Wireless 3.5" LCD Reversing Camera Kit

OWNER'S MANUAL

QM-3796

IMPORTANT:

READ THESE INSTRUCTIONS BEFORE USE AND RETAIN FOR FUTURE REFERENCE.

The Wireless Camera and Monitor,when used as described, will improve your ability to see behind your car,truck,RV,ormini-van.We have taken numerous measures in quality control to ensure that your product arrives in top condition,and will perform to your satisfaction.

Before You Install

Automotive video equipment installations can be difficult at times, even to the most experienced of installation technicians. If you are not confident working with 12 volt DC vehicle wiring, removing and reinstalling interior panels, carpeting, dashboards or other components of your vehicle, contact the vehicle's manufacturer, or consider having the Wireless Camera and Monitor professionally installed.

This device, as well as all other wireless devices, may be subject to interference. Interference may be caused by cell phones, Bluetooth headsets, Wi-FI routers, power lines and other various electrical equipment, etc.

Parts

1. Monitor and Mounting Arm

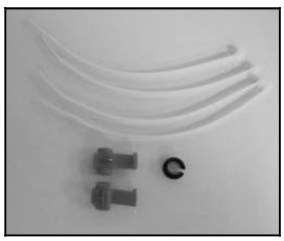
2. Camera with mount bracket

3. Transmitter Box

4. Monitor Power Cable

5. Transmitter Box Power Cable

6. Mounting Accessories



Installation

These instructions do not apply to all vehicles. They are only meant as a general guide due to the number of different makes & models.
For vehicle specific questions contact your vehicle's manufacturer.

MONITOR INSTALLATION

When choosing a location to mount the monitor, make sure the monitor is in an area that will not obstruct your vision while driving.

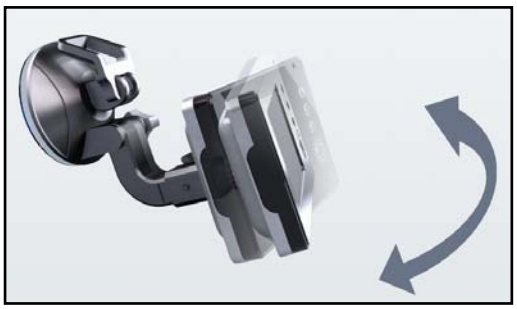
Choose a Location and Install Power Cable

1. Temporarily place the monitor in the location that you have chosen
2. Route the power cable to the vehicle's cigarette lighter socket/12V power outlet. The cable must not interfere with the safe operation of the vehicle.

Mounting the Monitor

Before mounting the monitor, clean the mounting surface well.

1. Position the suction mount to the smooth surface which suits your requirement.
2. Press the suction cap against the smooth surface such as windshield or dashboard.
3. Press the lock down to attach and fix the mount to the surface.
4. Snap in the monitor to the suction mount.
5. Adjust the mounting arms to suit your view angle to the monitor and tighten the screws on the mount to fix the position.



To maximize the effectiveness of the suction mount, it is recommended that the application be performed under the following conditions:
Surface temperature should be between 70°F and 100 °F (21 °C and 38 °C).
Application below 50 °F (10 °C) should be avoided.
Application should not occur in direct sunlight.

Mounting should be protected from exposure to direct sunlight for a period of 24 hours.

NOTE: UNDER EXTREME BRIGHT LIGHT CONDITIONS, THE SCREEN IMAGE MAY TAKE A FEW SECONDS TO STABLIZE. PLEASE WAIT UNTIL THE IMAGE HAS STABLIZED BEFORE BACKING UP.

MONITOR POWER CONNECTION

Use the 12 Volt cigarette lighter adaptor plugged into the vehicle's cigarette lighter socket.

Power Cable with 12 Volt Cigarette Lighter Adaptor

1. Insert the small 12 Volt DC plug of the power cable into the right side of the monitor.
2. Plug the 12 Volt cigarette lighter adaptor into the vehicle's cigarette lighter socket.

CAMERA INSTALLATION

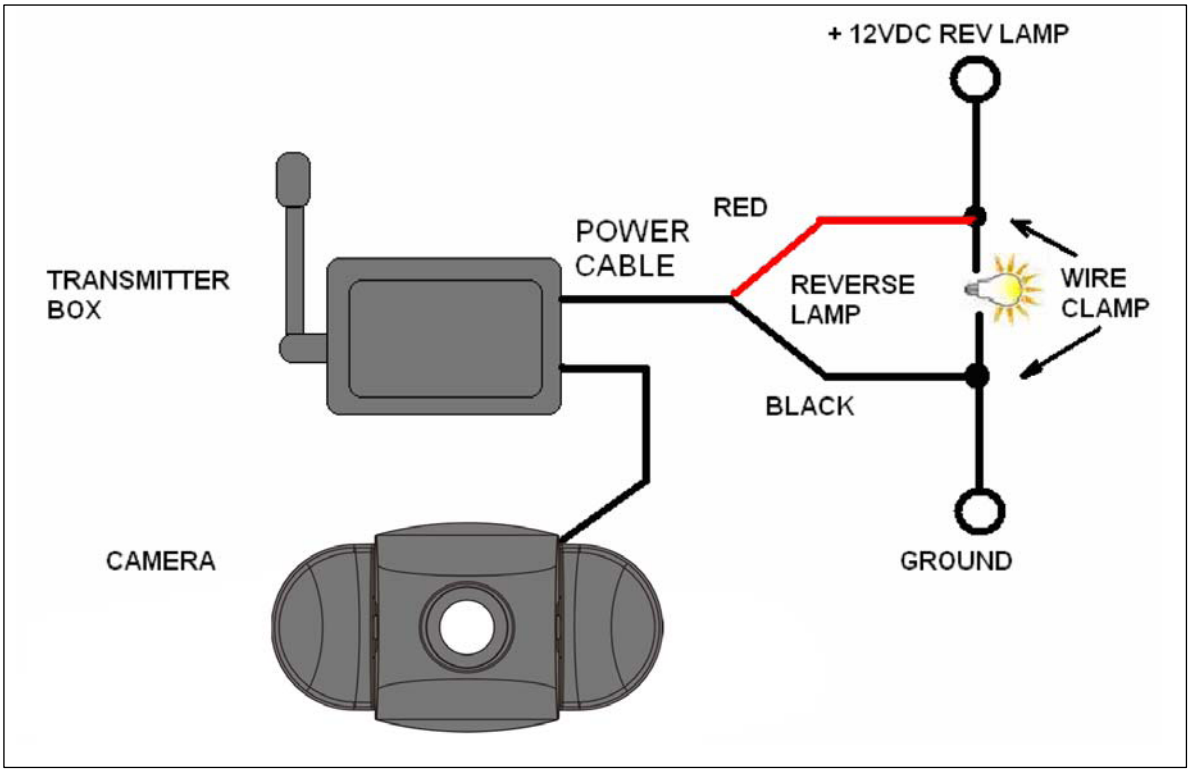
You can mount the camera using the supplied double side adhesive tape.
Ensure the camera viewing is not obstructed.

1. Remove one of the cover papers of double side adhesive tape, stick to the camera mount bracket front side.
2. Then remove the other side cover paper of adhesive tape, stick the camera to the back of license plate.
3. Choose a routing path for the camera's power cable through the vehicle's body to the reverse light circuit. If in doubt, seek professional installation assistance.
4. Some vehicles may have a hole to pass the wire through. For example, the location of the license plate light is mounted, or you can drill a hole close to the power cable that will attach to the camera. Once you have determined where the cable will enter the vehicle's trunk, remove the license plate with camera. If you are able to use an existing opening or hole, skip the next two steps.
5. If you are going to drill a hole, choose a location as close to the camera where the power cable comes out. Before you drill a hole you MUST CHECK WHAT IS BEHIND THE DRILLING LOCATION. If there are any vehicle components, like electrical parts or fuel system components behind the drilling location, you must take precaution not to damage them. Remove the license plate and camera before drilling.
6. After you have drilled a half inch (1/2") hole, pass the camera wire connector through the hole into the vehicle and place the grommet in the hole around the camera wire. You must use the grommet to prevent the metal edge of the hole from cutting the camera cable.
7. Mount the transmitter box inside the trunk. Connect the camera cable and the power cable to the transmitter box.
8. Find 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 white lights are located.

   To locate the reverse light's 12V+ wire, it is necessary to access to the rear part 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.

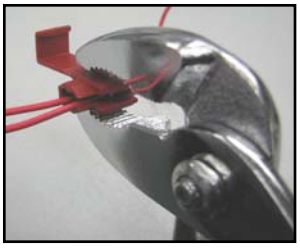
9. Once you have located the reverse light circuit, you need to route the power cable supplied to that location. Fasten the power cable securely to prevent it from being caught on any vehicle component like the trunk hinge. **Never** route the cable on the outside of the vehicle.
10. Locate reverse light socket and remove light bulb. There are two wires connected to the reverse light sockets on most vehicles. Usually the negative wire is black and the positive wire is a colored wire. If you are uncertain about the wiring, use a 12 volt multimeter (available at most auto parts stores) to determine which wire is positive. Follow the manufacturer's instructions for the safe use of the multimeter.



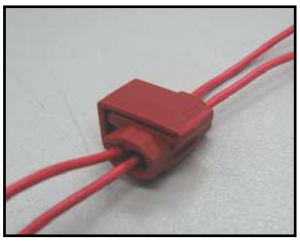
11. After determining which wire is the positive and which is the negative, turn off the ignition key, then remove the battery's negative cable.
12. Splice the red wire using the supplied wire clamp to the reverse light's positive (+) wire. Use a set of slip joint pliers to squeeze the METAL BLADE and insure good connection of both wires.

Insert the existing wire to be tapped to the clamp.

Insert the wire to be attached to the clamp.



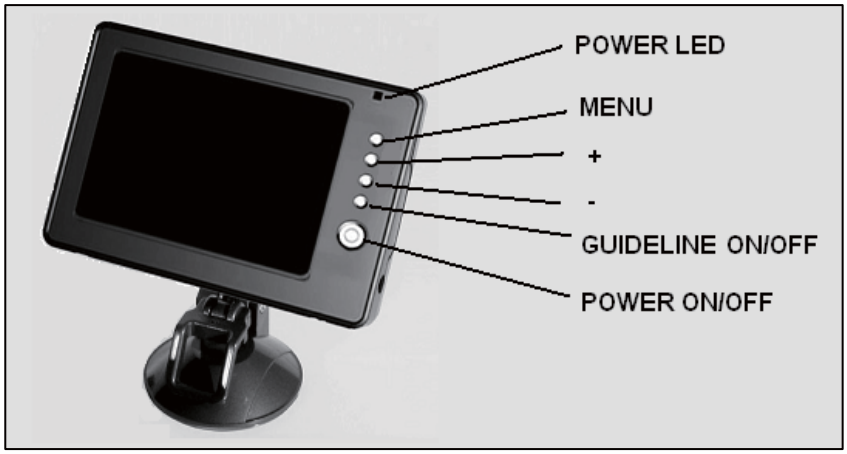
Crimp clamp with pliers, then close lock



Wire Clamp after locking

13. You may not need to use the wire clamp. The power cable can be wired directly to the reverse light circuit by stripping the reverse light wires then twisting the camera 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. If in doubt, seek professional installation assistance.
14. Next splice the black wire of the transmitter box's power cable to the reverse light's negative (-) wire or ground.
15. Replace the reverse light bulb and re-install the light socket. Secure all the wires with cable ties or electrical tape. Reattach the negative battery cable to the battery afterwards.

MONITOR CONTROLS



The monitor will automatically turn ON when the vehicle is in reverse gear. Also, there are 5 control buttons available for user to have their controls.

Power On/Off Button - BLUE LED Power Indicator

Press POWER ON/OFF button to supply power to monitor. When monitor image is ON, the blue LED will be lit. If there is power to the monitor but the monitor image is off, the blue LED will blink on and off. When the monitor power is OFF, no picture can appear on the screen and the blue LED will be off.

When power supplied is on, the monitor will automatically turn ON and an image will appear when the vehicle is in reverse gear. There are 5 settings available for the user to control the screen image.

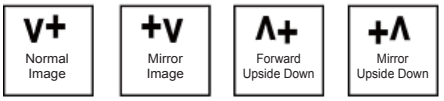
MENU, + and - Buttons

Press **MENU** button to enter the menu screen as shown below:

Repeat pressing **MENU** button to select BRIGHTNESS, CONTRAST or COLOR or DIRECTION controls.

Press **+** button or **–** button to adjust settings within the control selected. Press the **+** button to increase the value and the **–** button to decrease the value.

To change the orientation of the screen image, press MENU button until DIRECTION is selected. Then press + or – repeatedly until desired screen orientation “left to right”, “right to left” or “upside down” is achieved.



The different views allow you to mount the camera and / or monitor either right side up or upside down and still display the image correctly on the monitor. The image displayed should match your rear view mirror.

To exit the menu screen, select EXIT on the screen using the MENU button and press either + or – to exit the menu screen.

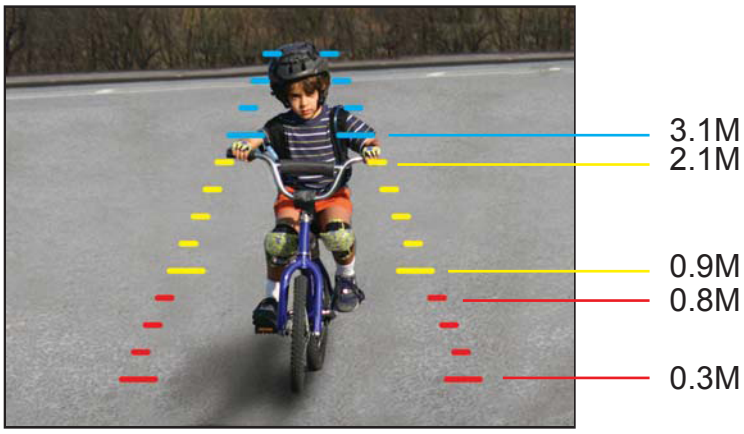
Guideline ON/OFF

Press GUIDELINE ON/OFF button to switch ON or OFF the on-screen-display guideline.

Distance Gauge

Condition: Assuming the camera is fixed on license plate at position:
1) horizontal or parallel to floor
2) 45cm from floor

Distance Gauge



TESTING THE SYSTEM

1. Reattach the vehicle's negative battery cable.
2. Turn the ignition key to the accessory position, do not start the vehicle.
3. Engage the parking brake, put the shifter in the reverse position.
4. Look at the monitor, if the image does not match your rear view mirror press the Image Orientation button on the monitor to correct the image.
5. After testing the unit and you are satisfied with the route you have chosen for the cabling, you must permanently install it.
6. Fully tighten the license plate bolts.
7. Route all wires behind interior panels or under carpeting so they are hidden.
8. Use supplied cable ties to neatly gather any excess wire.