

Model: 8902JP, 8912JP

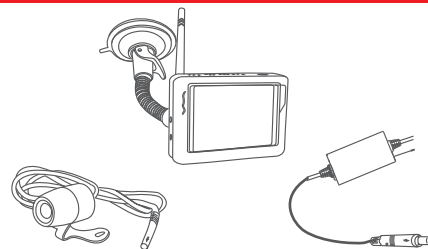
EU Environmental Protection

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.



USER MANUAL

Digital Wireless Backup Camera System with 3.5" TFT-LCD Monitor



Model: 8902JP, 8912JP

Version 1.1

Please read this user manual carefully before using this product. Failure to understand operation procedures may result in injury.

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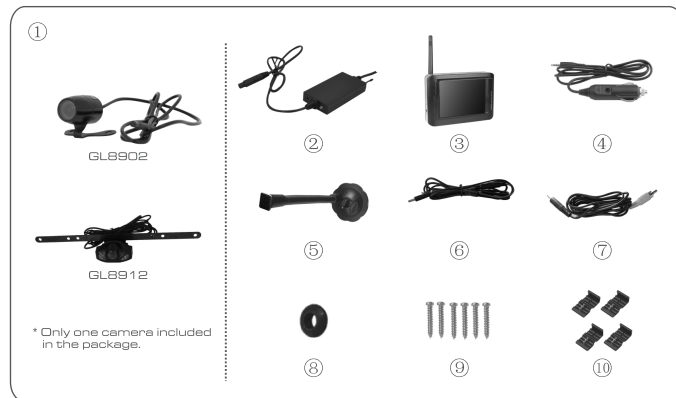
* 8902JP = GL8902 (camera) + GD7610 (monitor)
+GT4067

* 8912JP = GL8912 (camera) + GD7610 (monitor)
+GT4067

Welcome

Thank you for choosing our backup camera system. Please install and use the product in accordance with our operation instructions. We will provide quality and reliable service for a variety of vehicles including cars, trucks, and so on. We implement rigid quality control and testing to ensure the best performance of the product as well as satisfactory service for you.

Packing List



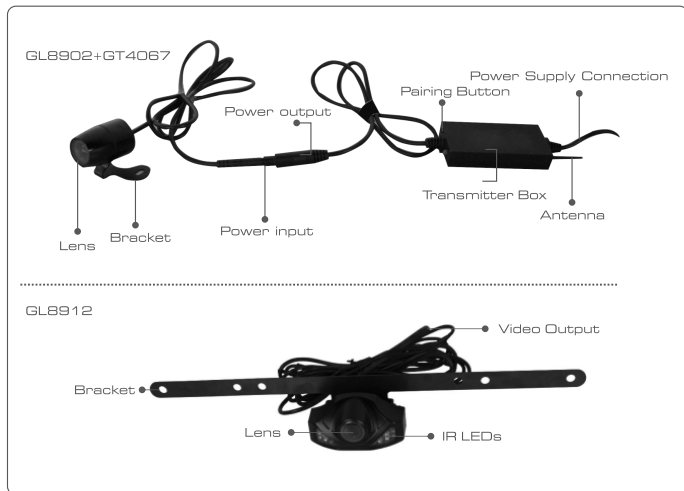
* Only one camera included in the package.

* The pictures are for reference only, please refer to real subjects.

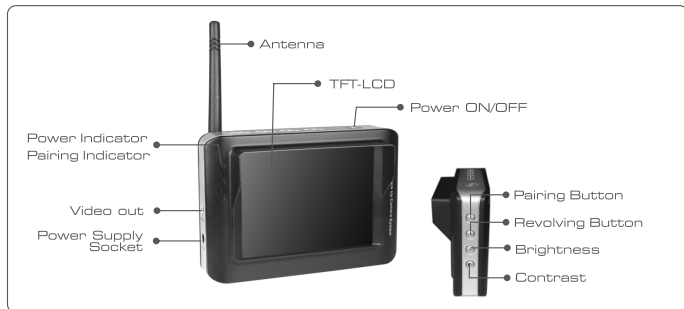
- | | |
|-----------------------------|---------------------------|
| ① Camera | ⑥ Power Supply Cable |
| ② Transmitter Box | ⑦ Video Out Cable |
| ③ Digital Wireless Monitor | ⑧ Grommet |
| ④ Cigarette Lighter Adapter | ⑨ Camera Screws |
| ⑤ Suction Cup | ⑩ In-line Wire Connectors |

Structure

Rearview Camera



Digital Wireless

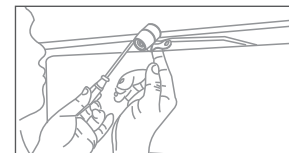
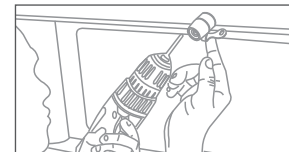


Installation

1. Installation of the camera:

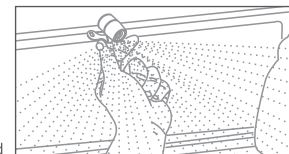
For GL8902

- 1). Drill three holes above the license plate frame: one for passing the cable through the car body; two for installing camera. Before drilling, check whether there is any part behind the hole-drilling position. If there is, for example, electronic part or fueling system part, take all necessary measures to avoid any possible damage to these parts. If the car has existing holes, please skip this step;
- 2). After the hole is drilled, insert the supplied washer, and then pass the power cable through the Grommet and into the car. The Grommet shall be used to



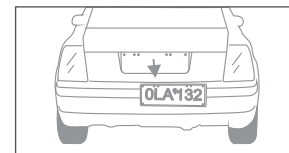
prevent the metal side of the hole from cutting the power cable;

- 3). Adjust the camera to a suitable angle for view;
- 4). Install Camera Screws we supplied to the other holes with the camera.

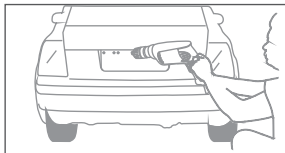


For GL8912

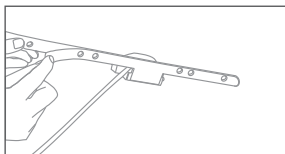
- 1). Loosen the license plate bolt or screw, and then remove the license plate on the rear of your car.



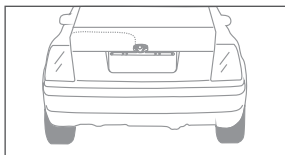
- 2). Drill one hole for the power cable on the top-middle of the incense plate location. If your car has an existing hole, you can skip this step.



- 3). Peel the backing paper of the bracket.

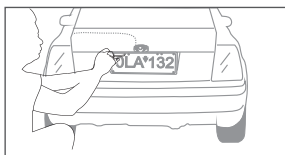


- 4). Paste the camera and tow the power wire into the car through the interstices of the car.

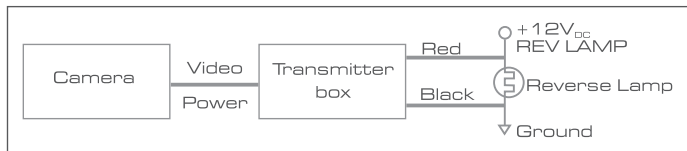


NOTE: In the wired mode, the user also needs to put the connect cable through the car body to the wired monitor.

- 5). Adjust the camera to a suitable angle. Then reinstall the license plate and bolt/screw.



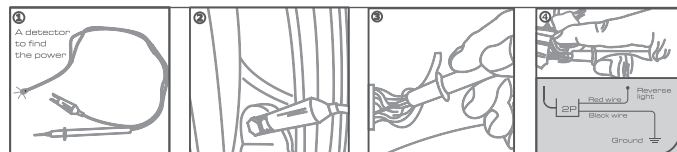
2. Connect the camera to the Transmitter Box:



3. A detector to find the power:

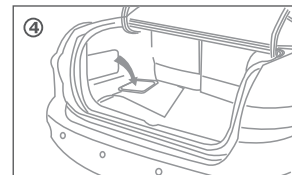
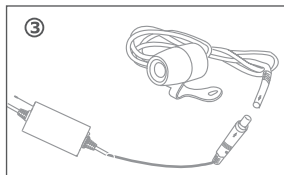
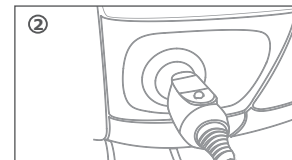
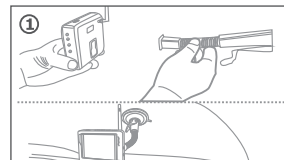
how to find the power from the reverse light?

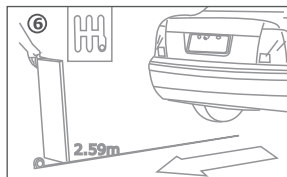
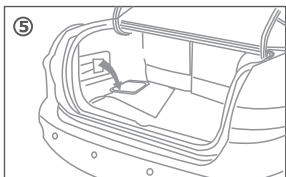
Instructions: black clamp connects to the ground wire. Use the red pen to find the power from the reverse light until the LED light is on. Then connect our red power line to the power from the reverse light, and the black to the ground wire.



4. Installation of the monitor:

- 1). Use the Suction Cup to install the monitor. The Suction Cup is stamped on the front window glass.
- 2). Connect power of the monitor. There are two methods as below:
 - A: According to the same steps, find power from the car power circuit in front, and connect the cables correctly.
 - B: Use the Cigarette Lighter Adapter included in the package to get the power form cigarette lighter socket

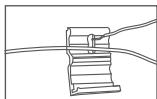




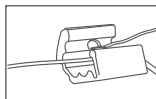
- 3). Connect the camera and wireless Transmitter Box.
- 4). Install the box on the side of the trunk.
- 5). Find and connect the reversing light cable with proper positive and negative electrodes.
- 6). Stand on the rear of the vehicle with a board (30X100cm) straight stood on hand, reverses slowly to verify the function.

5. In-line Wire Connector Instructions:

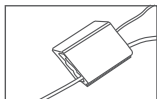
The camera can be wired directly to the reverse light circuit by stripping the reverse light wires and then twisting the camera wires to the exposed reverse light wires. Once they are connected, wrap them with electrical tape. Do not attempt this if you are not knowledgeable with electrical installation practices.



- 1). Insert the existing wire to be tapped.

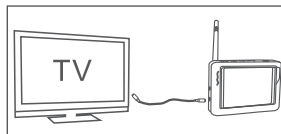
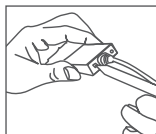


- 2). Insert the wire to be attached.



- 3). Crimp tap and then close lock

Pairing the system



The system is originally paired up from the factory setting, in any case the system loosed pairing, please follow the below instructions to pair up again.

1. Make sure camera and Transmitter Box are appropriate connected, and both Transmitter Box and Monitor are powered up.
2. Press and hold the "Pair" button on the monitor for 3 second, the orange light will start to flash and monitor shows a counting down number from 30 to 0, you have 30 seconds to press and "Pair" button on the Transmitter Box to pair up the system.
3. To use a pen or small tip to press and hold the "pair" button on the Transmitter Box for 3 seconds when the Monitor is counting down. The camera image should be showed up on the monitor, which means the pairing succeed.
4. Video are able to be output from the monitor to bigger display device such as TV or other screen with a RCA video input.

Testing the System

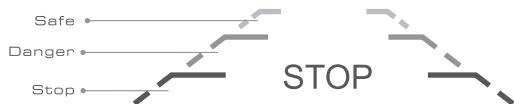


1. Image Orientation:
There are four different ways to view the image from the monitor, press the Image Orientation button, you can change the image in four different way, depends on where and how you install the camera, make sure you have the right Image Orientation before it to backup your car.
2. Contrast Adjustment:
Press the Contrast button to adjust the monitor contrast, there are 7 levels setting changes by each time press the Contrast button.
3. Brightness Adjustment:
Press the Brightness button to adjust the monitor brightness, there are 7 levels setting changes by each time press the Brightness button.
4. ON/OFF:
» For GL8912
The Monitor will automatically turn on when the camera powered up (if the Monitor does not turn on, press the ON/OFF button

one more time), and the screen displays the monitoring scene.

» For GLB902

The Monitor will automatically turn on when the camera powered up (if the Monitor does not turn on, press the ON/OFF button one more time), the screen displays the monitoring scene and a field observation tip.



5. Default Setting:

Press the Brightness and Contrast buttons at the same time, and the reset is done, both contrast, brightness and image orientation return to the default setting.

6. Save the settings:

System will automatically save all the user settings.

Cautions

- The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Turn off the Camera/Monitor if the system is not in use.
- The Camera/Monitor 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.
- Attention should be drawn to the environment aspects of battery disposal.

Specifications

Items	8902JP	8912JP	
Camera + Transmitter box	Imaging Sensor	1/4-inch CMOS	
	Effective Pixels	656x488	640x480
	Video Format	NTSC/PAL	
	View Angle	82° (PAL); 80° (NTSC);	80°
	Minimum Illumination	<0.5Lux (IR OFF), 0Lux (IR ON)	
	Power Supply	12V	
	Video output	1Vp-p±0.2@75Ω	
	Consumption Current	65mA	130mA(Max.)
	Waterproof	IP66	
	Dimensions	38 x 23 x23 mm	370 x 55 x35 mm
Receiver	Weight	60g	140g
	LCD Screen Type	3.5" TFT LCD	
	Effective Pixels	320 X 240	
	Frame Rate	30fps	
	Video Resolutions	VGA	
	Video Compression	MPEG-4	
	Receiving Sensitivity	-72dBm@GAM, -85dBm@QPSK	
	Power Supply	12/24V	
	Consumption Current	250mA (max)	
	Weight	128g	
Dimensions	108 x 75 x 38 (mm)		
Operation Temperature	-10℃ - +50℃		
Operation Humidity	15%RH-85%RH		

* All the specifications are subject to minor change without prior notice.

FCC Information

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 or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .
This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.