Instruction Manual

CRV 7044 AIR

2,4G Digital Wireless Set with

7" LCD color monitor

Contents

1. Precautions

● Storage and Keeping

    1. Do not expose the monitor to excessive heat or cold. The storage temperature of this device is -30~+80℃and the operating temperature is -20~+70 ℃ The humidity is Rh90%.

    2. 4. Avoid dropping or striking this device.

    3. Avoid using this device in enclosed spaces, areas with excessive vibration or subject to severe impacts.

    4. Never puncture, scratch or use abrasive cleaning materials on this device.

    5. Do not place cables where they may be pinched or stepped on.

● 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 monitor. Remove the power cable connections when you do not intend to use the device.

⚠ **Warning!**

1. High voltage is present within the monitor. The opening of the case should be by professionals.

2. Do not watch the video while driving unless you are monitoring the rear view camera display.

⚠ **Special Notice**

Occasionally, a few highlights or dark spots may occur on the LCD screen. This is a very common phenomenon in active matrix display technology, and doesn't necessarily indicate any defects or faults. Never try to repair this device by yourself. In case of any problems, please turn off the display at once and notify our company or authorized dealer. The monitor is a complex device. Any disassembly or modification may lead to damage and void the warrantee.

⚡ **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 not to waste electrical and electronic equipment.

● Declaration of conformity

FCC

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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

CE

2. Features

1. TFT LCD monitor with wide angle view and high resolution display.

2. NORMAL, MIRROR, FLIP and MIR-FLIP viewing available.

3. Split mode, auto-scan mode and single-display mode available.

4. Auto pairing: Auto pairing happens when camera is activated.

5. Auto dim function available.

6. 4 wireless camera input.

7. Multiple video formats: PAL / NTSC.

8. Wide voltage input: 10 - 32V.

9. On-board speaker.

10. Auto switch to the working channel when trigger is activated

3. Technical Specifications

LCD size	7"
Resolution	800 x 3 (RGB) x 480
Contrast	500:1
Brightness	400 cd/m²
Viewing Angle	U: 50 / D: 70, R/L: 70
Dot pitch	0.0642(W) x 0.1790(H)
Aspect Ratio	16:9
Channel	4 channels
Operating Frequency	2400 - 2483.5 MHz
Receiving Sensitivity	-89 dBm
Decompression Form	MPEG4
Emitting Frequency	17 dBm
Modulation	2.4G FSK/GFSK
Time Delay	120ms
Transmitting Distance	120 M
System Format	PAL / NTSC
Power Supply	DC 10-32V
Power Consumption	Max. 6W
Loudspeaker	1.5W/8Ω
Operating temperature	-20~+70ºC,RH90%
Storage temperature	-30~+80ºC,RH90%

4. Accessories

	Center Mount Bracket
	Sun Shield
	Power cable

5. Parts Identification

Digital Color LCD screen

Power indicator

Menu

Light level sensor

Loudspeaker

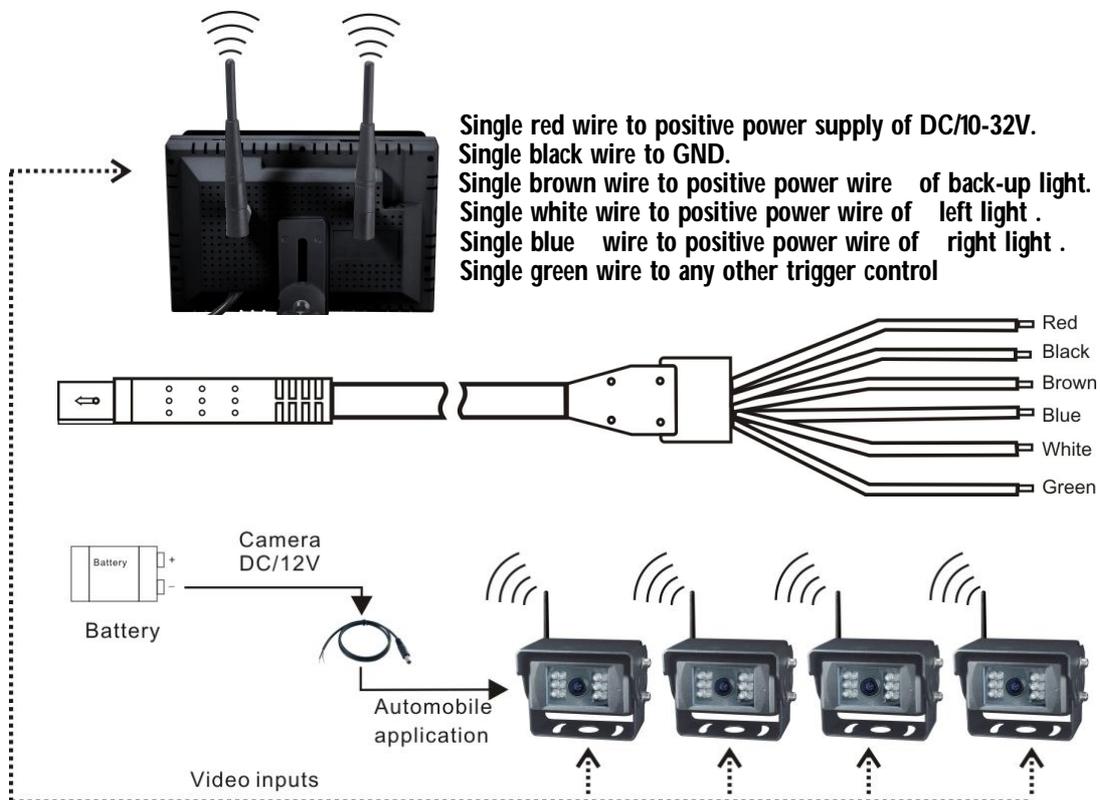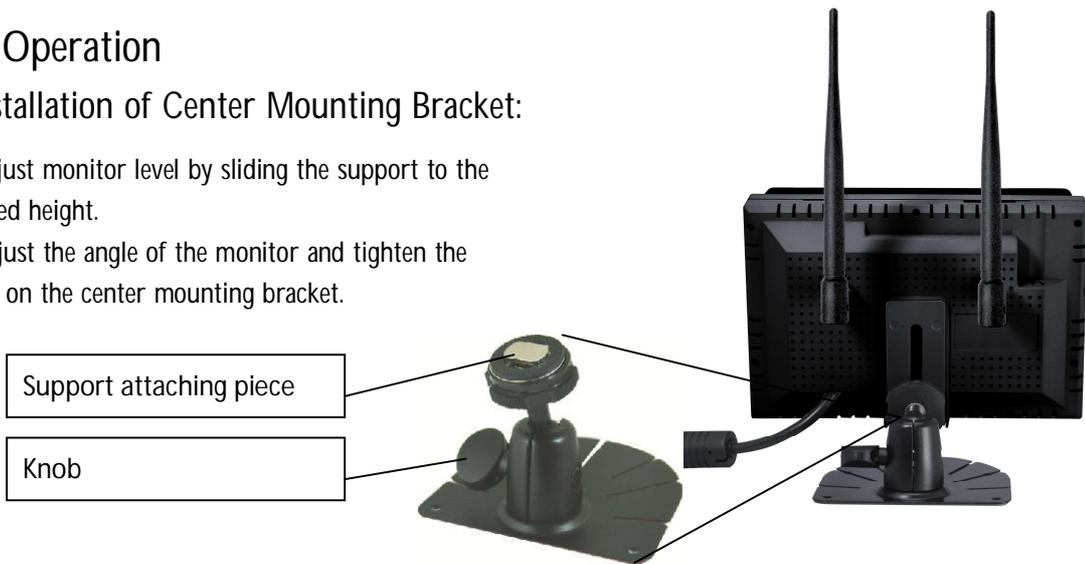Select channels

Power switch

Volume decrease

Volume increase

OK confirm

6. Basic Operation

7.1 Installation of Center Mounting Bracket:

□Adjust monitor level by sliding the support to the desired height.

□Adjust the angle of the monitor and tighten the knob on the center mounting bracket.

Support attaching piece

Knob

Single red wire to positive power supply of DC/10-32V.
Single black wire to GND.
Single brown wire to positive power wire of back-up light.
Single white wire to positive power wire of left light .
Single blue wire to positive power wire of right light .
Single green wire to any other trigger control

Red
Black
Brown
Blue
White
Green

Camera
DC/12V

Battery

Automobile
application

Video inputs

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7.3.Reversing Display:

7.3.1. When the white wire is connected to the positive wire of the left turn
light , the monitor automatically switches to Left(left side camera)
when the left turn indicator is activated.

7.3.2. When the blue wire is connected to the positive wire of the right turn
light,   the monitor   automatically switches to   Right (right side camera)
when the right turn indicator is activated.

7.3.3. When the brown wire is connected to the positive wire of   back-up light,
the monitor   automatically switches to   Back (back-up camera) when
the back-up light is turned on. The distancing grid will also be displayed.

7.3.4.When the green wire is activated, the monitor automatically
switches to Front.

```
Ⓨ⋕ıll  Left




Ⓨ⋕ıll  Right




Ⓨ⋕ıll  Back
      ┌─────────┐
      ┣        ┫
      ┣        ┫
      ┣        ┫
      └─────────┘

Ⓨ⋕ıll  Front
```
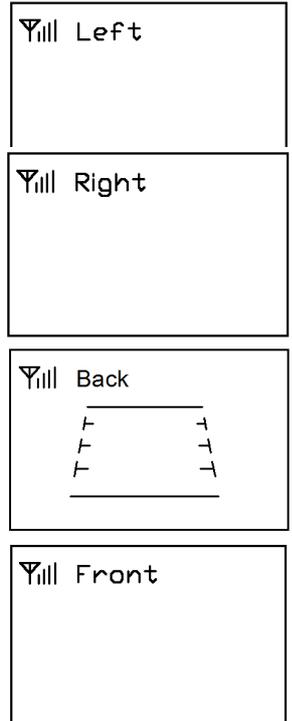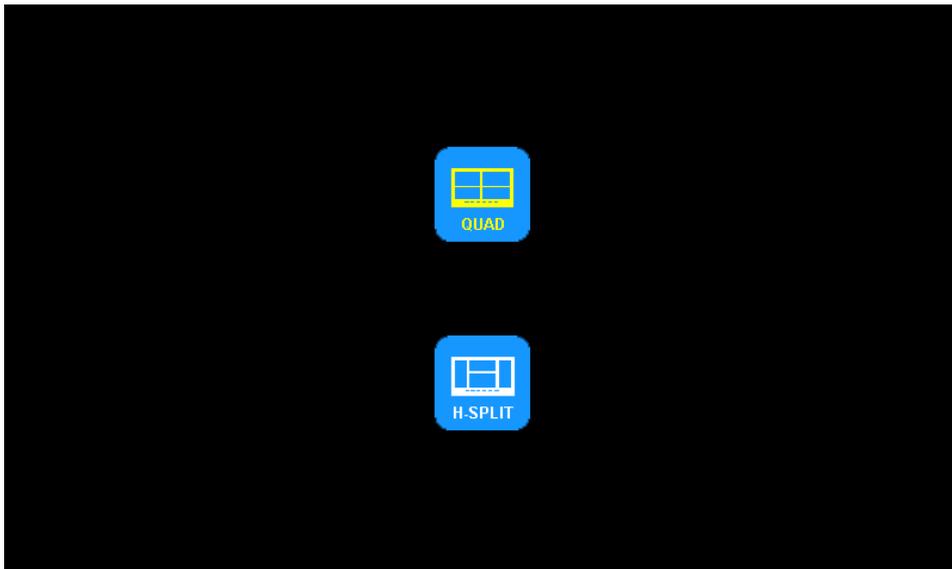
7. Menu

● Press MENU to display the following options and settings:
1.   MODE
2.   PICTURE
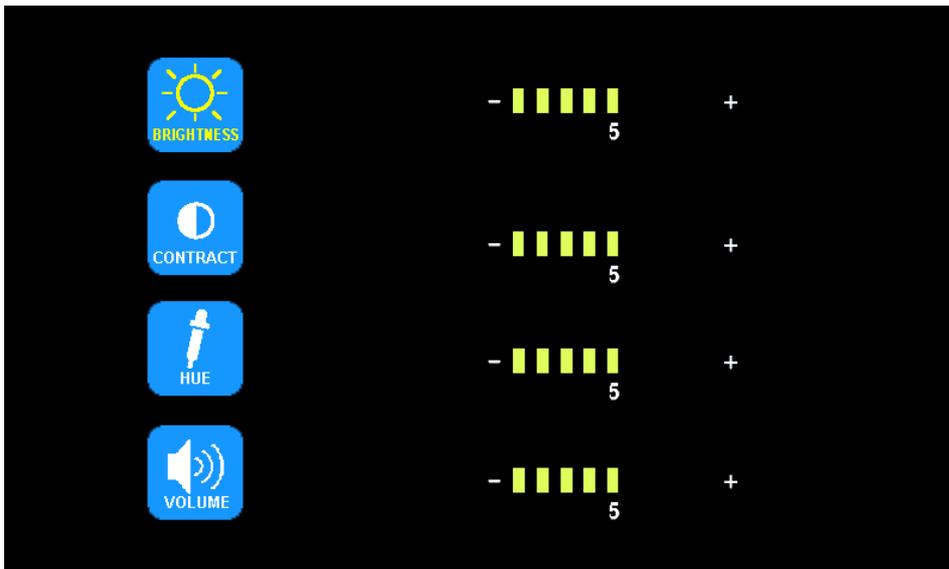3.   MIR-FLIP
4.   AUTOSCAN
5.   SYSTEM
6.   PAIRING
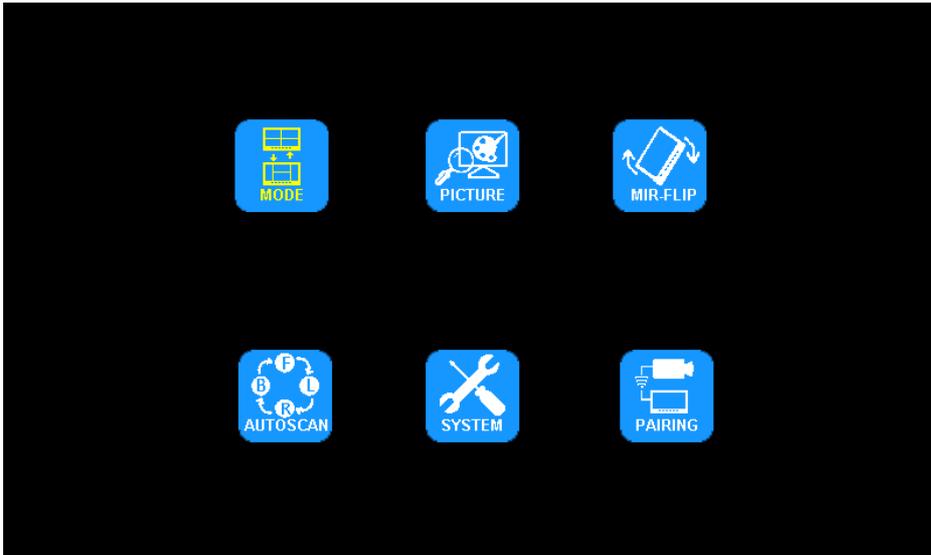
(1)　Press　◁ or　▷ to select MODE. Press OK to enter the submenu, and press　　　 or　　 to select ▷
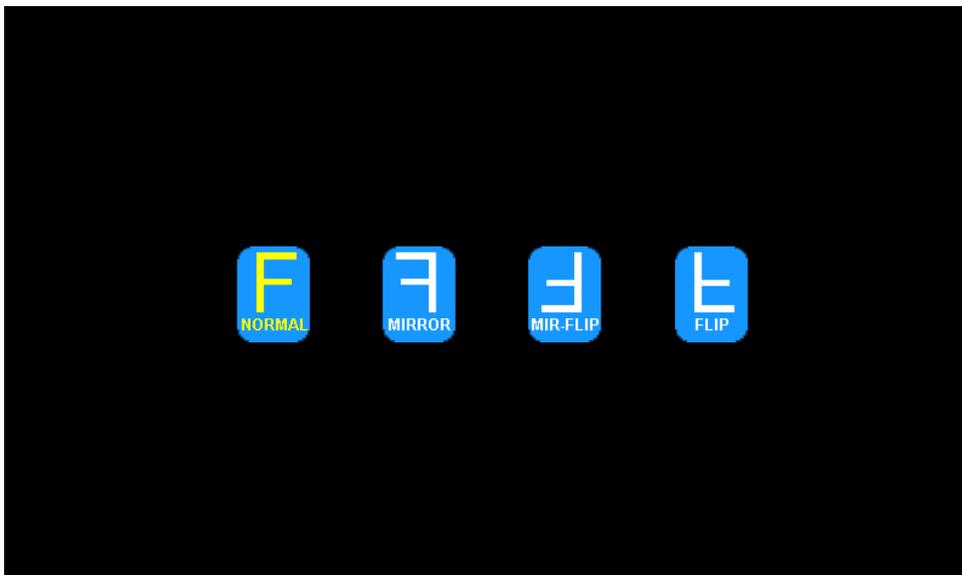QUAD/H-SPLIT, Press MENU return to main menu

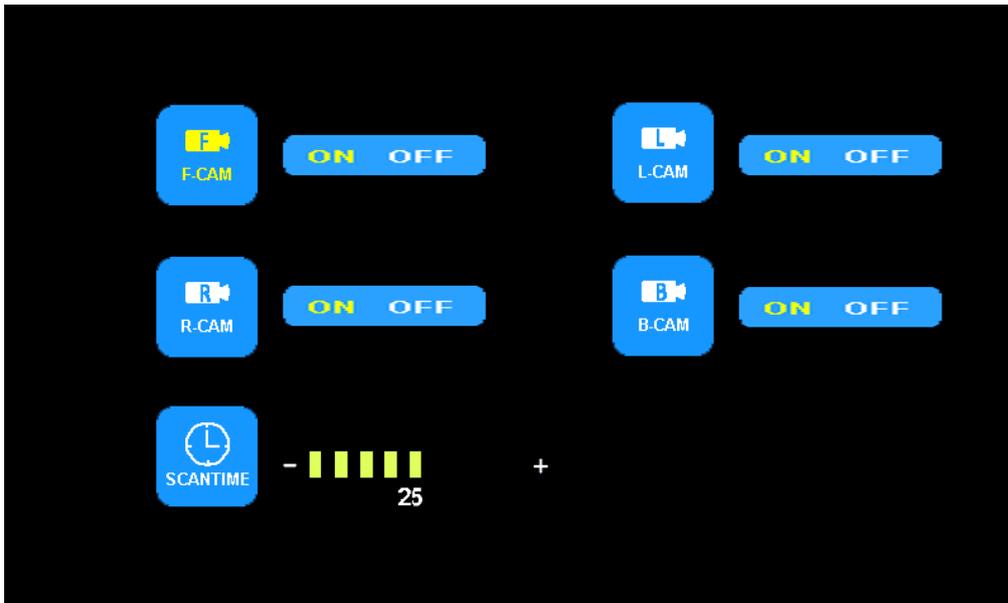(2) Press　◁ or　▷ to select PICTURE, and press OK to enter the submenu.

- Press ◁ or ▷ select BRIGHTNESS / CONTRACT / HUE / VOLUME, and then press OK to enter the setting accordingly. When the icons turn red, press or on menu for selection ▷ decreasing or adding. Press OK to exit the menu.   At the submenu, press MENU return to main menu.

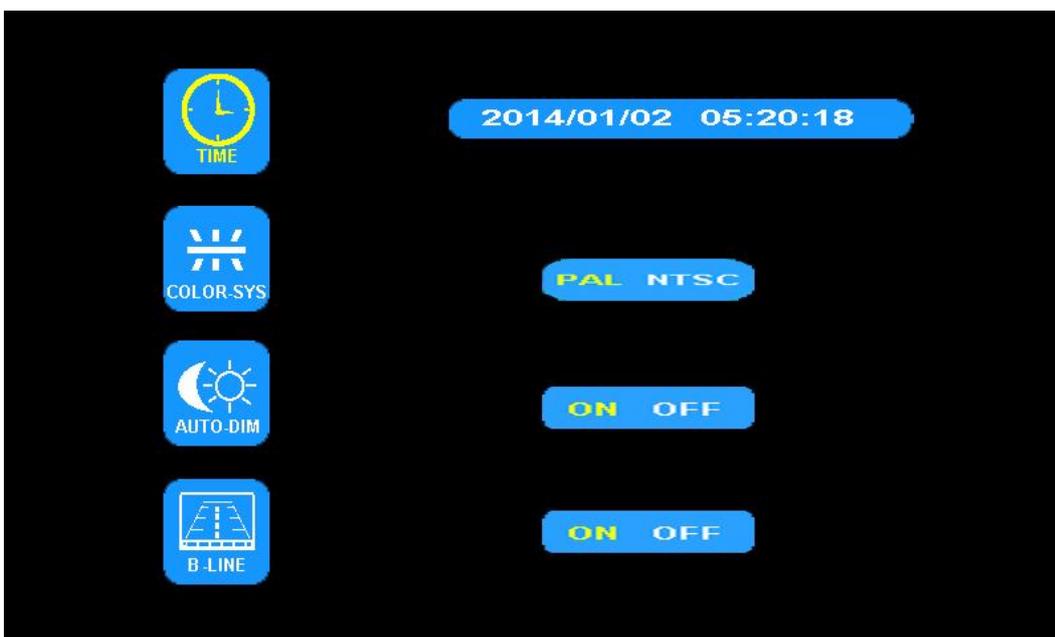(3) Press ◁ or ▷ to select MIR-FLIP, and press OK to select.

- Press ◁ or ▷ to select NORMAL / MIRROR / MIR-FLIP / FLIP. Press MENU return to main menu

(4) Press ◁ or ▷ to select   AUTOSCAN, Press   OK   to enter .

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- Press ◁ ▷ select F-CAM/L-CAM/R-CAM/B-CAM/SCANTIME, and then press OK to enter the setting accordingly. When the icons turn red, press ◁ or ▷ on menu for selection decreasing or adding. Press OK to exit the menu. At the submenu, press MENU return to main menu.

- If the channel is turned OFF, image of the corresponding camera will not be shown in AUTOSCAN display mode.

- Setting scale of SCANTIME is 5-45S, with the step time of 5s.

(5) Press ◁ or ▷ to select SYSTEM, Press OK to enter .

- TIME：Press ◁ ▷ select TIME, Press OK to set. Press ◁ or ▷ or selection decreasing or adding. Press OK to continue the setting when finishing the previous operation.

- COLOR-SYS: Press ◁ or ▷ to select COLOR-SYS, Press OK to enter, Press ◁ or ▷ to select NTSC/PAL.

- AUTO-DIM: Press ◁ or ▷ to select AUTO-DIM. Press OK to enter, and then press ◁ or ▷ to select ON/OFF. When it is on, the monitor will automatically turn darker when it is placed in dark environment for 5s.

- ELETRONIC DISTANCE LABEL: Press ◁ or ▷ select ELETRONIC DISTANCE LABEL. Press OK to enter, and press ◁ or ▷ to select ON/OFF, to open or close the electronic distance label. When it is on, the electronic distance label will be displayed in Back channel.

(6) Press ◁ or ▷ to select PAIRING, Press OK to enter .

please press pair key
on camera side
20
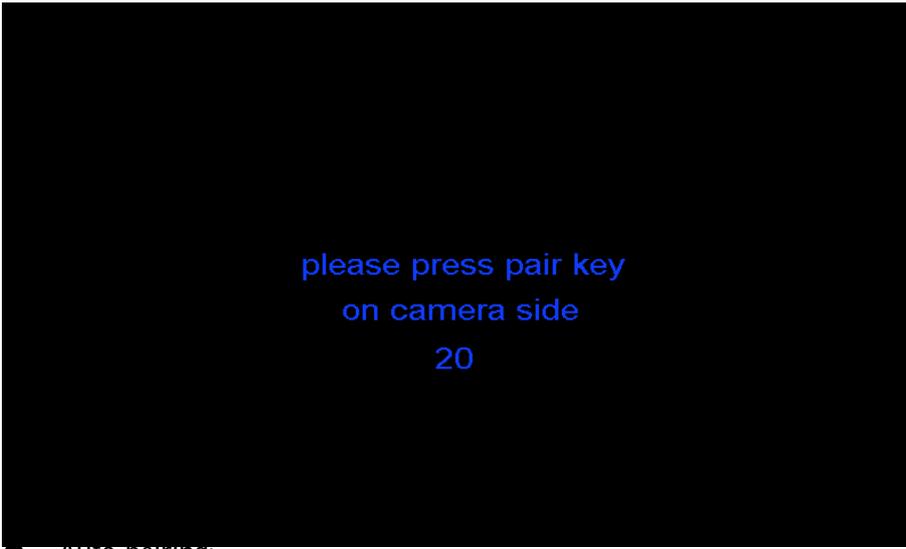
- Auto pairing:

  1. Choose the channel that needs to be set up, and the monitor display the message "please press pair key on camera side 20″ and a counter that counts down 20s.
  2. Within the countdown, power the camera.
  3. The monitor and cameras will synchronize themselves with each other after the camera is powered for 5s.
     For successful auto pairing, the picture appears. If pairing is unsuccessful, the monitor displays the message "No Signal". Repeat the pairing procedure.

- Manually pairing:
  1. Choose the channel that needs to be set up, and the monitor display the message "please press pair key on camera side 20″ and a counter that counts down 20s.
  2. Press the pairing button on the power-on camera.
  3. The monitor and cameras will synchronize themselves with each other.
     For successful auto pairing, the picture appears. If pairing is unsuccessful, the monitor displays the message "No Signal". Repeat the pairing procedure.

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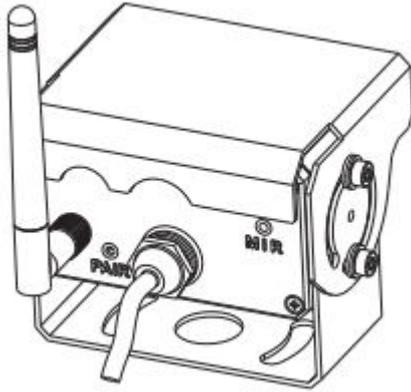
8. Troubleshooting

The symptoms described below do not necessarily mean a failure within the display.

Please check the following items before you initiate request for repair.

Symptoms	Possible Causes/Solutions
No picture, no sound	Improper connection of automobile adapter. Use of un-authorized power supply. Power switch is on OFF position.
No picture	Check whether AV cable is properly connected
No sound	Check whether audio wire is properly connected or the sound volume is turned off or set too low.
Dark picture	Check whether brightness and contrast are adjusted correctly.
No color	Adjust the color settings.