



PLCM34WIR

Backup Camera & Monitor System

USER MANUAL

Please read all of the installation instructions carefully before installing the product. Improper installation will void manufacturer's warranty. The installation instructions do not apply to all types of vehicles, and are written as guidelines to assist in installing the system. Please consult an experienced technician if you are not comfortable installing the product. Prior to using and installing the Backup Camera System, please read the safety information provided in this user manual. Be sure to use the product as outlined in this user manual. Altercation or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

WARNING: Failure to read and follow these warnings and instructions may result in serious injury, including damaged property, so please pay close attention and exhibit the utmost care.

- The Digital Backup Camera is designed as an aid to the driver in detecting potentially hazardous driving conditions, obstructions, and large stationary objects. You, the driver, must also remember to drive safely and properly. Use of the Digital Backup Camera is not a substitute for safe, proper and legal driving practices.
- Never back up while looking only at your connected monitor display screen. You should always check behind and around the vehicle when backing up just as you would if the vehicle did not have the Digital Backup Camera. Always make sure your driving area is clear. Always back up slowly and with caution.
- Never depend on the Backup Camera entirely when backing up. The image on the monitor display screen may be slightly different from actual and real-time conditions. Objects viewed in the rear view monitor differ from actual distances because a wide-angle lens is used. So use the camera as an aid and always follow intended driving practices to properly judge distances from objects.
- The Backup Camera's assisted low lux lighting performance feature is also an aid to a driver. Always use your own eyes to confirm the vehicle's surroundings, as the displayed image may be not well lit or not entirely visible. Always proceed with caution and perform double-checks before proceeding.
- The area displayed by the Backup Camera is limited. It does not display objects that are close to or just below the bumper, underneath the vehicle, or objects out of the camera's view. The camera's view can change according to your vehicle's orientation on the road or changing road conditions.
- Be sure to check the camera is properly functioning, is properly positioned and securely mounted, every time you operate your vehicle.
- Make sure your trunk or hatch operates correctly, as intended, before and after installation.
- Proceed with caution when cleaning your vehicle around the camera. Avoid excess water exposure around the camera especially with spraying or a power washer.
- Please make sure to keep the camera clean and unobstructed from any debris
- Follow all traffic laws and motor vehicle regulations.
- Consult local laws and regulations for any restrictions on installation or use.
- Using a Backup Camera System is not adequate enough to completely eliminate a vehicle's blind spot. Always remember to drive with caution, following all traffic laws.

System Installation and Wiring

Notes:

Camera System installation on diesel vehicles **may** require a slightly different wiring install. These installation instructions do not apply to all types of vehicles. They are meant only as a general guide due to the large number of vehicle makes and models. Consult your local motor vehicle laws on the use of this product to be sure it is permitted.

Through installation of this backup camera system, you should be sure as to not degrade, damage or compromise the safety of any system or device on your vehicle.

Improper installation and wiring of the Vehicle Back-Up Camera system may damage the vehicle's electrical system, including vital vehicle computer and operating systems. That could lead to an accident or fire, causing property damage and /or serious personal injury. It is highly recommended to seek professional installation advice from a qualified auto electrician or, in the alternative, to have the installation performed by a qualified auto electrician.

Please ensure that monitor is secured and mounted where it would NOT obstruct any OEM vehicle safety features. In an event of an accident, manufacturer is not responsible for bodily injury caused by the monitor being a projectile. Select location for mounting the monitor in desired location. Ensure monitor location will not obstruct your vision while driving.

The manufacturer assumes no liability for damage caused to your vehicle due to improper installation or use.

Caution: This unit is designed to operate on a 12V/24V DC NEGATIVE GROUND electrical system. Connecting to other types of electrical systems will cause damage to your vehicle. Please contact the manufacturer if you are unaware of the system type in your vehicle.

Quick Installation:

The 2.4 G wireless modules come in two parts, they are used as the "Transmitter" and the "Receiver". When installing, the "Transmitter", should be connected to the camera (the camera is preferably mounted in the rear of the vehicle, just above the license plate). The transmitter and receiver come equipped with built-in power wiring cables. The receiver connects to the included display monitor. This receives the signal from the camera connected to the transmitter.

Connect the transmitter's red power wire, of the DC 12V input cable, to the positive 12V reverse tail light in the rear of your car. Then connect the black wire, of the DC 12V input cable, and ground properly. The transmitter then connects to the camera, and will supply power to the camera directly.

Next, connect the yellow RCA Video connector to the RCA Video output of the transmitter. Try to run this yellow video cable through the least obtrusive and non-interfering route. The transmitter will automatically broadcast the video signal to the receiver wirelessly once activated (once your vehicle is placed in reverse).

Then, grab the other wireless module (receiver) and use the red wire, of its DC 12V input cable, to connect this to your vehicle's fuse panel (preferably to the positive 12V ignition switch voltage) which will only be powered when your vehicle is on, or activated by key. Then connect the black wire of the DC 12V input and ground properly. The receiver should be connected to the monitor, and will supply power to the monitor directly.

Note:

The white video input connector on the monitor display screen is available for connecting an additional monitor display screen. The wireless receiver automatically retrieves the video signal from the connected wireless transmitter when activated. Video sources (V1/V2).

Installation Transcript:

1. Locate the reverse taillight wiring behind your vehicle's reverse light. You may need to remove an interior panel, or other cover, in order to locate the wiring. Connect a wireless module to the reverse light.
2. Connect the camera to the wireless module, then mount the camera in the desired location.
3. Mount the display monitor.
4. Connect the other wireless module to the display monitor (installed to the fuse panel of the vehicle)
 - 12V ignition control line, this line receives power 12V with key on loses power with key off.

Camera Connection (Using the Wireless Transmitter):

- a. Connect the wireless module's Red wire to your vehicle's reverse light positive wire.
- b. Connect the wireless module's Black wire to your vehicle's reverse light negative wire.
- c. Ensure the wires are safely and securely connected, with proper isolation applied to all connections.
- d. Determine the best location to mount the wireless modules, as they are not waterproof and need a safe and secure location.

Monitor Connection (Using the Wireless Transmitter):

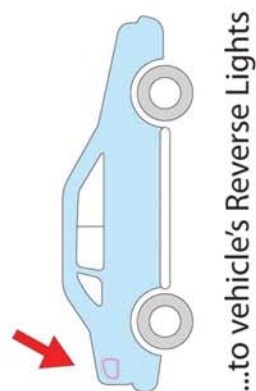
- a. Connect the other wireless module's Red wire to your vehicle's reverse light positive wire.
- b. Connect the other wireless module's Black wire to your vehicle's reverse light negative wire.
- c. Ensure the wires are safely and securely connected, with proper isolation applied to all connections.
- d. Determine the best location to mount the wireless modules, as they are not waterproof and need a safe and secure location.

*This rearview backup camera system also includes wiring cables that allow you to install the system via optional hard-wired connection, with the included power wiring cables (Refer to installation diagrams).

Notes:

- Determine the best location for the camera (Keep in mind that you must run the cable from the camera to the transmitter). You may need to drill a small hole in the panel near your license plate (The camera is preferably mounted just above the license plate).
 - Be sure when running the connection cables to leave a small amount of slack so you can still move the camera around the license plate, if you decide to slightly adjust the camera's positioning at a later time.
 - Test the camera and monitor system once you have completed installation. Activate your car and turn the key into the accessory position. Your connected monitor will automatically power on if properly connected to a power source. Placing your vehicle in reverse should provide a picture.
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PLCM34WIR



Red (12V DC)
Black (Ground)

Transmitter

Yellow (Video)

Power (12V DC)



Red (12V DC)
Black (Ground)

Receiver

Yellow (Video)

Power (12V DC)



Power
Connection
Optional
Monitor
Connector

Power Cable
...to vehicle's 12V Ignition Switch

Power Cable
...to vehicle's Reverse Lights

Yellow (Video)

Red, Power (12V DC)

RCA Video Cable

*Optional Hard-Wired Installation



Power Cable
...to vehicle's Reverse Lights

Power Cable
...to vehicle's 12V Ignition Switch

Power
Connection
Optional
Monitor
Connector

RCA Video Cable

Red, Power (12V DC)

Yellow (Video)

Power (12V DC)

Yellow (Video)

Receiver

Red (12V DC)
Black (Ground)



Red (12V DC)
Black (Ground)

Transmitter

Yellow (Video)

Power (12V DC)

