

GA 6040 wireless backup camera

Introduction:

Wireless Reverse Camera GA6040 is design for vehicle owners which wish to self install the reverse camera to their vehicle. 3 major parts are required for installation:

Reverse Camera: Which installed outside at the back of the vehicle.

Transceiver: Which connects to the reverse light's power cable and Reverse Camera, it is responsible to wirelessly transfer the camera image to the receiving end.

Receiver: Connect to the monitor, which display images from the reverse cam.

Video Streaming is transfer in 2.4GHz ISM band, using wireless multimedia processor to overcomes different interferences, like microwave-oven, and work coexistence with other 2.4GHz wireless devices, like cordless phone, WiFi, bluetooth, wireless keyboard and mouse. The robust anti-interference capability is controlled by wireless multimedia processor to perform adaptive frequency hopping spreading spectrum protocol.

Power input for GA6040 is 12~24V for the transceiver, which is suitable for passenger vehicle include, Sedan, Hatchback, Couple, 4 wheel drive, MVP and SUV. Power converter may require if you wish to install on the larger commercial vehicle. Please check the vehicle battery voltage before installation.

Package Content:

Packages includes:

1x Camera Module

1x Transceiver for connection with camera module and reverse light's power cable

1 x Receiver for connection to screen and power.

4x power cable connector

Camera Module Specifications

Component and Optical Specification	Spec.
Horizontal FOV	Approximately 120°
Vertical FOV	Approximately 100°
Diagonal FOV	Approximately 140°
F No.	2.0±5%

CMOS Sensor Size	1/4"
Array Size	640x480
Optical distortion	1.0%
Lens Size	1/4"
Lens Type	4G
UV resistance	Yes
Anti fog coating	Yes/with Self clean
ID design Compliance	IPX6; IPX7
Storage Temperature	+75°C ~ -20°C
Operation Humidity	90% RH
Power Supply	9~12 V; From Transceiver
Cable length	1800 mm
Dimension	Approximately 30.2mm x 31.6mm x 30.5 mm

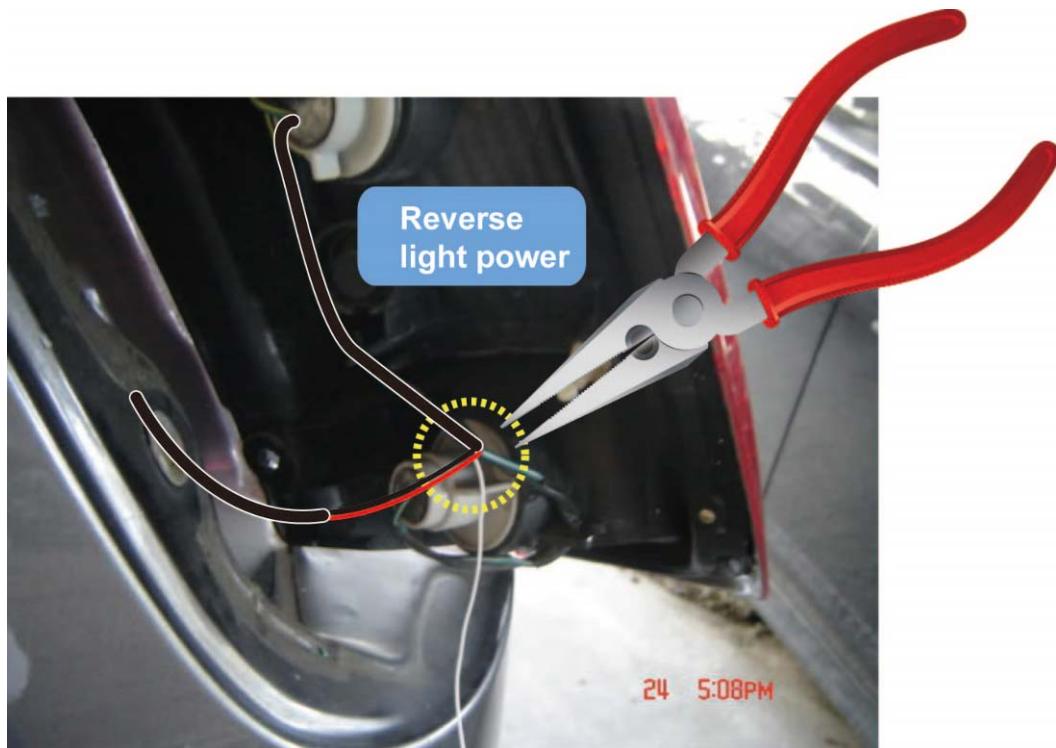
Step by Step installation

Step 1: Connect the receiver to the monitor via 3.5mm AV out connector.

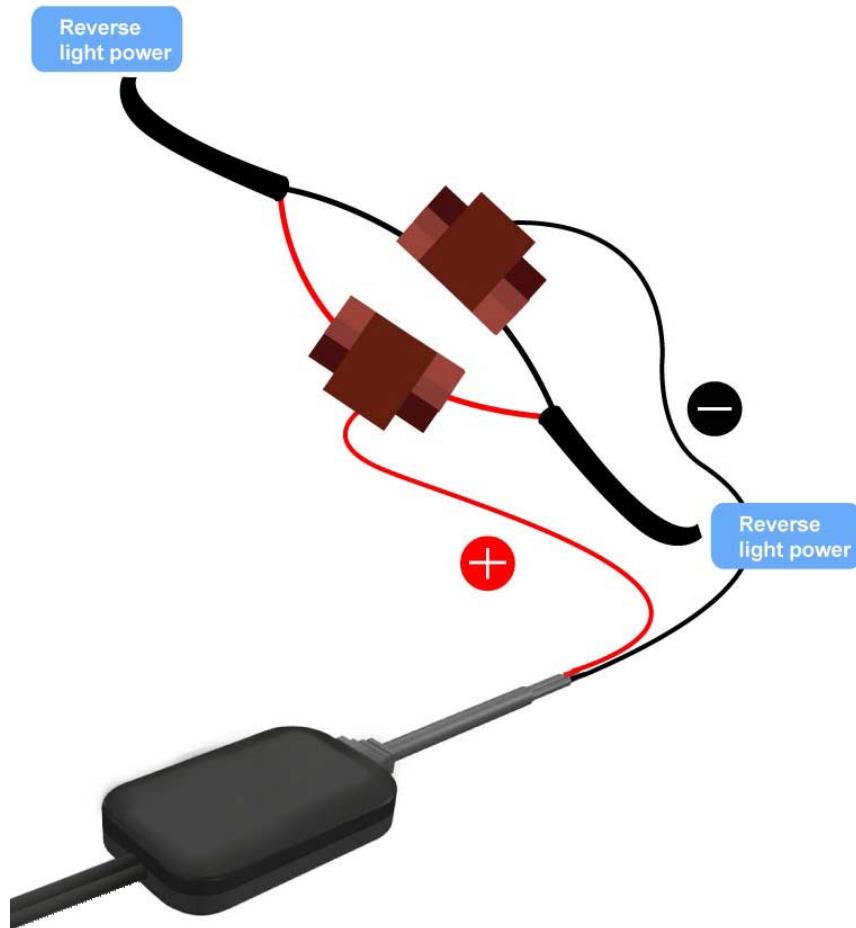
Connect the receiver with 5V 0.5~1 amp mini USB car charger.



Step 2: Place the transceiver near by the reverse light. Connect the power cable of the transceiver to the power cable of the reverse light.



Reconnect the reverse light power cable by using the T shape connector. Connect the power cable of the Transceiver to the T-Shape connector.

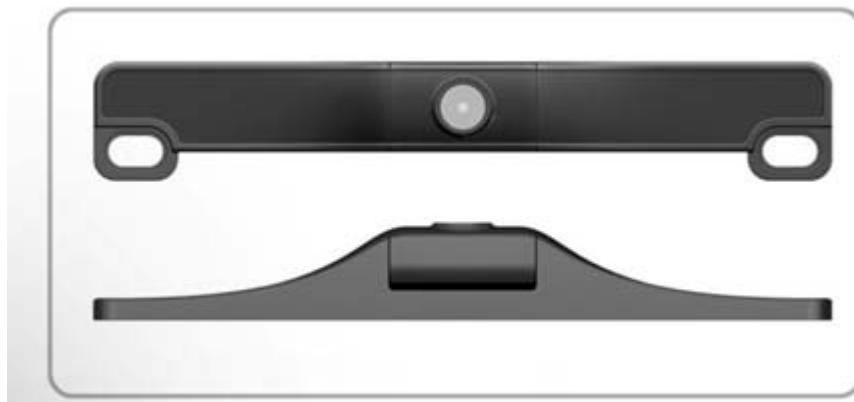


Step 3: Temporary fixed the reverse camera to the desire/appropriate location at the back of the car. Whether it is on the recess on the trunk, license plate lights, license plate or on desire position on the bonnet.

Connect the camera module to the transceiver. Start the car engine and shift the gear to reverse while pressing the break. Images from reverse cam will automatically displayed on the screen. Repeat the action several times and adjust the camera angle to the best view position if necessary.



Camera ID



Connected camera's Video Out and Power in to transceiver.



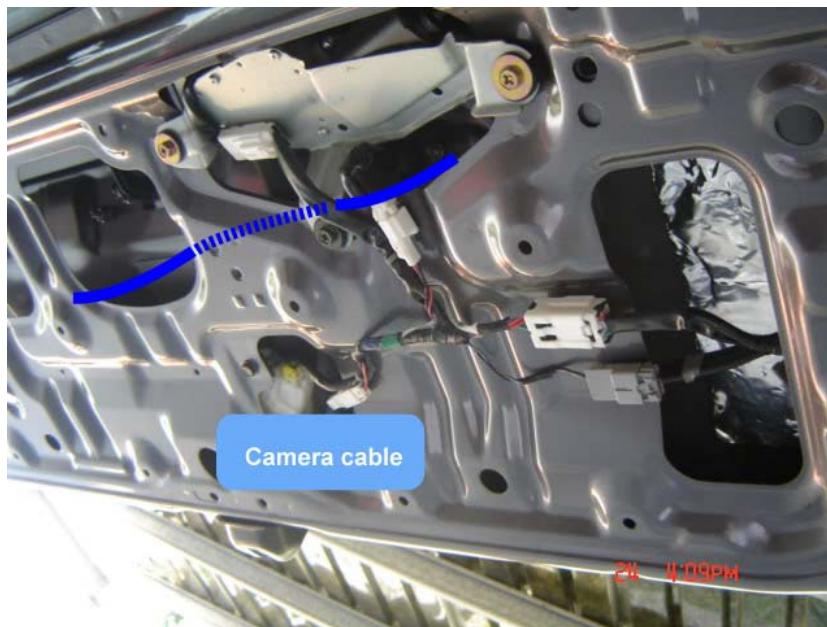
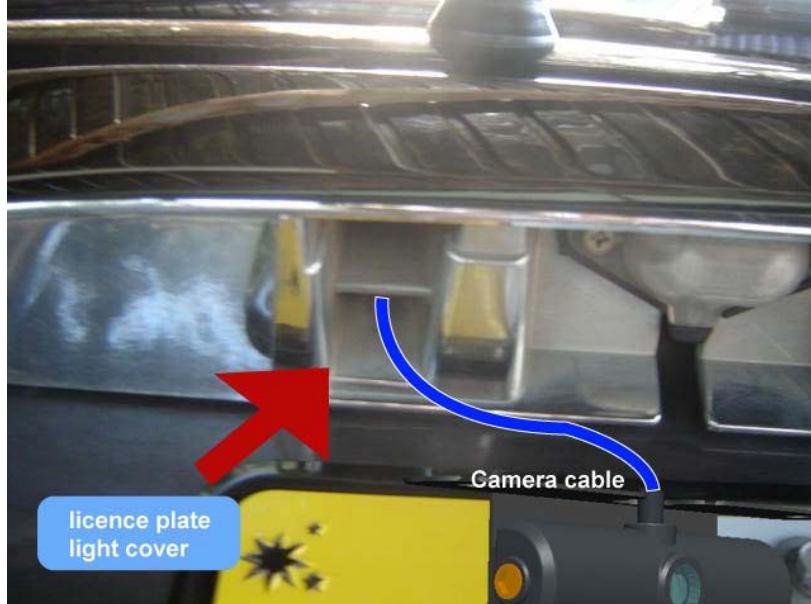
Up and down adjustment: By bending the metallic fixed plate or apply different thickness layer of double sided tape.

Left and right adjustment: By apply different layers of double sided tape on the left

and right side of the fixed metal plate.

Step 4: Cabling thru: to avoid camera cable distract appearance of the vehicle, it is recommended to hide the camera cable in the following location:

Remove the license plate light cover and insert the camera cable in.



Move the camera cable along the cable holder.



Connect the camera cable to the receiver.



Example of the complete installation.



Note:

If reverse light of your vehicle is located at the trunk lid you may fixed the transceiver on the rare bonnet to minimized the complexity of wiring around the vehicle.

Warning:

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

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 one or more of

the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and 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 interference and
- 2) this device must accept any interference, including interference that may cause undesired operation of the device.