

English

User's Manual

Car Back View Monitor
Night Vision & Weather-proof
Model:011CF



Please read this manual thoroughly before any attempt to install and operate this product and retain it for your future reference.

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EU Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



INTRODUCTION

Thank you for purchasing our car back view monitor. This product works at ISM-2.4GHz frequency band, which could be legally used worldwide without permission. We feel confident that you will be pleased with the quality and features of this product.

The product is made of alloyed shell and special weather-proof enclosure that protect it against power and water sprays. It passed the IP67 testing. The product offers a new solution and experience for drivers. Drivers can check the back situations through the camera mounted on the rear car, and does not need to look back and forth.

This product is only for accessorial reminding tool, thus we will not take any responsibility for resulting accident.

Please read the manual thoroughly before using, and following the instruction accordingly.

Notice

Notice: This product may cause interferences with other wireless equipment that operates at 2.4GHz ISM band. Please turn off one of the equipments to eliminate the interference.

Product Assurance: This camera will emit electromagnetic wave, just like other wireless products, however, its transmitting power is less than other wireless products such as mobile phones. The 2.4GHz wireless camera meets wireless frequency security standards and recommended indexes while working. These standards and indexes are certificated by academic organization and represent the cogitative research of the scientific workers who continuously explore and annotate the involved fields. So we believe that our products are safe for customers.

Approval Information

All our products meet the requirements of approval FCC or CE, and are granted the FCC or CE certification. They are authorized to bear FCC or CE mark.

FCC

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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
- Changes and modification not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commissions rules.

CE

This product complies with standards including **Low Voltage Device Directive 2006/95/EC**; **EMC Directive 2004/108/EC** and **R&TTE Directive 1999/5/EC**. It passed the subject tests by the authority concerned and is authorized to bear **CE** mark.

PRODUCT

Features

- » Special optical lens substituting the original rear-view mirror
- » 120° view angle for wide eyeshot
- » Water resistance design for outdoor usage
- » Easy installation, suitable for cars, small and medium buses
- » Automatically start up the rear view images while reversing

Package Contents

This package comes with the following items. Please check whether they are all included in the packaging box, if one or some is missing, contact the retailer for replacement.

- ① Camera x1
- ② LCD Monitor x1
- ③ Detector x1
- ④ Power Cable for Camera x1
- ⑤ Video Cable for LCD Monitor x1
- ⑥ Mounting Hardware x1
- ⑦ Double Face Tape x1
- ⑧ User's Manual x1

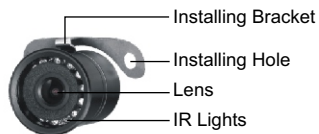


Note:

The picture may vary from the actual object.

Feature Locations

Camera



LCD Monitor



INSTALLATION

We strongly recommend you ask qualified technician or maintenance engineer to install this device. Improper installation of this monitor may cause battery leakage or short circuit. Please follow steps below to install the product.



LCD Installation

1. Install the LCD monitor to the bracket then stick it on the even place in the front of the car tightly. And adjust the angle for perfect viewing effect.



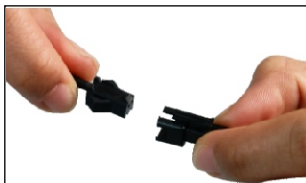
2. Connect the power to the +12V correctly.

Camera Installation

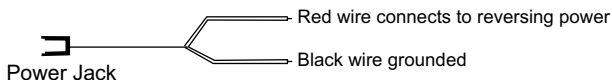
1. Remove the screws from the license bracket, locate the camera on the license bracket then screw them tightly.



2. Connect the black pin of the camera to the black pin of the power cable.



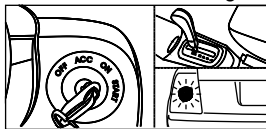
3. Use the detector to detect the wire near reversing lights on the rear car body to find reversing power then connect the wire correctly.
(Refer to Find Reversing Power section on Page8-9)



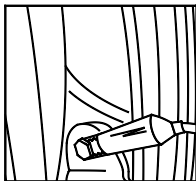
Find Reversing Power

How to use the detector to find the power from the reverse power?

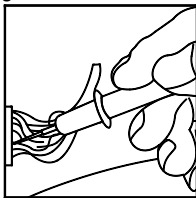
1. Tweak the key to the right side of the cigarette lighter, step on the reverse gear, the power from the reverse light will be on at once.



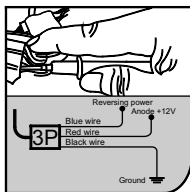
2. Clip the pincers to the metal of the car body.



3. Use the red pen to find the power from the wire until the LED light is on. Find out the light wire, then push the switch to the parking and use the red pen to detect it, if the light turns off, then the wire is the reverse power; if the light is still on, the wire is anode +12V.



4. Red wire connects to anode +12V; blue wire connects to reversing power 12V; black wire connects ground.



Maintenance

- ◆ Do not shake or strike the product;
- ◆ Do not disassemble or repair the camera; doing so may cause damages to the product.
- ◆ The product can connect to the VCD/DVD and play program, however, please don't watch the program while driving.
- ◆ Do not use solvent such as gasoline, cleaner or antistatic spray to clean the screen.
- ◆ Keep the battery out of children's reach.
- ◆ Make sure the polarity are fit properly while installing battery.
- ◆ Never charge the battery, disassemble it or put it into fire.

SPECIFICATIONS

| | | |
|---------|------------------------|-----------------------------|
| System | Transmission Frequency | ISM 2,400~2,483MHz |
| | Transmission Power | 10mW/CE; 2mW/FCC |
| | Transmission Distance | 20m Without Block (min) |
| | Modulation Mode | FM |
| | Operating Temperature | -10℃~+50℃/+14℉~+122℉ |
| | Storage Temperature | -20℃~+60℃/-4℉~+140℉ |
| | Operating Humidity | ≦85% |
| | Operating Condition | Car, Bus and Truck |
| Camera | Imaging Sensor Type | CMOS |
| | Picture Total Pixels | 628*582 (PAL)/510*492(NTSC) |
| | Horizontal Resolution | 380TV Lines |
| | View Angle | 130° |
| | Minimum Illumination | 0Lux/F1.2(IR ON) |
| | Night Vision Range | Min. 5m |
| | Weatherproof Grade | IP67 |
| | Power Supply | DC 12V |
| | Dimensions | 31*32*28mm |
| | Weight | 56g |
| Display | Display Type | 2.36" TFT |
| | LCD Resolution | 1200*234(DOT) |
| | LCD Contrast Ratio | 150:1 |
| | Power Supply | DC12V |
| | Dimension | 83*70*23mm |
| | Weight | 508g |

* Specifications are subject to minor change without prior notice.

TROUBLESHOOTING

When you experience the operation problems, please check and try the following yourself before claiming that it is the defective product or consulting the experienced technician.

| Abnormal Phenomena | Possible Reasons/Solutions |
|-----------------------|--|
| Monitor does not work | Check if the fuse is connected well. |
| | Check whether the camera/LCD monitor connected to power supply and powered on. |
| | Check if the polarity of the battery is fit properly. |
| The video is unclear | Mismatching the TV system of PAL or NTSC. |
| | Interfered with other devices nearby; Remove or turn off such devices. |
| | Check the distance & blocks. |
| | The temperature in the car may be too cold or too hot. |