

Operation Guide

2.4GHz Wireless
Car Rearview Camera
and Receiver
Model: 8902BG 8902MJ

The graphics included are subject to minor change without notice.

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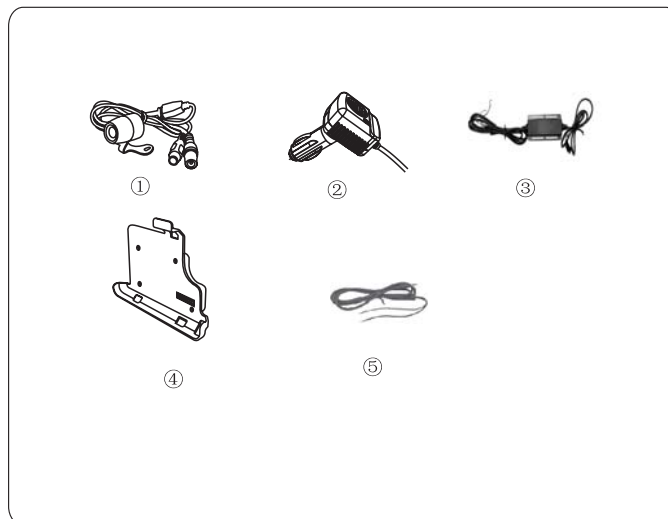
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* 8902BG means GL8902 + GT4065 + GT4013
* 8902MJ means GL8902 + GT4065 + Gb6904

1. FOREWORD

CONGRATULATIONS. The Wireless car rearview Camera, when used as described, will give you years of dependable service in your car, truck, RV, or mini-van. We have taken numerous measures in quality control to ensure that your product arrives in top condition, and will perform to your satisfaction.

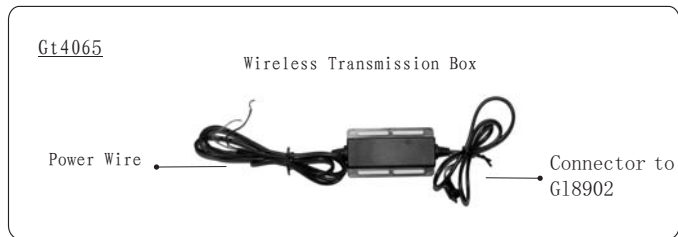
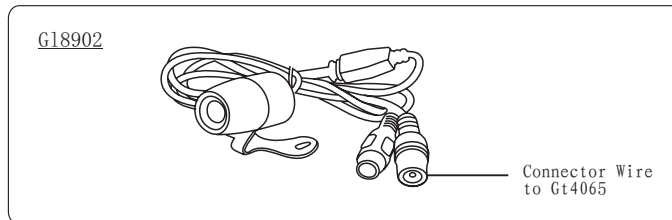
2. PACKING LIST



- ① Car Rearview Camera
- ② 2.4GHz Wireless Receiver GT4013
- ③ Wireless Transmission Box Gt4065
- ④ 2.4GHz wireless Receiver GB6904
- ⑤ conversion cord

3. STRUCTURE

3-1 Car Rearview Camera



4. INSTALLATION

These installation instructions do not apply to all vehicles. They are meant as only as a general guide due to common vehicle makes & models. For specific questions, contact your vehicle's manufacturer. Consult your local motor vehicle laws on the use of this product.

4-1 CAMERA INSTALLATION

You may mount the camera near the license plate's top with screws.

1. Uplift the backside door of vehicle and remove the cover to install profitably. (Fig1)



2. Drill three holes. The one hole for the connector wire and two holes for installation of the camera. (Fig2)

(Fig1)

Note:

* Some vehicle's may have a hole available to pass the wire through, if not, you need to drill a hole close to the location of camera for the connector wire, and two holes for the screws of camera installation.
* Before you drill those holes, you must check out and make sure no other components too close to your aiguille. Before drilling, we strongly commend you remove electrical parts or fuel system behind the vehicle door and clear the surroundings to avoid unexpected damages.



(Fig2)



(Fig3)

3. If the holes are all ready, pass the connector wire of camera into the vehicle. (Fig3)
Install the camera by two screws supplied and adjust the camera to an proper angle. (Fig 4)



(Fig 4)

Note:

* Generally we advise you put it on the center of the license plate top.

4. Then connect the camera to the transmission box GT4065. (Fig5)



(Fig 5)

5. Fix the transmission box Gt4065 on the surface by the sheet screws we supplied. (Fig6)

6. Next you'll need to find the vehicle's reverse lights. Turn off the vehicle's reverse lights. Turn the vehicle's ignition key to the accessory position, engage the parking brake and put the car in reverse. Look at the vehicle's tail lights to see where the reverse lights are located, they are the white lights.

To locate the reverse light's 12/24VDC wire it will be necessary to gain access to the rear of the vehicle's tail light.

For help locating the vehicle's reverse light circuit contact your vehicle's manufacturer for vehicle specific wiring diagrams.



(Fig 6)

7. Once you have located the reverse light circuit you will have to route the GT4062 Power Wire to that location. You must securely fasten the Power Wire to prevent it from being caught on any vehicle component such as the trunk hinge (Fig. 7). Never route the cable outside the vehicle.



(Fig 7)

8. The reverse light sockets on most vehicles have two wires connected to them. Usually the negative wire is black and the positive wire is a colored wire. If you are uncertain about the wiring, you can use a 12/24 volt test light available at most auto parts stores to determine which is the positive wire.

- a. Remove the reverse light socket from its housing, then remove the blub from the socket.
- b. Engage the parking brake, turn the ignition key to the ON position, but do not start the vehicle. Put the gear shift in the reverse position.
- c. Attach the ground wire of the test light to the vehicle ground, then touch one of the socket's contacts with the positive lead.
- d. If the test light lights up, then the wire corresponding to that contact is the positive wire. If it doesn't light up the opposite wire is the positive wire.

Follow the manufacturer's instructions for the safe use of the test light.

9. After determining which wire is the positive and which is the negative, turn off the ignition key, then remove the battery's negative cable.

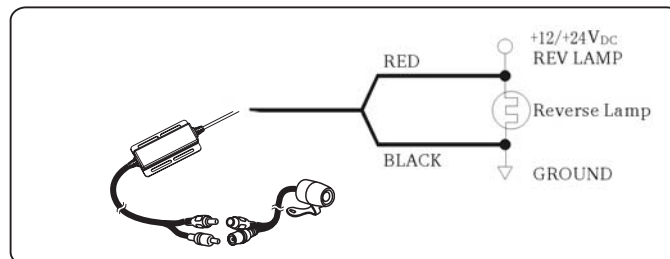
10. Following the In-Line Wire Connector Instructions section, splice the Red wire using the supplied In-Line Wire Connector to the reverse light's positive(+) wire. Use a set of slip joint pliers to squeeze the TAP and insure good connection.

11. Next splice the black wire of the transmission box GT4062 power wire to the reverse light's negative(-) wire or ground.

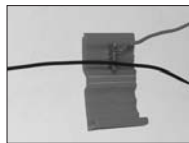
12. Replace the reverse light bulb, then reinstall the light socket. Secure all the wire with cable ties or electrical tape. Reattach the negative battery cable to the battery.

Wiring Connector Diagram

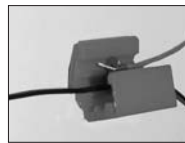
Gt4065 is equipped with Reverse Voltage Protection. If the camera does not operate, please check that the Red wire is connected to positive (+) and the Black wire is connected to negative(-).



In-Line Wire Connector Instructions



Insert the existing wire to be tapped.



Insert the wire to be attached.



Crimp tap then close lock

You do not need to use the In-Line Wire Connectors. GT4062 can be wired directly to the reverse light circuit by stripping the reverse light wires then twisting GT4062 wires to the exposed reverse light wires. Once connected, wrap with electrical tape. Do not attempt this if you are not knowledgeable with electrical installation practices.

4-2: 12/24 Voltage Cigarette Lighter Adapter and 2.4GHz wireless Receiver Gt4013 Using

1. Plug the end of the power cable into the electric equipment.
2. Plug the end of the AV cable into the AV equipment
3. Plug the 12/24 V car power adapter into car power socket.



4. The monitor or GPS will be automatically activated when you back up the car. The monitor will be automatically shut when the car goes forward.

4-3 2.4GHz wireless Receiver Gb6904 using

1. Clamp the Gb6904 on a GPS equipment
2. the GPS equipment will supply 5V voltage to the Receiver and the Receiver can supply AV signal to GPS.
3. The monitor of GPS will be automatically activated when you clamp the Receiver

5. SPECIFICATIONS

CAMERA	Items	GL8902+GT4065
	Imaging Sensor	CMOS
	Total Pixels	510 496 (NTSC) 628 586 (PAL)
	Horizontal View Angle	80 degree
	Transmission Frequency	ISM 2,400-2,483MHz
	Transmission Power	2mW/FCC, 10mw/CE
	Minimum Illumination	<0.5 Lux
	IR Night Range	4m
	Modulation Type	FM
	Bandwidth	18MHz
	Power Supply	+12V DC
	Consumption Current (Max.)	150mA
	Dimensions (W x D x H)	-
	Weight (about)	-
RECEIVERGT4013	Modulation	FM
	Transmission Frequency	ISM 2,400-2,483MHz
	Input voltage	12V/24V DC
	Output current	1.5A
	Output Voltage	5V
	Received Sensitivity	<-85dBm
	Consumption Current (Max.)	1.5A
RECEIVERGB4096	Modulation	FM
	Transmission Frequency	ISM 2,400-2,483MHz
	Input voltage	5V DC
	Output current	110mA
	Video output level	1.1Vpp
	Received Sensitivity	<-93dBm
	Video output impedance	75 Ω

* Channel Frequency: CH1=2,414MHz; CH2=2,432MHz; CH3=2,450MHz; CH4=2,468MHz

* Actual transmission range may vary according to the weather, location, interference and building construction.

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

FCC INFORMATION

This device complies with part15 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.

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

CAUTIONS

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Turn off the Camera/Receiver if the system is not in use.
- The adapter is used as the disconnect device from the mains. The adapter shall remain readily operable.
- The Camera/Receiver can only be completely disconnected from the mains by unplug 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.

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.



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