

Operating Instructions



2.4G 7 Inch Wireless Color LCD Monitor

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

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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°C, and the operating temperature is -20~+70 °C. The humidity is Rh90%.
2. Never use this device near a bathtub, wash basin, kitchen, damp basement, swimming pool or similar places.
3. Never use this device in environments with excessive moisture, dust or smoke.
4. Avoid dropping or striking this device.
5. Avoid using this device in enclosed spaces, areas with excessive vibration or subject to severe impacts.
6. Never puncture, scratch or use abrasive cleaning materials on this device.
7. Do not place cables where they may be pinched or stepped on.
8. Leave at least a 2" space between the monitor and walls, cabinets or other objects to allow adequate air circulation around the device.
9. The monitor is not designed to be waterproof.

● 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!

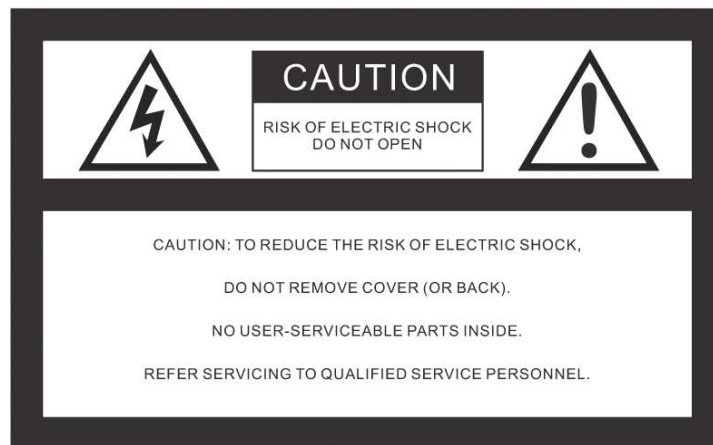
1. High voltage is present within the monitor. The opening of the case should be by professionals.
2. Do not watch the video while driving unless you are monitoring the rear view camera display.

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.

● Maintenance

1. Remove all the cable connections from the monitor before cleaning the device.
2. Use a mild household detergent and clean the unit with a slightly damp, soft cloth.
Never use strong solvents such as thinner or benzine, as they might damage the finish of the device.



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 warrantee and neccessitate expensive repairs.

● Declaration of conformity



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.



2. Features

1. TFT LCD monitor with wide angle view and high resolution display.
2. Picture image may be adjusted for Horizontal, Vertical, Mirror and Normal viewing.
3. Select from 11 languages for user operation.
4. Automatic back lighting for buttons.
5. Mirror and Normal switch available.
6. Selectable Automatic and Manual brightness control.
7. Full-function remote control.
8. Multiple video formats: PAL/AUTO/N443/N358.
9. 1 wired DVD input and 4 wireless cameras inputs.
10. Operates from 12 -32V. Supports 12V or 24V automobile battery.
11. Auto switch to back-up, left or right side camera view.
12. On-board speaker.

3. Technical Specifications

1. Product: 7" TFT- LCD Color monitor with built-in 2.4G wireless receiver.
2. Demodulation mode: FM
3. Frequency range: 2400~2483MHz
Group supported: 2414, 2432, 2450, 2468
4. Distance: 238m (barrier-free)
5. Reception capability: -80dB
6. Resolution: 480 x 3 (RGB) x 234
7. Contrast: 400:1
8. Brightness: 350cd/m².
9. Viewing angle: U: 45 / D: 65, R/L: 65
10. Dot pitch: 0.321 (H) × 0.370 (V)
11. Audio output: 1W
12. Loudspeaker: one 15x24mm round loudspeaker
13. Power supply: Automobile storage battery (12-32V)
14. Power consumption: about 8W
15. Outer dimension: 182mm (W) × 122mm (H) × 43mm (T)
16. Operating temperature: -20~+70°C, RH90%
17. Storage temperature: -30~+80°C, RH90%



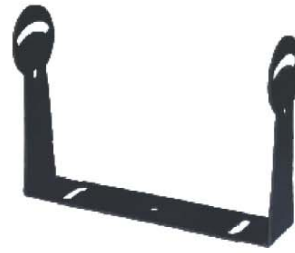
Special Notice

All specifications are subject to change without notice.

4. Accessories



Center mount bracket



U- Support bracket



Angle adjustment screws



Sun shield



Power cable



IR Remote control



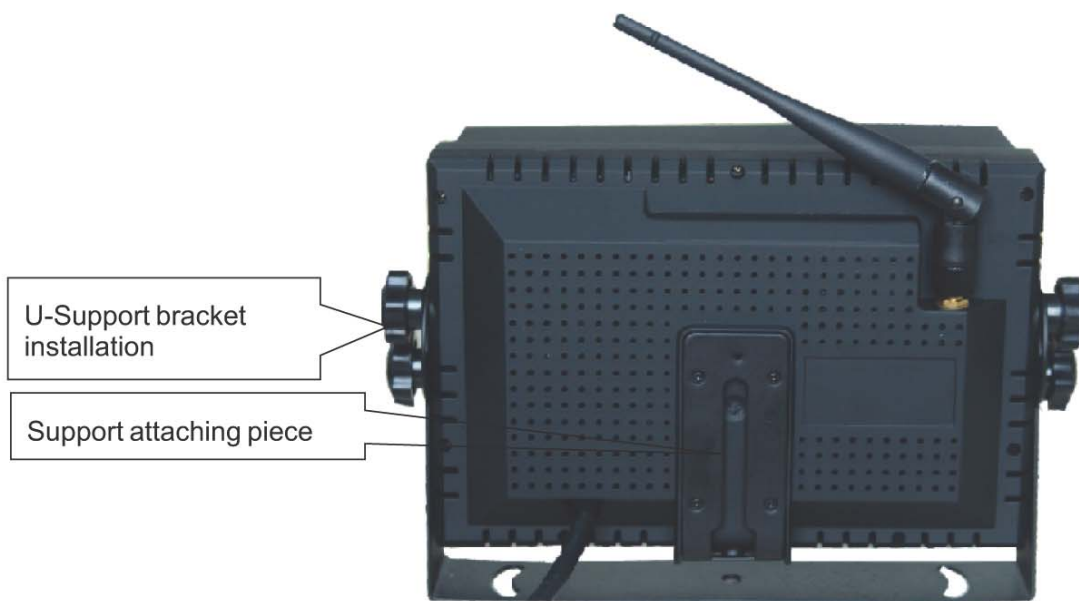
AV cable



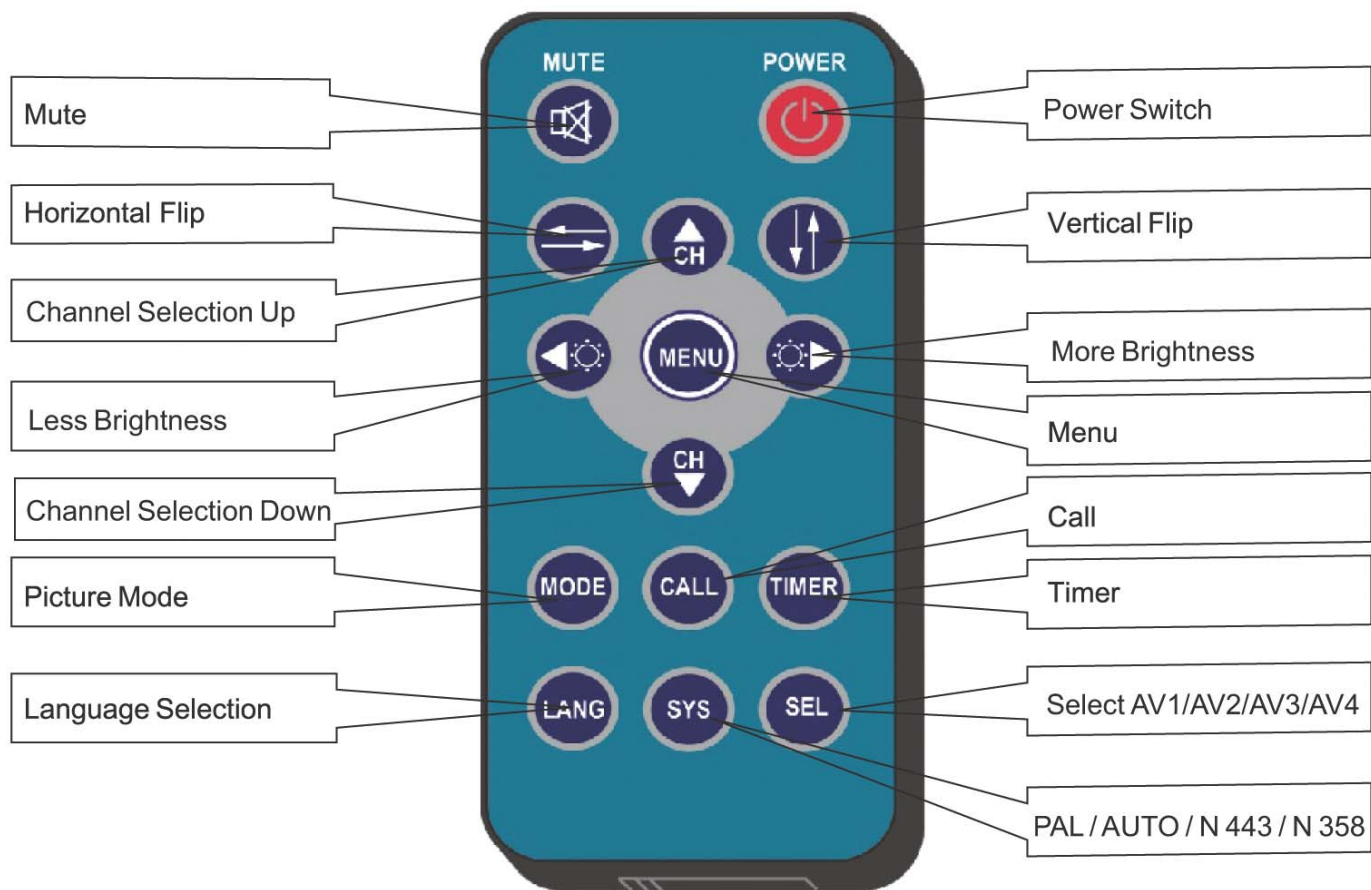
Special Notice

Accessory supply may be different for different application.

5. Parts Identification



6. Remote Control Operation



Notice

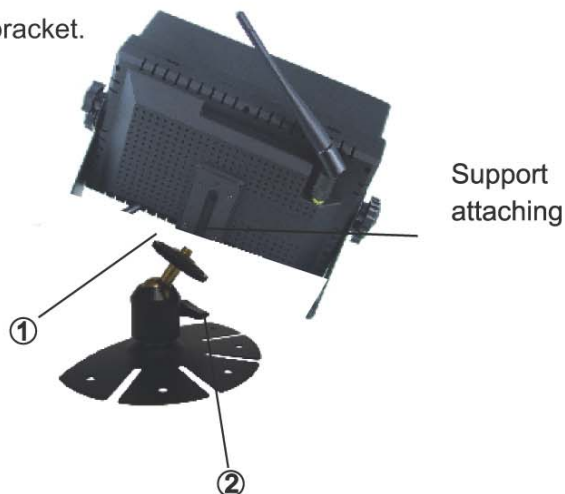
1. Please align the remote control with the infrared-receiving window on the monitor to operate.
2. Never disassemble the remote control or allow it to drop, or become wet.
3. Press the control buttons firmly. Allow 2 seconds for the picture to change.

- **MUTE (Mute):**
Press to select ENABLE/MUTE sound.
- **POWER(Power switch)**
Press to turn on/off the monitor .
- **↔(Horizontal Turning of Picture):**
Press to turn picture horizontally.
- **↕(Vertical Turning of Picture):**
Press to turn picture vertically.
- **CH+ (Channel Selection+):**
Press to select channel / item on menu.
- **CH- (Channel Selection-):**
Press to select channel / item on menu.
- **◀☉ :**
Press to decrease Brightness.
- **☉▶ :**
Press to increase Brightness.
- **MENU :**
Press to show menu.
- **MODE (Picture Mode):**
Press to select different picture modes(PERSONAL / STANDARD / SOFT / VIVID / LIGHT).
- **CALL (Call) :**
Press to close menu.
- **TIMER:**
Press to set the time to shut down monitor (15,30,45,60,75,90,105 and max 120 minutes).
- **LANG(Language Selection):**
Press to select language display of ENGLISH , JAPANESE , FRENCH, PORTUGUESE, SPANISH , RUSSIAN , TURKISH ,GERMAN , ITALIAN , BULGARIAN or ARABIC options .
- **SYS:**
Press to select PAL / AUTO / N 443 / N 358.
- **SEL:**
Press to select AV channels.

7. Basic Operation

1. Installation of Center Mounting Bracket:

- ① Loosen the knob ① on top of the center mounting bracket.
- ② Adjust monitor level by sliding the support to the desired height.
- ③ Adjust the angle of the monitor and tighten the knob ② on the center mounting bracket.



2. Installation of U-support Bracket

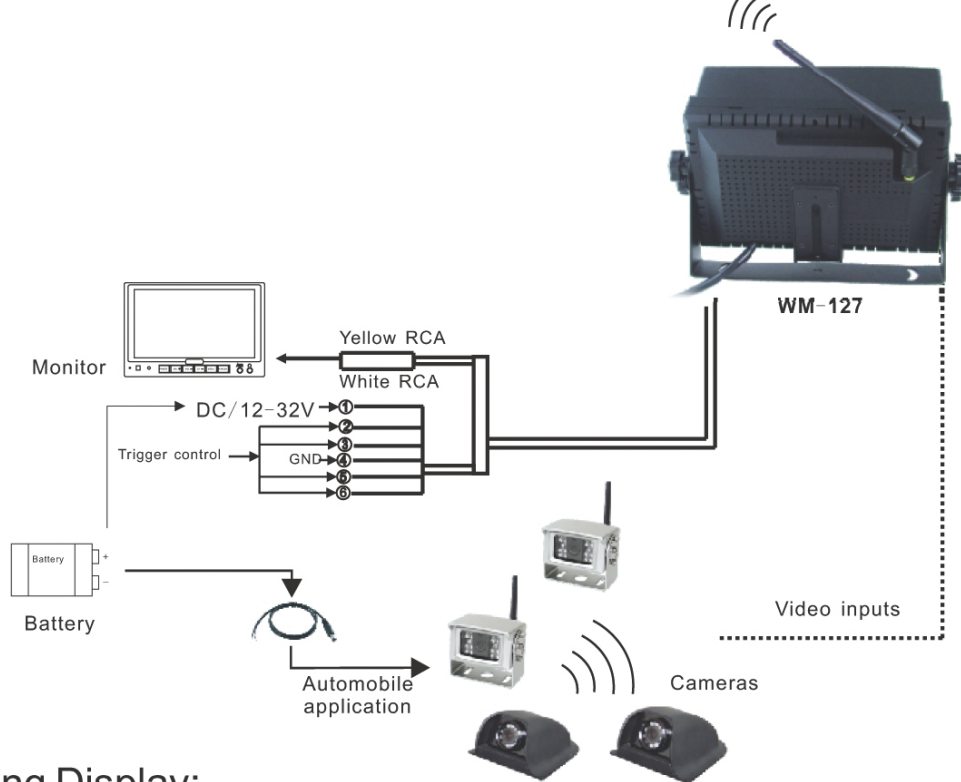


3. Connection of Power cable

Video 4 is automatically locked up when reversing, otherwise it is on.

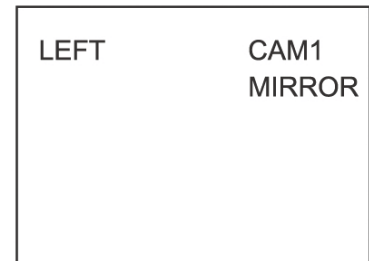
- ① Red wire for power wire of DC/12-32V
- ② White wire for positive power wire of left light.
- ③ Blue wire for positive power wire of right light.
- ④ Black wire for GND.
- ⑤ Brown wire for positive power wire of reversing light.
- ⑥ Green wire for any trigger control.
- ⑦ Yellow RCA for video output.
- ⑧ White RCA for Audio output.



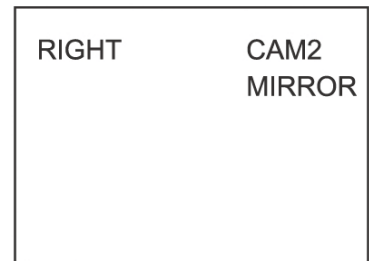


4. Reversing Display:

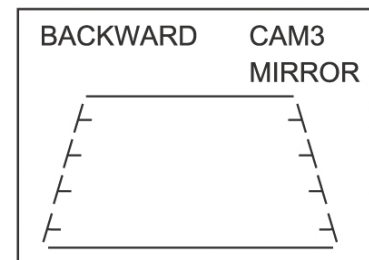
1. When the white wire is connected to the positive wire of the left turn light , the monitor automatically switches to CAM1 (left side camera) when the left turn indicator is activated.



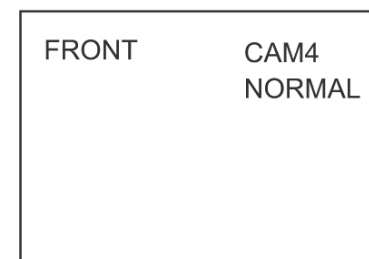
2. When the blue wire is connected to the positive wire of the right turn light, the monitor automatically switches to CAM 2 (right side camera) when the right turn indicator is activated.



3. When the brown wire is connected to the positive wire of back-up light, the monitor automatically switches to CAM 3 (back-up camera) when the back-up light is turned on. The distancing grid will also be displayed.



4. When the green wire is activated, the monitor automatically switches to CAM4



8. Menu

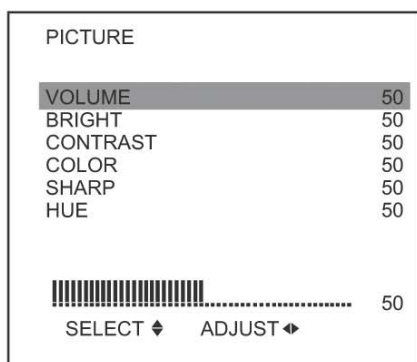
- Press MENU to display the following options and settings:

1. PICTURE
2. OPTION
3. SYSTEM
4. SET

(1) Picture

VOLUME, BRIGHTNESS, CONTRAST, COLOR, SHARP, HUE (NTSC Only) options will display on the screen as illustrated below:

- Press CH- to select VOLUME.

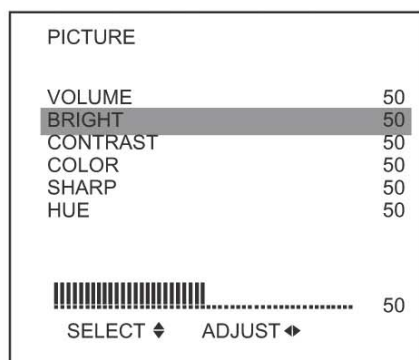


Press Δ / ∇ to adjust the VOLUME Level.

Notice

Notes: NTSC color system will display "HUE", PAL will not.

- Press CH- to select BRIGHT.



Press Δ / ∇ to adjust the BRIGHTNESS level.

(2) Option

LANG , SCALE , CAM1 , CAM2, CAM3, CAM4 options display on the

Screen as illustrated below :

- Press CH- to select LANG.

OPTION	
LANG	ENG
SCALE	ON
CAM1	NORMAL
CAM2	NORMAL
CAM3	NORMAL
CAM4	NORMAL
SELECT ◀ ADJUST ▶	

Press Δ / ∇ to select ENGLISH / JAPANESE / FRENCH / PORTUGUESE / SPANISH / RUSSIAN / TURKISH / GERMAN / ITALIAN / BULGARIAN / ARABIC.

- Press CH- to select SCALE.

OPTION	
LANG	ENG
SCALE	ON
CAM1	NORMAL
CAM2	NORMAL
CAM3	NORMAL
CAM4	NORMAL
SELECT ◀ ADJUST ▶	

Press Δ / ∇ to select ON / OFF. Scale refers to the reversing distance indicator displayed on the monitor.

- Press CH- to select CAM1.

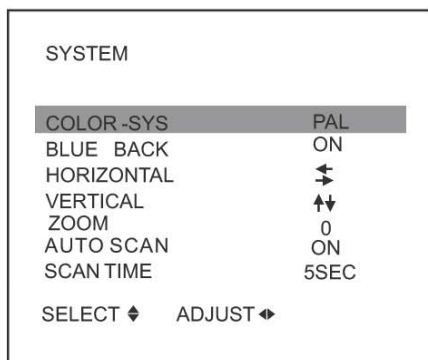
OPTION	
LANG	ENG
SCALE	ON
CAM1	NORMAL
CAM2	NORMAL
CAM3	NORMAL
CAM4	NORMAL
SELECT ◀ ADJUST ▶	

Press Δ / ∇ to select NORMAL / MIRROR.

(3) System

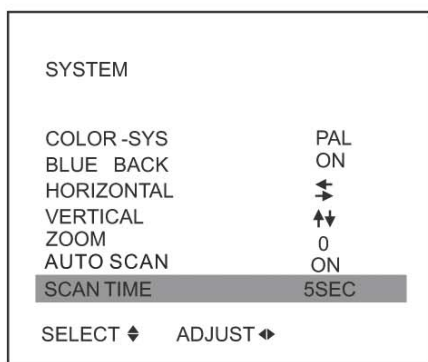
COLOR-SYS, BLUE BACK, HORIZONTAL, VERTICAL, AUTO SCAN, SCAN TIME functions will display on the screen as illustrated below :

- Press CH- to select COLOR-SYS .



Press Δ / ∇ to select PAL / AUTO / N 443 / N 358.

- Press CH- to select SCAN TIME.

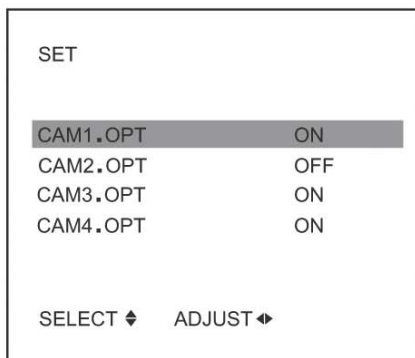


Press Δ / ∇ to select 5s-90s .

(4) Set

CAM1.OPT, CAM2.OPT, CAM3.OPT, CAM4.OPT will display on the screen as illustrated below :

- Press CH- to select CAM1. OPT.



Press Δ / ∇ to select ON / OFF.

9. 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 unauthorized 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 Check whether the environments temperature is too low.
No color	Adjust the color settings.
Upside down or lateral inverted picture	Use the remote control horizontal /vertical selection switch to set proper orientation
No reversing function (i. e. Picture)	The black wire of the monitor AV cable to the reversing light may be loose. The red wire from the monitor may be loose.