

BOYO[®] WiFi High Resolution Rear View Camera System

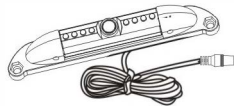
user's manual

VTC525R

1. Parts list



A. 5" Wireless Monitor x 1



B. Wireless Bar-Type Camera x 1



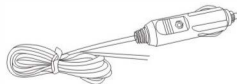
C. Suction Cup Mount x 1



D. Suction Cup Mount Bracket x 1



E. Monitor & Camera Power Cable x 2



F. Cigarette Lighter Cord w/ USB Port x 1

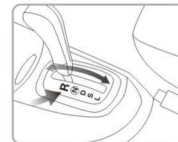
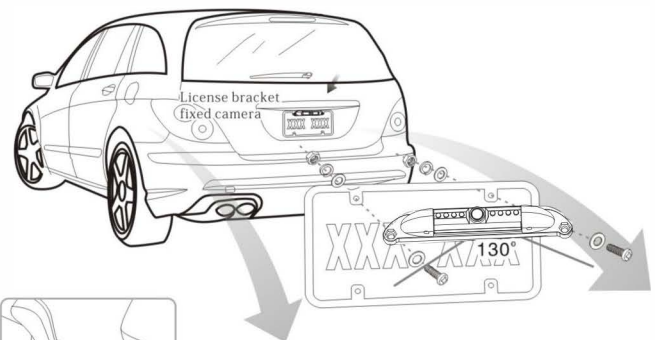
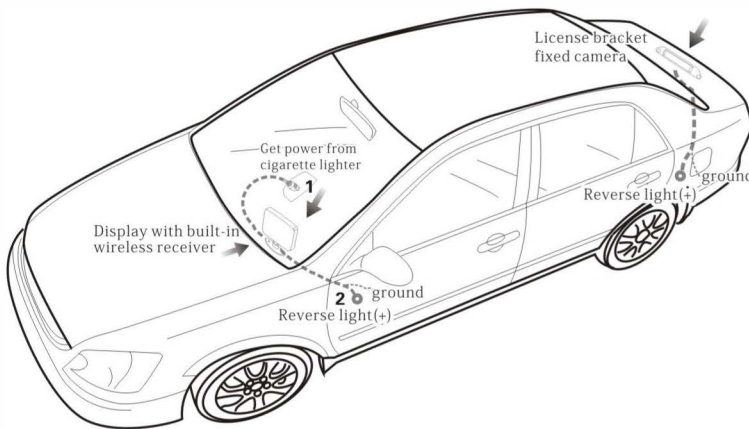


G. Camera Mounting Hardware x 2



H. User's Manual x 1

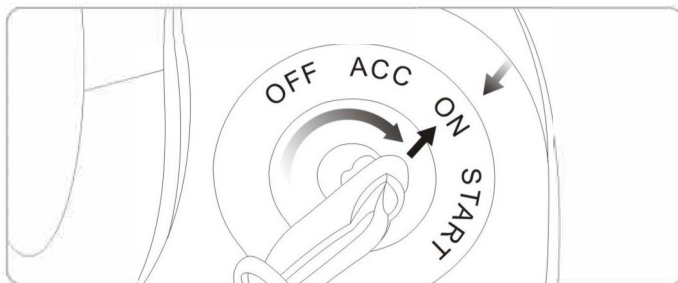
2. Testing



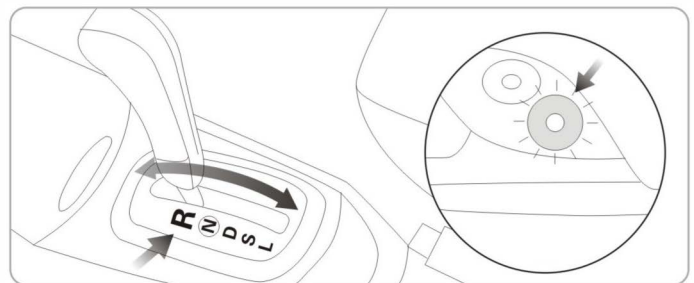
Testing:

When the vehicle is in reverse gear, the system will work automatically. The wireless camera will send the video signal to the wireless monitor. When the vehicle is shifted out of reverse gear, the system will shut down.

3. Preparations

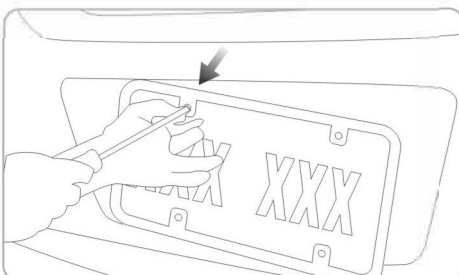


① Turn the key to the on position, the power of the vehicle is on.

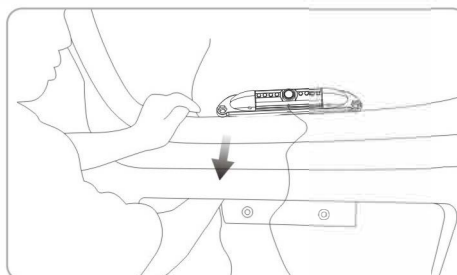


② Shift to the reverse gear, the reverse light is on.

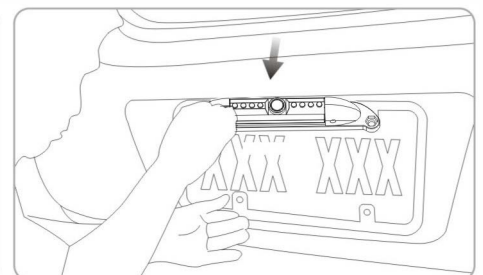
4. Camera Installation



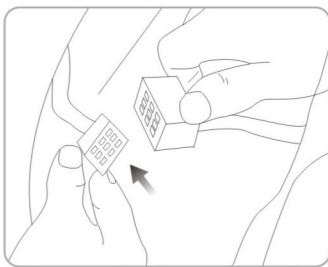
● Remove the license plate



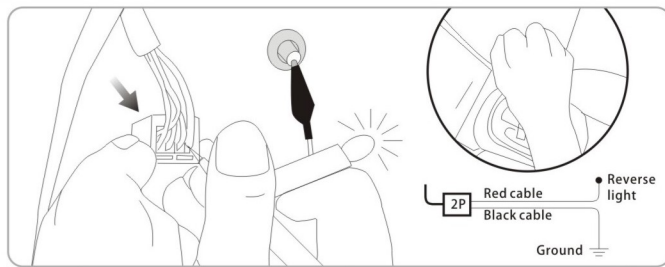
● Run the power cable of the camera in the vehicle.



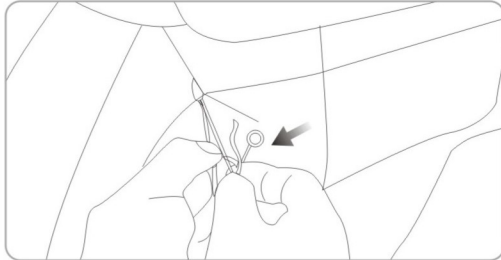
③ Install the camera onto the license plate, use the supplied screws, washers and nuts.



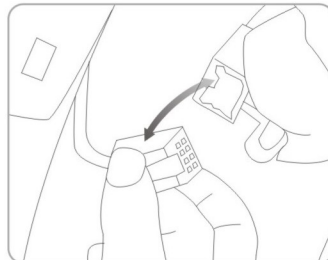
④ Locate the reverse light wires in the back of the vehicle. Disconnect the connector for wire testing



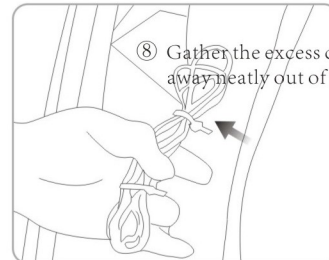
⑤ Test the reverse light wire using a volt meter or computer safe test light. In reverse, the volt meter will read + 12 volts dc or the test light will light up.



⑥ Connect the camera red wire and camera white wire to the vehicle reverse light wire. Connect the camera black wire to chassis ground of the vehicle.



⑦ Reconnect the connector as it was before testing the wires.



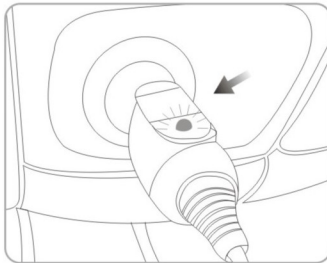
⑧ Gather the excess cable and tuck away neatly out of sight.

Notice :

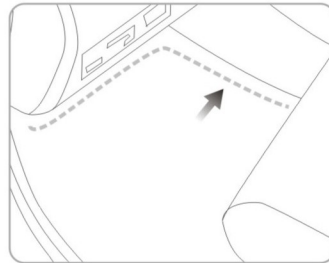
1.The trigger of the LED is connected with the astern line. When the reverse is done, the camera will be automatically powered on.

5. TWO OPTIONS FOR MONITOR INSTALLATION

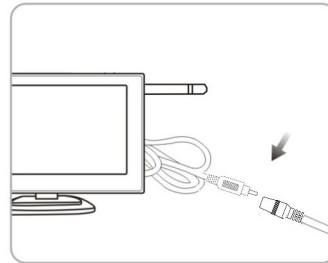
A. Cigarette Lighter Cord installation



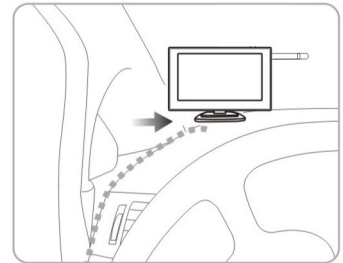
① Insert the cigarette light power cord into the cigarette lighter socket in the vehicle. When the light is on the power is on.



② Run the cigarette lighter power cord neatly from the socket to the top of the dash.

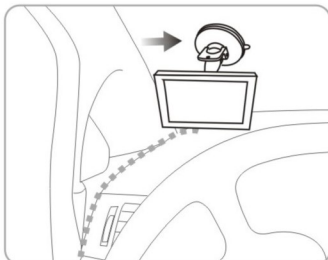


③ Connect the cigarette lighter cord to the 5" monitor.

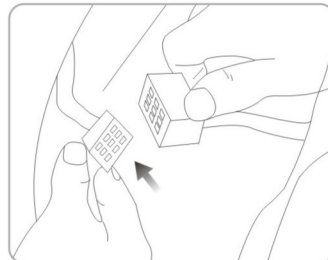


④ 1/2 Install the monitor with dash mount pedestal onto the dashboard where it is suitable

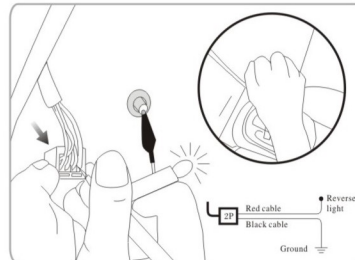
B. Hardwire Installation



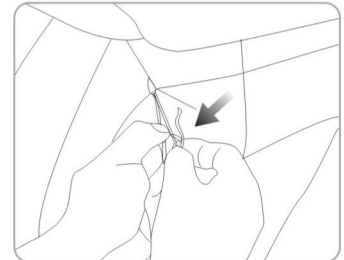
2/2 Or install the monitor with the suction cup mount on the windshield where it is suitable.



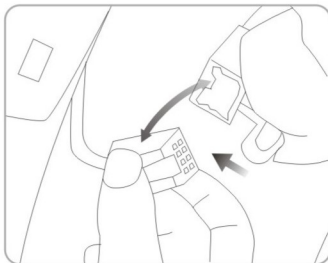
① Locate ignition switch or reverse switch wires of the vehicle. Disconnect connector and test wires.



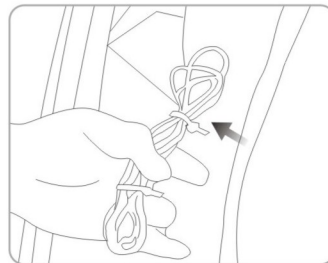
② Test the reverse light or ignition switch wire using a volt meter or computer safe test light. In reverse, the volt meter will read + 12 volts dc or the test light should light up. With the ignition switch on, the volt meter will read + 12 volts dc or the test light will light up.



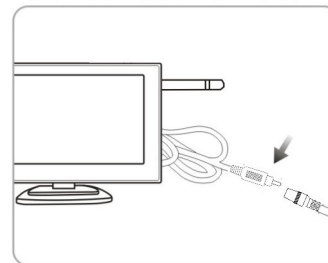
③ Connect the monitor's red wire to the vehicle reverse light wire or the ignition wire. Connect the monitor's black wire to chassis ground of the vehicle.



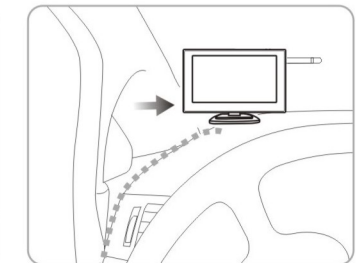
④ Connect the power lines as before.



⑤ Gather the excess cable and tuck away neatly out of sight.



⑥ Connect the hardwire cord to the 5" monitor.



⑦ Install the monitor with dash mount pedestal onto the dashboard where it is suitable or install the monitor with the suction cup mount on the windshield where it is suitable. Gather the excess cable and tuck away neatly out of sight.

FCC Statement

1.This device complies with Part 15 of the FCC Rules.

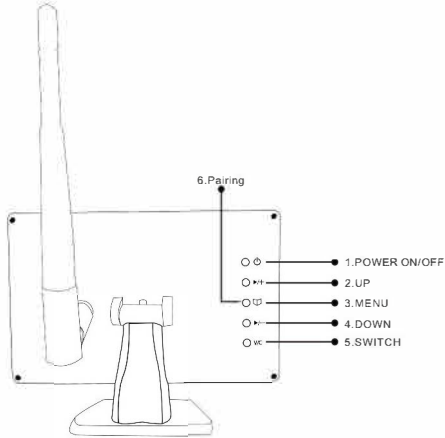
Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and

(2)This device must accept any interference received, including interference that may cause undesired operation.

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

Operation Guide:

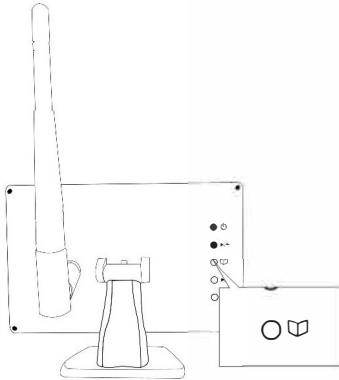


Function and Operation:

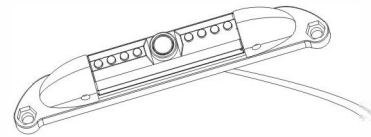
1. : Power: on/off.
2. "▲": Increase Brightness, Contrast, Color, Parking Lines ON/OFF
3. MENU: Brightness, Contrast, Color, Parking Lines & Pairing
4. "▼": Decrease Brightness, Contrast, Color, Parking Lines ON/OFF
5. VIEW: Press button to toggle screen view
(Reverse image, Upside Down, Upside Down Reverse, Normal)

● Pairing between the camera and monitor ●

All systems are paired at the factory. The following procedure is used if you have to replace the camera or monitor



Press the MENU button for 3 seconds, Pairing will appear on the monitor.



Press the pairing button at the camera for 3 seconds, Pairing Successful will appear on the monitor.



Pairing



Pairing Successful

Specifications:

Model:

Transmission method: Wifi digital signal

Video compress:H.264

Transmission distance:67ft

Working temperature:-68°F~ +140°F

Store temperature:-86°F~ +176°F

Working humidity:85%RH

Image Sensor: 1/3 Color CMOS

Pixel: 800*480

Display: 5" TFT LCD

Output Power: 15dBm

Rx sensitivity: -90dBm

Operating voltage: 9 -16DCV

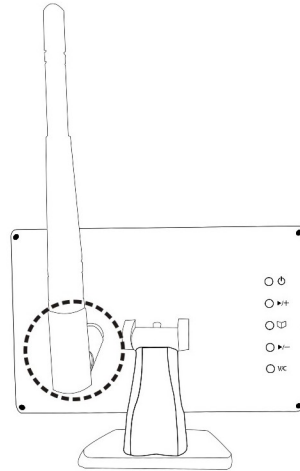
Operating frequency: 2400-2483.5MHz

Transmission bandwidth: 20Mbps (Max)

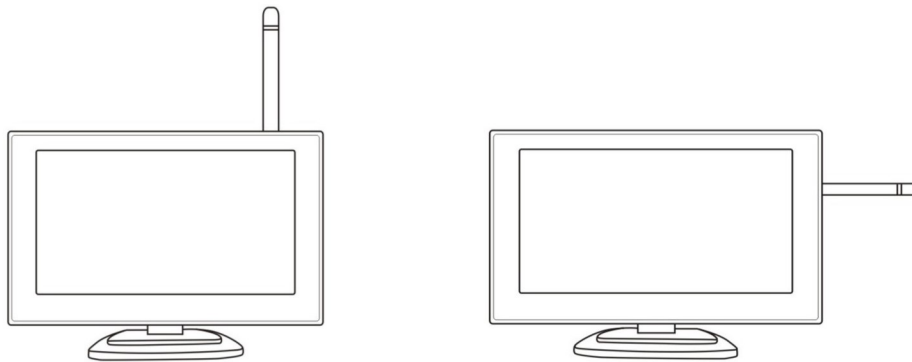
Operating Temperature: 14° F~122° F

Modulation Mode:BPSK、QPSK、16-QAM、64-QAM

Attach antenna as illustrated below:

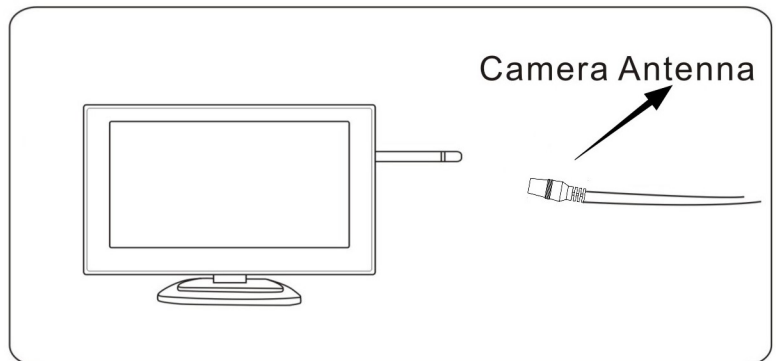
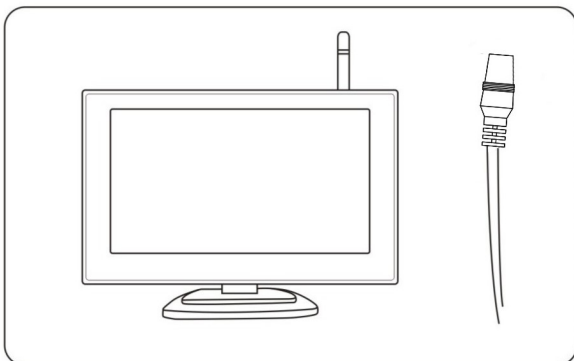


Please adjust the antenna on the monitor when you need to strengthen the WiFi receiving signal of the monitor.



Tips for antenna placement:

1. When the TX antenna of the camera is vertical direction, the RX device of monitor should be pointing vertical accordingly to get the best signal.
2. When the TX antenna of the camera is pointing horizontally, the RX device of monitor should also be horizontally to get the best signal.



NOTICE: The VTC525R is a recommended wireless solution for Coupes, Sedans, SUVs, Vans and Trucks.
NOT RECCOMENDED FOR TRAILERS