32 Channel Auto Searching

Wireless FPV Monitor with Dual

Receiver LCD Monitor

User Manual

Product description :

Wireless FPV monitor with dual receiver LCD monitor is a new multi-function product; adopts advanced integrated circuits and high-quality new HD LCD monitor. It integrates a high-sensitivity 32channel and dual 5.8GHZ AV wireless receivers. It is with Aerial receiver, high-definition monitor, easy to operate, which can be used for FPV ground station, security monitoring, baby monitors, photography viewfinder, construction site video surveillance, advertising and other venues.

⚠️ **To insure best use of the unit, please read the user's manual carefully.**

CAUTION

1. Do not use any damaged or leaking battery and please replace the battery immediately if it's working life becomes short significantly.

2. Do not expose this product to direct sunlight, heat or humid conditions.

3. Keep away from strong light while using this product so as to obtain the clearest and the most colorful picture. Please use sun shade for the outdoor necessary.

4. Please avoid heavy impact or drop on the ground.

5. Do not use chemical solutions to clean this unit. Please simply wipe with a clean soft cloth to keep the brightness of the surface.

6. Without adjustable component in the unit, please do not take apart or repair the unit by yourself, to avoid damage the product.

Product Feature

●Dual antenna receiver, high-sensitivity, strong anti-interference

●5.8G wireless receiver, a monitor for the integration of
multi-functional combination machine, compact, suitable for a
variety of purposes

● **-90dbm** high-sensitivity,5.8G wireless receiver,32 Channel Auto
Scan, effectively avoid signal interference

●Channel auto scan and channel choice of menu buttons function,
improve the accuracy and convenience of channel choice

●Aerial video receives no blue screen

●High brightness, Contrast, Anti-glare screen with a sun shade,
Sun clearly visible

●With **VIDEO**、**AUDIO**、**HDMI**、**DVI**、**VGA** input, suitable for a
Variety of sources

●Color Control Systems support, enter the menu to manually
select the appropriate format, and adaptable

●Headphone monitors playback audio effects

CONTENTS

1. Product description

1.1 Front view:

1. Power Indicator

2. ⏻：ON/OFF Key

3. >/CH/Q：**Multi button.**

● In **VIDEO/HDMI/DVI/VGA** input state, Volume up button.

● In **RF** state，long press this button for about 3 seconds to enter the channel auto scan. Press this button for Manual channel setting, to set channel 1~8CH

● In OSD, to select or set adjustment items and the increase adjustment of value button.

4. **</BAND** ： Multi button

● In **VIDEO/HDMI/DVI/VGA** input state，volume down

button.

● In **RF** state, Press **>/CH/Q** button to enter the manual

channel，to set BAND A/B/E/F transformation.

● In **OSD**, to select or set adjustment items

and the decrease adjustment of value button.

5. **▤** ：**Menu Button**

6. **⤺/MODE** ： Input signal selection or exit the menu.

1.2 Rear View:
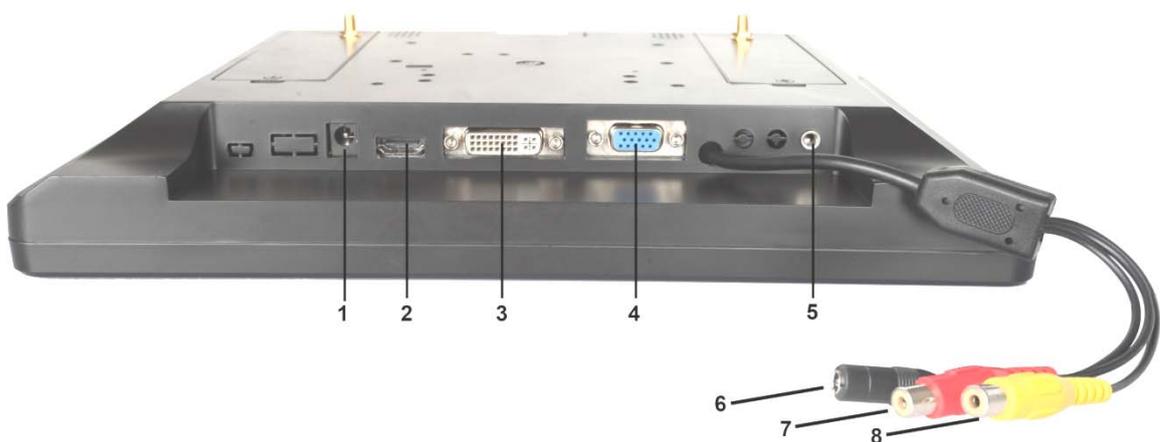
1. **⊙** **:** Power input jack, When clients use

their own power supply, please make sure that the

supply current shall not be less than 1.2 A and

voltage range in 6 ~ 24 v qualified dc power supply.

2. HDMI IN:HD HDMI signal input jack

3. DVI IN: Digital video signal input jack

4. **VGA IN:**VGA signal input jack

5. 🎧 ：Stereo headphone output jack

6. Black DC jack, DC input

7.Red RCA jack：Analog audio signal input

8. Yellow RCA Jack: VIDEO signal input

2.Wireless transmits receiver operation

Take the form a complete set of the antenna assemble on the unit's antenna input ports, the assembly should be secured, locked on the buckle.

2.1 Frequency band selection:

Wireless transmitter channel and receiver channel must be strictly consistent; otherwise it will not receive a transmitter signal.

This unit can auto searching for 32 receiver channels, also can accept simultaneously multi transmitters and receivers together work, to avoid co-channel interference

Wireless 5.8GHz Diversity Receiver								
BAND	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
A	5865	5845	5825	5805	5785	5765	5745	5725
B	5733	5752	5771	5790	5809	5828	5847	5866
E	5705	5685	5665	5645	5885	5905	5925	5945
F	5740	5760	5780	5800	5820	5840	5860	5880

⚠ **Note! Channels must be supporting the transmitter**

2.2 Auto Searching:

●Confirm that the transmitter has entered a normal working condition.

● Press "⏻" to turn on the monitor, press "↩/MODE" to select "**RF**" signal.

●Long pressing "⟩/CH/Q", "**Auto Searching**" will display on the top left corner of the screen,means the machine start to auto scan. When the screen on the upper left corner shows the"**BAND:X CH:X**", image displaymeans finished searching. Now it can receive the signal.

2.3 Manual channel scan and setting:

●Confirm that the transmitter has entered a normal working

condition.

● Press "⏻" to turn on the monitor, press "↩/MODE" to select

"RF" signal.

●Press ">/CH/Q"button， "**BAND:X CH:X**" will display on the top

left corner of the screen; press"</BAND "button to switch

BAND A/B/E/F channels, and then press ">/CH/Q" button to

select 1~8 channels. If the transmitter has worked, receiver

and transmitter frequency in agreement, the receiver will

receive the signal sent from the transmitter and displayed on

the monitor

Note: The effect of receiving the distance has a great

relationship with the reception power of the transmitter and

the receiver venues. If the reception is poor, the antenna can

be replaced with three leaves, four leaf antenna or panel

antenna. Replace the antenna should pay attention to the

antenna and receiving the same frequency.

3. Operation instructions

3.1 Button instructions:
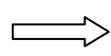
⏻ ⟹ ON/OFF Key
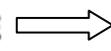
↩/MODE ⟹ Input signal switch button, in OSD for exit button.
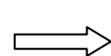
▤ ⟹ Menu key, under a signal input mode, pressing this button to pop up the menu, and the current menu and sub-menu item to confirm the adjustment
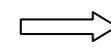
>/CH/Q ⟹ **Multi button, In different input state, it has different functions:**

In RF state

Auto Searching: Long press this button for (≥3 seconds)to enter the channel scan.

Manual adjustment : directly press this button to set 1～8CH.

In VIDEO/HDMI/DVI/VGA state

No menu is displayed, press this button to increase the volume.

In OSD

Enter the menu operation, press ▤ button to confirm and enter sub-menu, then press this button to select or set adjustment items.

Enter the adjustment items, it is used to set and increase the adjustment of value button.
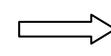
</BAND ⟹ **Multi button, In different input state, it has different functions:**

In RF State

Manual adjustment to set BAND:A/B/E/F.

Volume adjustment in RF state，need to press this button to confirm. When screen appears the volume adjustment, press this button to decrease the volume, press >/CH/Q button to increase the volume.

In VIDEO/HDMI/DVI/VGA state

No menu is displayed，directly press this button to decrease the volume.

In OSD

Enter the menu operation, press ▤ button to confirm and enter sub-menu, then press this button to select or set adjustment items.

Enter the adjustment items, it is used to set

And decrease the adjustment of value button.

3.2 OSD Operation Instruction

●In PC（VGA）State

◖Color :
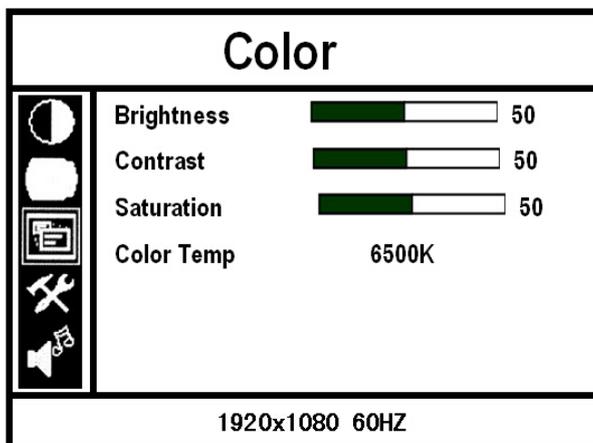
※ **Brightness:** To adjust the Image brightness.

※ **Contrast:** To adjust the brightest and darkest ratio of
the image, please note the sense of picture when
adjust, proportion too large or small, will make the
picture lose the color of showy

※ **Saturation:** To adjust color saturation.

※ **Color Temp:** OSD IN PC mode, the image's Color
Temp could be chosen and adjusted. When select
"User", It could be chosen R、G、B to adjust the
corresponding analog value, to meet the different user's
requirement on the color of the image.

Adjust :

Adjust

Auto Config		
H Position	▓▓▓▓	50
V Position	▓▓▓▓	50
Phase	▓▓▓▓	50
Clock	▓▓▓▓	50

1920x1080 60HZ
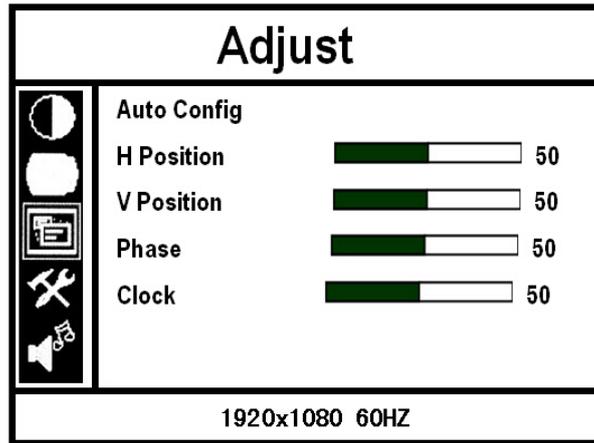
※**Auto Config:** To adjust automatically. If the auto-adjust

does not satisfy your request, you can adjust

manually.

※**H Position:** To adjust the picture in horizontal.

※**V Position:** To adjust the picture in vertical.

※**Phase:** To adjust the phase.

※**Clock:** To adjust the clock, make field and line

synchronization

OSD:
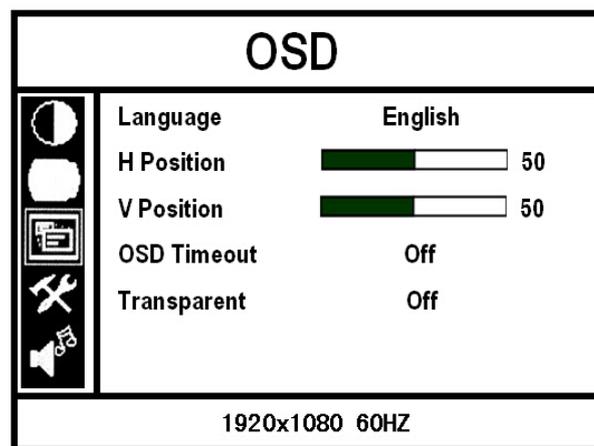
OSD

Language	English	
H Position	▓▓▓	50
V Position	▓▓▓	50
OSD Timeout	Off	
Transparent	Off	

1920x1080 60HZ

※ **Language:** To choose OSD language, check below:

English、简体中文、**Français**、**Italiano**、**Deutsch**

Español、日本語、조선의、**Pycc**、**Portugues**

※ **H Position:** To adjust the OSD position in horizontal

※ **V Position:** To adjust the OSD position in vertical

※ **OSD Timeout:** To adjust the clock

※ **Transparent:** To adjust the level of transparent

Function:
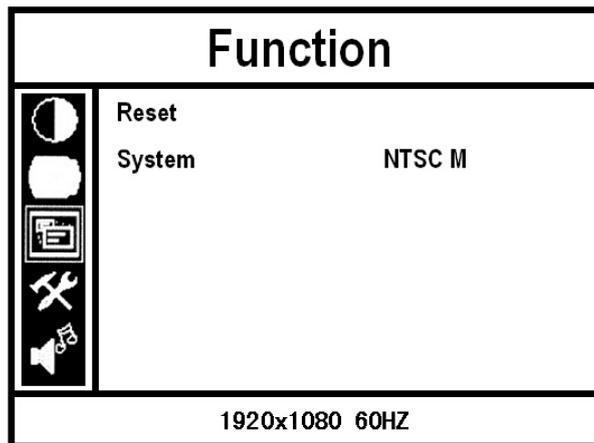
※**Reset:** Back to original setting

※**System:** No use in PC state

Sound:
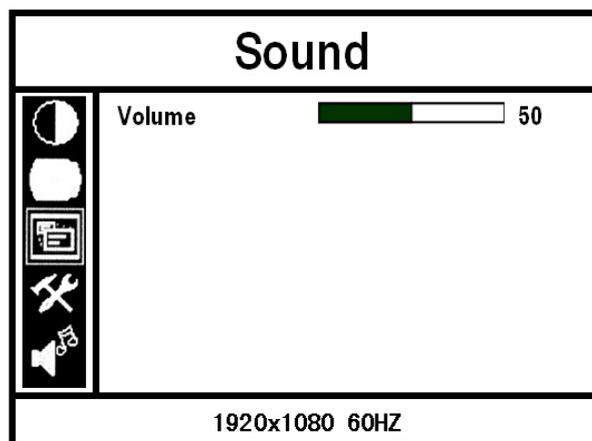
※ **Volume:** To adjust the volume.

●In HDMI/DVI/VIDEO State

Color (In HDMI/DVI/VIDEO state, color menu is different）

In HDMI State
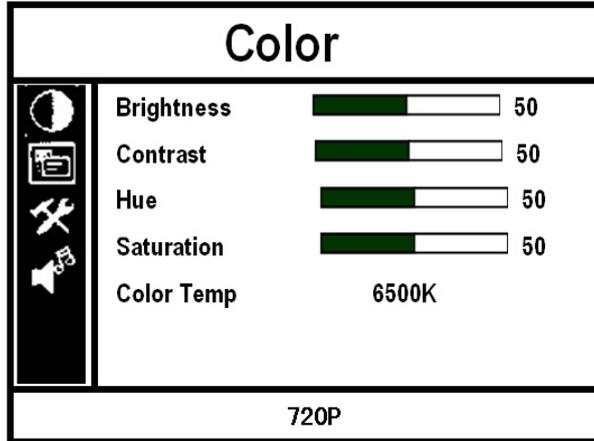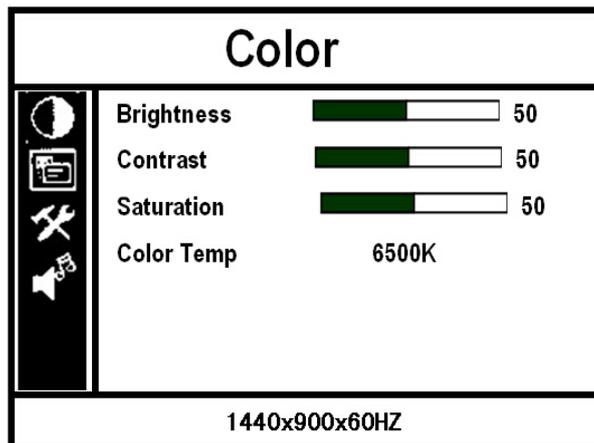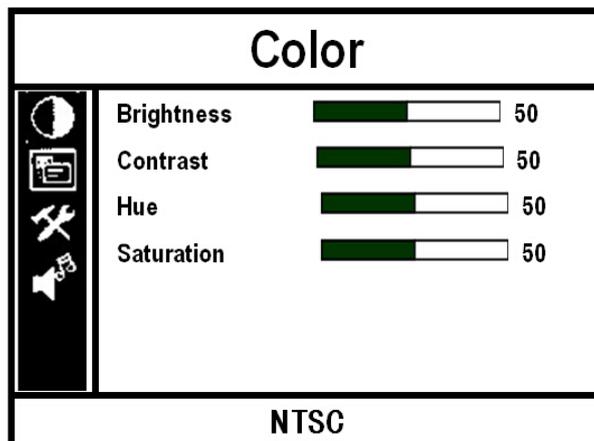
```
                    Color
    ┌────────┬─────────────────────────────┐
    │  ◐     │ Brightness   [████    ]  50  │
    │  📋    │ Contrast     [████    ]  50  │
    │  ✖     │ Hue          [████    ]  50  │
    │  🔊    │ Saturation   [████    ]  50  │
    │        │ Color Temp        6500K      │
    │        │                              │
    ├────────┴─────────────────────────────┤
    │               720P                    │
    └───────────────────────────────────────┘
```

In DVI State

```
                    Color
    ┌────────┬─────────────────────────────┐
    │  ◐     │ Brightness   [████    ]  50  │
    │  📋    │ Contrast     [████    ]  50  │
    │  ✖     │ Saturation   [████    ]  50  │
    │  🔊    │ Color Temp        6500K      │
    │        │                              │
    │        │                              │
    ├────────┴─────────────────────────────┤
    │           1440x900x60HZ               │
    └───────────────────────────────────────┘
```

In VIDEO State

```
                    Color
    ┌────────┬─────────────────────────────┐
    │  ◐     │ Brightness   [████    ]  50  │
    │  📋    │ Contrast     [████    ]  50  │
    │  ✖     │ Hue          [████    ]  50  │
    │  🔊    │ Saturation   [████    ]  50  │
    │        │                              │
    │        │                              │
    ├────────┴─────────────────────────────┤
    │               NTSC                    │
    └───────────────────────────────────────┘
```

※ **Brightness:** To adjust the image brightness.

13

※ **Contrast:** To adjust the brightest and darkest ratio of the image, please note the sense of picture when adjust, proportion too large or small, will make the picture lose the color of showy.

※ **Saturation:** To adjust color saturation.

※ **Hue:** To adjust the hue in NTSC mode or in HDMI or VIDEO Mode.

※**Color Temp：** OSD IN HDMI/DVI mode, the image's color Temp could be chosen and adjusted. When select "User", It could be chosen R、G、B to adjust the corresponding analog value, to meet the different user's requirement on the color of the image.

OSD :

```
┌─────────────────────────────────────┐
│                OSD                  │
├─────────────────────────────────────┤
│  ◐   Language        English        │
│  ▤   H Position    ▰▰▰▰▱▱▱  50       │
│      V Position    ▰▰▰▰▱▱▱  50       │
│  ⚒   OSD Timeout      Off           │
│  🔊  Transparent      Off           │
│                                     │
├─────────────────────────────────────┤
│                NTSC                 │
└─────────────────────────────────────┘
```

※ **Language:** To choose OSD language, check below:

English、简体中文、**Français**、**Italiano**、**Deutsch**

Español、日本語、 조선의、**Pycc**、 **Portugues**

※ **H Position:** To adjust the OSD position in horizontal.

※ **V Position:** To adjust the OSD position in vertical.

※ **OSD Timeout:** To adjust the clock.

※**Transparent:** To adjust the level of transparent.

Function:

```
┌─────────────────────────────────┐
│           Function              │
├───┬─────────────────────────────┤
│ ◑ │ Reset                       │
│ ▣ │ System            NTSC M     │
│ ✗ │                             │
│ ◄♫│                             │
│   │                             │
├───┴─────────────────────────────┤
│             NTSC                │
└─────────────────────────────────┘
```
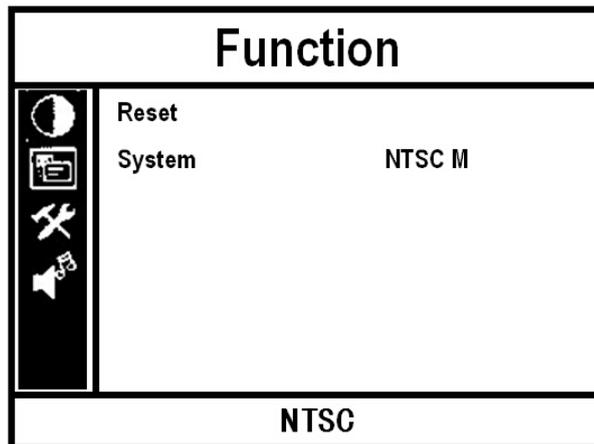
※ **Reset:** Back to original setting。

※ **System:** In VIDEO State to choose the color video

Formats; In HDMI/DVI State, the function is useless.

Sound:

```
┌─────────────────────────────────┐
│            Sound                │
├───┬─────────────────────────────┤
│ ◑ │ Volume      ▮▮▮▮▭▭▭ 50       │
│ ▣ │                             │
│ ✗ │                             │
│ ◄♫│                             │
│   │                             │
├───┴─────────────────────────────┤
│             NTSC                │
└─────────────────────────────────┘
```
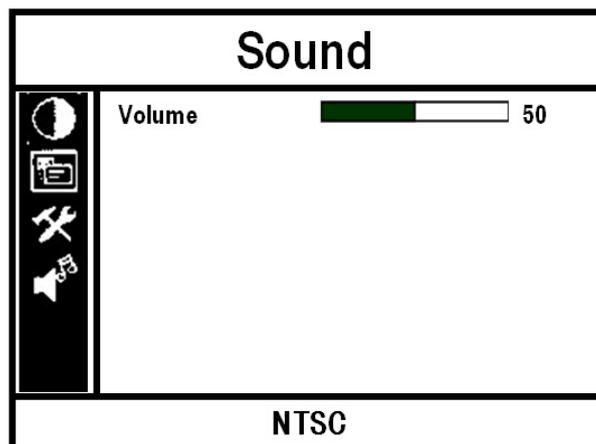
※**Volume:** To adjust the volume.

4. Parameters:

Panel Size	TFT LCD 12.1 inch
Panel Type	TFT　LCD
Resolution	800×600×RGB ＝1440000 Pixels
Backlight	LED
Dot Pitch	0.307575(H) x 0.3075(V)
Display Ratio	4:3
Brightness	330cd/㎡
Contrast	900:1
Response Time	30ms
Viewing Angle	70°/70°(L/R)　50°/70°(U/D)
Signal Input	Video/ Audio/ RF/ HDMI/DVI/VGA
Color System	PAL　NTSC　SECAM
HDMI Support Format	480i /480p /576i /576p 720p /1080i /1080p (50/60Hz)
Headphone output	stereo 3.5mm
Input　Voltage	DC：6 ～24V
Power Consumption	≦12W
RF receiving frequency	5.8 G broadband FM audio and video synchronization receiving (other frequencies optional) 32 channel auto searching (Automatic channel search)
RF wireless receiving	Typical value -90dBm
Frequency stability	±100ppm
Unit Size	300(L)x245(H)x45.3(D)mm
Unit Weight	1280g（not including the antenna）
Install Way	VESA 100*100mm
Working Temperature	－20～50℃
Storage Temperature	－30～65℃

5. Trouble shooting

5.1 Only black-and-white image：

① Make the level of color Saturation, Brightness and Contrast is proper.

②Enter the menu item "Function", check whether the color system is consistent with the input video color system, can choose other system to check.

5.2 Power on but no picture

① Make sure the signal output connect to the signal input of the monitor are in good condition, press "↩/MODE"button to check. If in **"RF"** channel, Please check to see if the transmitter has been working.

② Make sure you are using the standard power adapter to connect the monitor.

5.3 Images are not synchronized.

① RF Signal is too weak.

② Enter the menu item "Function", check whether the color system is consistent with the input video color system, can choose other system to check.

5.4 No Sound

① Volume control did not open, press the volume button "〉/CH/Q", try increasing the volume.

② Check if the audio input is normal or not. In **RF** receiving, please check if the transmitting terminal has a Audio signal emission.

5.5 Open the RF, no signal detected

① Transmitter is working properly or not.

② If transmitter frequency matches with the receiver frequency band

③ If customer change the receiving antenna, please note that must be matched with the transmitter, otherwise may cause receiving sensitivity is low, even can't receive signals.

④ Channel research or Manually set the channel.

■ Remark:

★If there are still any problems, you can connect with the related deals

★As we constantly strive to improve product features and product performance, if there is any change to Operation Manuel, without prior notice