English

User's Manual

Wireless Back-up Kit Weather-proof

Model:002CF

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 f eel 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 IP65 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

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

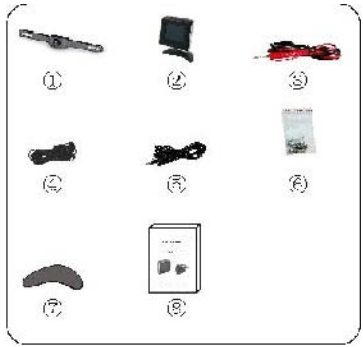
Features

» 380TV lines clear picture display » 95° view angle for wide eyeshot» IP65 water resistance design for outdoor usage » Automatically start up the rear view images while reversing » 2.4"LCD screen display for vivid and bright images» Easy installation, suitable for cars and buses

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 Power Cable for Receiver 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 Monitor Installation

Camera Installation

Camera Installation

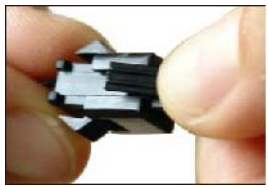
Camera Installation

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

2 Put the power wires in order and put them through the hole of the license bracket then place them on the trunk for connection.

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

Note: Press the buckle on the black pin of the power cable to unplug the black pins.



4. 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)

Red wire connects to reversing power

Black wire grounded

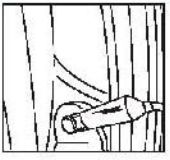
Power Jack

Find Reversing Power

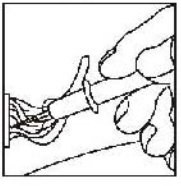
How to use the detector to find the power from the reverse powe

1. Step on the reverse gear.

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



3. Use the red pen to find the power by thrusting into the tape. Ma sure the penpoint touch the wire core.



4. If the LED light is on, find out the light wires.
5. Push the switch to the parking and use the red pen to detect it light turns off, then the wire is the reverse power.
6. Connect the reverse power wire with the red wire of the camer

Find Reversing Power

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

1 Step on the reverse gear.

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

3 Use the red pen to find the power by thrusting into the tape. Make sure the penpoint touch the wire core.

4 If the LED light is on, find out the light wires.

5 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.

6 Connect the reverse power wire with the red wire of the camera and tie them together with the electronic tape.

LCD Installation

1 Before permanently mounting the monitor, please clean the mounting place. And let it dry thoroughly. Stick the monitor bracket bottom with double tape face and press firmly to adhere tightly.

2 Press the monitor bracket firmly onto the area you just cleaned. Adhesive reaches maximum strength in 24 hours. Moving the fastener from its original position will weaken the adhesive and may damage the mounting surface.

3 Ad just the angle for perfect viewing effect.

4 Connect the power jack to the monitor and connect the black pin of the power jack with the black pin of the prolong cable. (Refer to Find Anode +12V section on Page10)

Red wire connects to Anode +12V

Black wire grounded

Power Jack

Find Anode +12V

How to use the detector to find the power from the Anode +12V?

1 Tweak the key to the right side of the cigarette lighter.

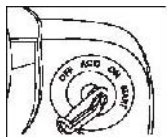
2 Clip the pincers to the metal of the car body.

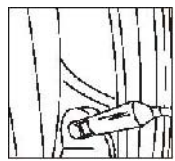
3 Use the red pen to find the power by thrusting into the thick tape. Make sure the penpoint touch the wire core.

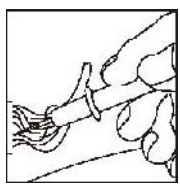
4 If the LED light is on, find out the light wires.

5 Tweak off the key, if the light turns off, then the wire is the anode +12V.

6 Connect the anode +12V power wire with the red wire of the receiver and tie them together with the electronic tape

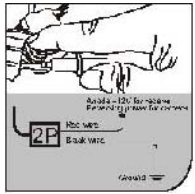






Find Ground Wire

Start the car and tweak the key reverse. Clip the pincers to the reversing wire. Use the red pen to find the power by thrusting into the tape (most of the ground wire are black wires). If the light is on, the wire is ground wire. Then connect the ground wire with the black wire of the camera and receiver and tie them together with the electronic tape



The whole connection is finished! Then you can see the back situationsvia the LCD monitor.While reversing, the LCD monitor will display the back situations. However, it will convert into standby mode in non-reversing status.

Maintenance

Do not shake or strike the product.

Do not disassemble or repair the camera; doing so may cause damages to the product.

Do not use solvent such as gasoline, cleaner or antistatic spray to clean the screen.

Turn off the camera/receiver if the system is not in use.

The camera/receiver can only be completely disconnected from the mains by unplugging the adapter.

Do not cut the DC power cable of the apparatus to fit with another power source.

SPECIFICATIONS

Imaging Sensor	CMOS
CMOS Total Pixels	510*492(NTSC) /

628*582(PAL)	
nsmission Frequency	ISM 2,400~2,483MHz
Transmission Distance	Approximal 50m Without Block
Operating Temperature	−30~75℃/−22℉~+167℉
Storage Temperature	−40~80℃/−40℉~+176℉
Operating HumidityCa	≦80%RH
Operating ConditionM	Car, Bus and Truck
Signal Noise Radioera	40dB(AGC OFF)
Horizontal Resolution	380TV Lines
View Angle	95°
Minimum Illumination	1Lux/F2.0
Weatherproof Degree	IP65
Power Supply	DC 12V (Car Power Supply)
Dimensions	260*32*34mm
Weight	100g
Display	2.4''TFT
Receiving Sensitivity	≦−80dBm
LCD Resolution	480*240(DOT)
Signal Noise RadioDi	38dB
Operating Temperature splay	0~50℃/32℉~+122℉
Storage Temperature	−20~60℃/−4℉~+140℉
Power Supply	DC12V(Car Power Supply)
Dimension	85*93*43mm
Weight	105g

* 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.