



What is Hardwire kit?

Hardwire kit is a power management device that provides power to your dash camera from your car's battery via fuse box. You can keep your dash camera continuously running even after your engine is turned off or utilize the parking mode, motion detection and time-lapse feature that most Elinz dash camera come preinstalled with. If you want to operate the dash camera when the car is turned off you need to factor in battery usage.

What is Parking Mode?

Parking Mode is a term for any recording done while your engine is off and your car is parked. Parking mode recording is also referred to as "Sentry Mode," "Parking Surveillance" or "Parking Guard." Typically found only in premium dash cameras, parking mode provides around-the-clock protection and surveillance for the vehicle.

Parking Mode acts as a surveillance system when your vehicle is parked and left unattended. We highly recommend not to disable parking mode unless you are confident that the vehicle is parked somewhere safe. Example: in a covered garage at home.

Features

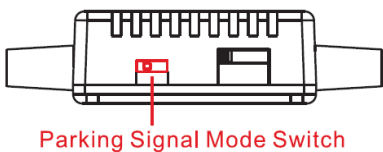
Stable Power Output

This device is also a step-down converter. It has a built-in precision switching power supply module to ensure the output is set as stable 5V through the USB connector. It is compatible on both 12V and 24V vehicles.

Parking Guard Signal

It detects vehicle's ACC status and sends the signal to your dash camera, with this feature your dash camera will automatically switch to parking guard mode. This mode is compatible with most dash cameras with parking guard feature.

If you find your dash camera working on an opposite parking recording mode (dash camera is recording normally when vehicle is off and parking recording while driving) Please slide the parking signal mode switch to the other side.



Vehicle Battery Drain Protection

This hardwire kit will prevent your dash camera from draining your vehicle's battery. If battery voltage gets too low, Elinz Hardwire Kit will stop powering your camera which leaves you with enough power to start your car.

Specifications

Total Cable Length: 4 Meters (input 1 meter, output 3 meters)

Input Wires: POWER/GROUND/ACC

Input Voltage: Typical DC 12/24V, MAX DC 36V, auto detecting

Output Connector: Micro USB plug, DC 5V, 2A

Battery Drain Protection Options: 11.8V/12V/12.2V/12.4V for 12V Battery
23.6V/24V/24.4V/24.8V for 24V Battery

Working temperature: -20 C to 60 C (-4 F to 140 F)

Control Box Dimension: 40 x 25 x 15mm

Protection: Low Voltage Protection, Over Voltage Protection,
Over Temperature Protection, Short Circuit Protection

WARNING

Before you begin - We recommend this type hardwire kit installation should be performed by a qualified individual or qualified business only. Working with your vehicle's electrical system can be dangerous both to you and your vehicle's safety. If all of this is new to you and you don't feel confident working with your vehicle's fuse box, please consult a professional.

Always refer to the vehicle owner's manual to avoid fuse slots that could pertain to important safety features within your vehicle. For example, avoid fuses that controls airbags, ABS, stability control programs, etc. Fuses that control certain elements such as the radio, door lights, garage door opener, sunroof, etc. are usually safe to use.

Installation

Step 1. Locate Your Fuse Box - Check your car owner's manual for the location of the fuse box. Depending on the model of your vehicle, you may need to remove some trim or open some panels to gain access to the fuses.



Step 2. Find correct Fuse Slot - In this step you need to understand which fuse slot to use. You will need to find a constant and switched fuse slot.

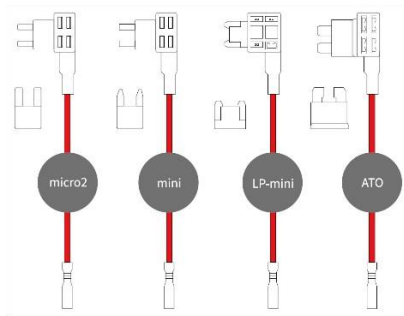
- A. **Constant fuse slot** always has power even when the ignition is off (RED wire will go there).
- B. **Switched fuse slot** is only powered when you turn your key to ACC position (YELLOW wire will go there)

We suggest using a circuit tester to test which fuse is constant and which is switched fuse slot. The circuit tester will light up when poking into the port or on top of the constant fuse, vice-versa for the switched fuse.

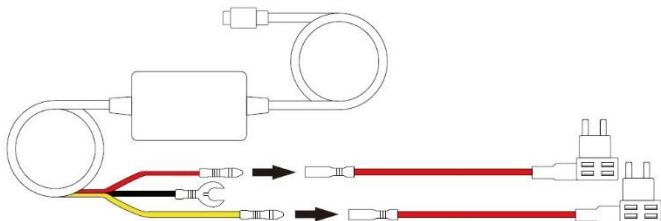
Step 3. Identify the correct type of fuse - There are two easy ways to identify the type of fuse that your car uses.

- A. Remove one of the fuses from your car's fuse box and match it with one of the fuse taps in the picture below. Make sure to insert it back where you removed it from. Or B. You can refer to the owner's manual for your car to find out the specific type of fuse that you will need to use.

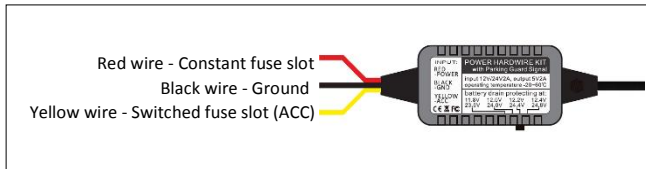
There are 4 variations of fuse taps we carry: Micro2, Mini, Low-profile Mini and ATO.



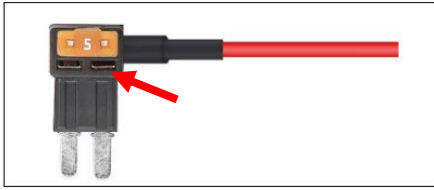
Step 4. Connect one fuse tap to the Yellow wire and another fuse tap to the Red wire. Make sure to use the correct type of fuse taps that your vehicle requires.



Step 5. Simply insert the fuse taps into the previously identified fuse slots.



Note: If you are using the previously identified fuse slot that has existing fuse in it, then insert that fuse into the lower slot of the fuse tap in correct orientation. However, if your previously identified slot is empty and there is no existing fuse, then you can just install the fuse tap directly without needing to install 2nd fuse into the empty slot of the fuse tap.



Step 5. Look for a good grounding point and secure the Black wire with screw.



Step 6. Tuck all the wires in to your car and run to your camera. - We recommend taping or zip tying the excess wires out of the way in your vehicle so it doesn't block any access to your fuse box.

If your vehicle has side curtain airbags please be very careful when running any cables along your vehicle windows. Ensure you are not running cable past any of the airbags as this can prevent the airbags from deploying.

⚠ IMPORTANT:

If you are using a dash camera **with** Parking Guard Function

- It is recommended to connect the RED wire of the hardwire kit to a constant fuse slot and Yellow wire to Switched fuse slot (ACC) so the camera can automatically switch between normal recording while you are driving and parking recording when your vehicle is parked.
- But you can also connect both Red and Yellow wires to constant fuses to force the camera to continuously record even your engine is off and your car is parked.
- Or you can also connect both Red and Yellow wires to Switched fuse slots so that the camera will only turn on every time the vehicle is on.

If you are using a dash camera **without** Parking Guard Function

This hardwire kit can be used as regular hardwire kit, no need to connect the Yellow wire.

- You can connect the RED wire to a Switched fuse slot so camera can record every time the vehicle is on and will automatically turn off when the vehicle is off.
- Or connect the RED wire to a constant fuse slot for continuous recording.

Troubleshooting Guide

Dash camera not turning on?

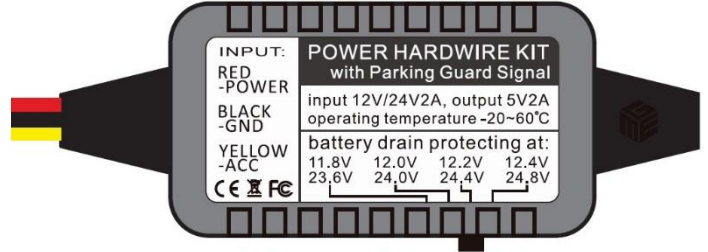
- Check the fuse taps if it's installed correctly.
- See if there is a fuse into the top fuse slot of the fuse tap.
- Check the condition of the fuse, replace if necessary.

Dash camera works intermittently?

- Check the connections.
- Check the ground, if the grounding point is loose or weak it may result in restarting when the vehicle hits a bump.
- Make sure to secure the grounding wire (Black wire) to any non-painted metal chassis with screw.

You have four different configuration that you can choose from, the minimum voltage cut-off is 11.8VDC for 12VDC battery and 23.6V DC for a 24VDC battery. The regulator will cut off the power to your dash camera which leaves you with enough power to start your car. Please select the Cut-off switch to the level you prefer, this will disconnect the power to the dash camera when the battery's voltage drops to the level you set.

Four Options of Low Voltage Protection:				
For 12V Battery:	12.4V	12.2V	12V	11.8V
For 24V Battery:	24.8V	24.4V	24V	23.6V



Warranty and Customer Support

We provide 12 month limited warranty for your product from the date of purchase to be free from defects in materials and craftsmanship. Please read and understand the instructions before using this product. If any damage is caused by failure to follow the instructions, the warranty will be voided. For questions, support or warranty claims please email us at sales@elinz.com.au with your Order number.