

# MIOFIVE

## DASH CAM Hardwire Kit User Manual

These instructions provide the necessary information to install the Dash Cam Hardwire Kit properly and safely within your vehicle. Before beginning the installation process, please read these instructions carefully.

**Safety Precautions:**

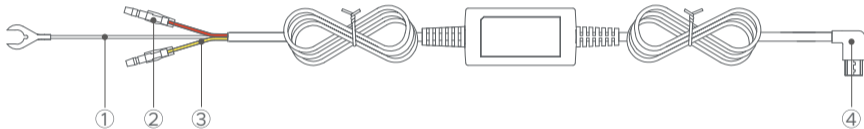
- Perform the installation with the ignition in the OFF position.
- Do not strip any live wires.
- Correct electrical polarity and grounding is required for safe and proper installation.
- Only connect to a negative ground DC supply circuit.
- Not for installation to positive ground circuits.

**Warnings:**

- Failure to use the supplied installation parts and/or hardware will void the product warranty.
- Failure to connect the product as instructed may result in discharge of the vehicle battery.
- Failure to follow these safety precautions and instructions could result in damage to the product and/or vehicle, which will not be covered under the product warranty or the manufacturer's warranty.

## What's in the box

### Hardwire Kit



① Black wire. (GND) Ground connection.

③ Yellow wire. (B+) Continuous power.

② Red wire. (ACC) Ignition-switched.

④ Micro USB power connector.

Fuse Tap x 8 (Regular Fuse x 2, Mini Fuse x2, Low-Profile Mini Fuse x2, Micro2 Fuse x2)



Blade Fuse x 8 (Regular Fuse x 2, Mini Fuse x2, Low-Profile Mini Fuse x2, Micro2 Fuse x2)



Regular



Mini



Low-Profile Mini



Micro2

**Note:**

Alias of type

- Regular, standard, ATS/ATO Fuse, ACU
- Mini Fuse, (APM / ATM), ACS
- Low-Profile Mini Fuse, LP-mini (APS), ACN
- Micro2 Fuse, M2

## **Installation Guide:**

### **[Locating the fuse box]**

1. Locate the fuse box within your vehicle. This is usually within the passenger compartment but it may be in the engine bay. Typically there will be a chart detailing the fuse layout within the fuse box, or this will be listed in the vehicle operating manual.
  - 1) Each car model has a different fuse box location. Double check where it is located within your car.
  - 2) Some luxury brand cars and/or imported cars can have multiple fuse boxes located in the left/right side of the vehicle. For hardwiring purposes, it may be more reliable to connect the hardwiring cable to the front passenger seat side.
2. Checking the hardwiring cable (ACC, B+) and fuse:
  - 1) Before connecting the ACC / B+ (continuous) cables, use a circuit tester to identify the cables and corresponding fuses. Make sure the fuses are functioning by turning the ignition on and off.
    - ACC : If the car key is in ACC or On, then the current will flow. If it is Off, then no current will flow.
    - B+ : Regardless of whether the car key is ON/OFF, the current will always flow.
    - GND : Connect (ground) to the metallic parts on the frame near the fuse box.

## [How to connect the fuse box]

**Note:** Professional knowledge required! If in any doubt, please consult a vehicle technician prior to starting installation.

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

1. Once the proper fuses have been selected, connect one wire from your hardwiring kit to a constant fuse (Yellow), whereas the other wire will go into an ACC/ignition-switched fuse (Red). You will need 2 Fuse Tabs for your hardwire installation (one for a constant fuse, and another for the ignition-switched fuse). Once everything is complete, the Fuse Tabs simply needs to be put back into the slot that the fuse was taken out of.

- Connect the cable into the other end of the Fuse Tap with one type of Fuse Taps that your vehicle requires.



Fuse Tap



Hardwire Kit

- Crimp them down together to make the connection. Once the crimping is done, use some force to tug on the Fuse Tap and wire so that nothing is loose. If everything feels tight, then the crimp is good and the connection is properly made.

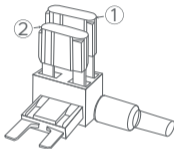


Fuse Tap

Hardwire Kit



- The included fuse tap is meant to be put into the ① position, while the fuse that you select from your fuse box goes into the ② position (only if you are using a slot with an existing fuse). If you set them up with the wrong order, it will not feed power to the hardwire kit.



2. Your last wire (Black) will go to the metal ground bolt. Please note the ground wire of your hardwiring kit does not need a Fuse Tab and only attaches to a metal ground bolt. It's best to read the labels carefully prior to proceeding. Check that it is not attached onto plastic parts. Make sure the nut or bolt you choice is non-coated. You will typically need a socket wrench to loosen the nut or bolt that you choose to ground with. To attach the grounding terminal, loosen the nut or bolt enough to slip it in and tighten it back up afterwards.

### 3. Common error

- Reversed orientation of the accessory and ignition switched wires:  
The dash cam will behave abnormally.
- Bad Ground: When an incorrect ground is used the camera won't get power. A loose or weak ground may result in restarting when the vehicle hits a bump.
- Blown Fuse: If the fuse is blown, the kit will not receive power. There might also be inline glass fuses on the cigarette cable or hardwire kit that can also be blown.

#### **[Installing the Camera Power Cable]**

1. Once you've hooked up the power and ground, plug the Micro USB power connector into your camera and start your vehicle to see if it works. Please test a few times to ensure everything is correct and stable. Turn the ignition on should power the dash cam. Once the dash cam is powered on, turn off the ignition and wait up to 30 seconds to verify that the device automatically turn to timelapse or parking monitor mode.

**Note:** We recommend you **NOT** to wait until after you've tucked away all your wiring to plug in and test your camera as it will typically be easier to troubleshoot when the wires are readily accessible.

2. Once the testing works well, you may run and tuck all the wires in to your car. Tidy and secure any excess cable to a convenient location to prevent rattles. Replace any removed trim from the vehicle and the fuse box cover, as required.

### **Protection Mechanism**

1. Low voltage fuse protection
2. Over voltage protection
3. Output short circuit protection
4. Output over-current protection
5. Electrostatic discharge (ESD) protection
6. Transient Protection

## **Specification**

Input Voltage: DC 9V~16V

Input Current:  $\leq 1.5A$

Output Voltage: 4.75V-5.35V

Output Current: 2.4A

Under voltage protection:  $11.4\pm 0.2V$

Over voltage protection: 30V

Over current Protection: 2.8A

Working Temperature:  $-4\sim 158^{\circ}F$  ( $-20\sim 70^{\circ}C$ )

Connector Type: micro USB

Cable Length: 3.5M/11.5FT

## **Customer Service**

18-month Limited Warranty

Life-time Support

E-mail: [support@miofive.com](mailto:support@miofive.com)