**ecomoment V3F**

# Ecomoment Type-C Dash Cam Hardwire Kit Instruction Manual

Model: V3F (Compatible with GT801, GT802, and other Type-C dash cameras)

## 1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Ecomoment Type-C Dash Cam Hardwire Kit. This kit is designed to provide a continuous power supply to your dash camera, enabling features such as 24-hour parking monitoring and protecting your vehicle's battery from discharge. Please read this manual thoroughly before installation and use.

## 2. Package Contents

Verify that all items listed below are included in your package:

- Hardwire Kit (with Type-C connector)
- Fuse Taps (various types)
- Blade Fuses (various sizes)
- Easy Pry Tool
- Quick Guide (separate document)


**Image 2.1:** Overview of the Ecomoment Type-C Dash Cam Hardwire Kit and included accessories, including the main cable, fuse taps, and pry tool.

## 3. Specifications

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|---|---|
| **Input Voltage** | DC 12V / 24V |
| **Output Voltage** | DC 5V / 2.5A |
| **Cable Length** | 11.5 ft (3.5 m) |
| **Connector Type** | Type-C USB |
| **Low Voltage Protection** | Adjustable cut-off voltage |
| **Special Features** | 24H Parking Monitoring, Multi-Protection System |

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| **Product Dimensions** | 1"D x 2"W x 1.5"H (Control Unit) |
| **Item Weight** | 4.6 ounces |

## 4. Safety Information

The Ecomoment Hardwire Kit is equipped with multiple safety features to ensure reliable operation and protect your vehicle's electrical system and dash camera. Adhere to all safety guidelines during installation and use.

- **Low Voltage Protection:** Automatically cuts off power to prevent vehicle battery drain.
- **Short Circuit Prevention:** Protects against electrical shorts.
- **Overheat Prevention:** Designed to prevent overheating during operation.
- **Cable Reversal Prevention:** Guards against incorrect wiring.
- Always ensure proper fuse selection and installation. Consult a professional if unsure about electrical work.


**Image 4.1:** Visual representation of the multi-protection system integrated into the hardwire kit, including safeguards against low voltage, short circuits, overheating, and cable reversal.

## 5. Installation Guide

This section outlines the steps for installing the hardwire kit. It is recommended to consult your vehicle's owner's manual for fuse box location and specific fuse types. If you are not comfortable with electrical installations, seek professional assistance.

### 5.1. Identify Fuse Box and Fuse Types

Locate your vehicle's fuse box. Determine the correct fuse type required for your vehicle (Micro Mini, Mini, Small, or Medium) to ensure proper connection with the included fuse taps.

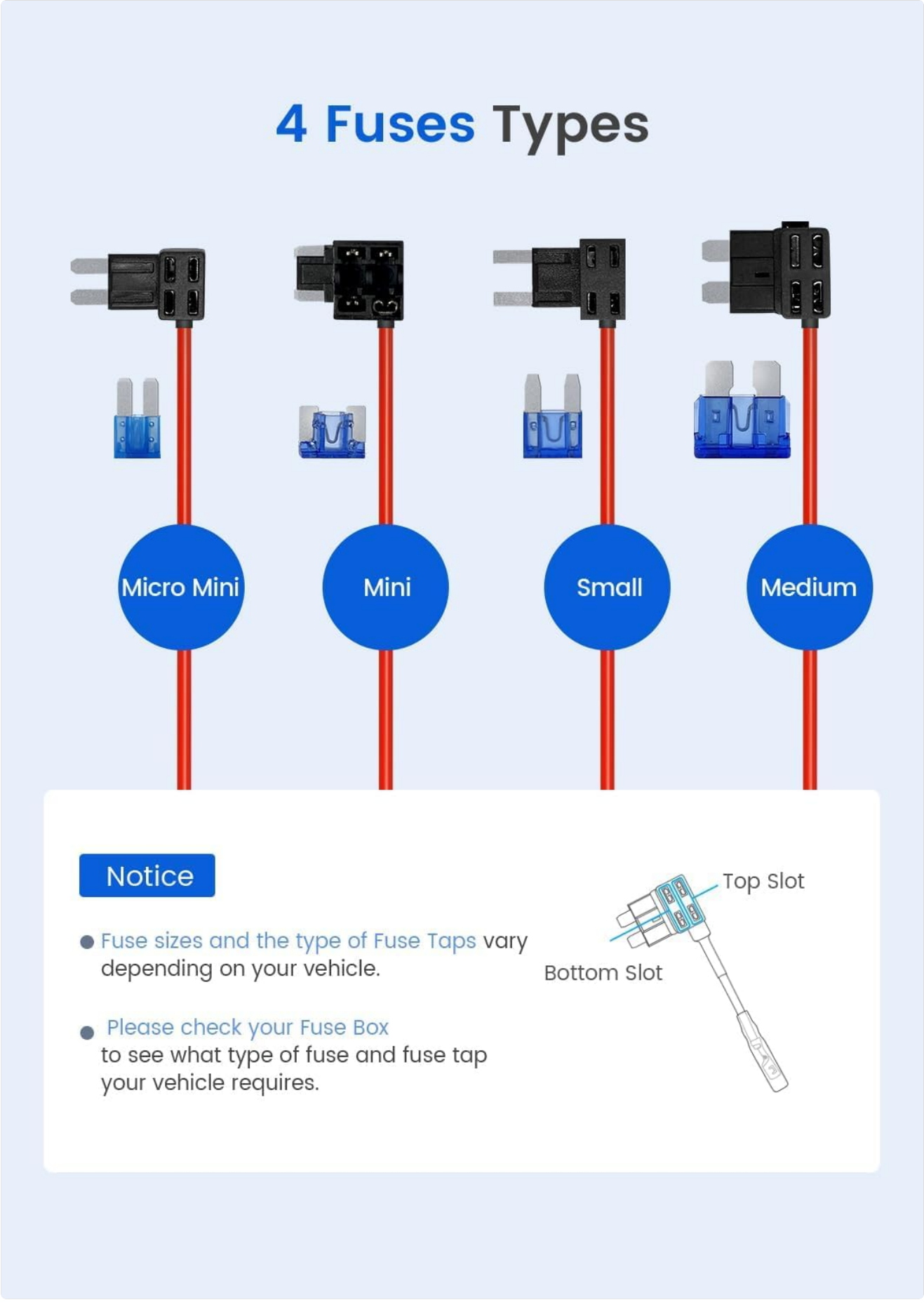


**Image 5.1:** Illustration of the four common fuse types (Micro Mini, Mini, Small, Medium) and corresponding fuse taps provided. Users should verify their vehicle's specific fuse requirements.

## 5.2. Wiring Connections

The hardwire kit has three wires: Red (ACC), Yellow (BAT+), and Black (GND-). These must be connected correctly

to your vehicle's fuse box and a ground point.

- **Red Wire (ACC):** Connect to an ACC (Accessory) fuse slot in your vehicle's fuse box. This slot provides power only when the ignition is on.
- **Yellow Wire (BAT+):** Connect to a constant power fuse slot (BAT+) in your vehicle's fuse box. This slot provides continuous power, even when the ignition is off, for parking monitoring.
- **Black Wire (GND-):** Connect to a metal ground bolt or screw on the vehicle's chassis. Ensure a secure connection for proper grounding.

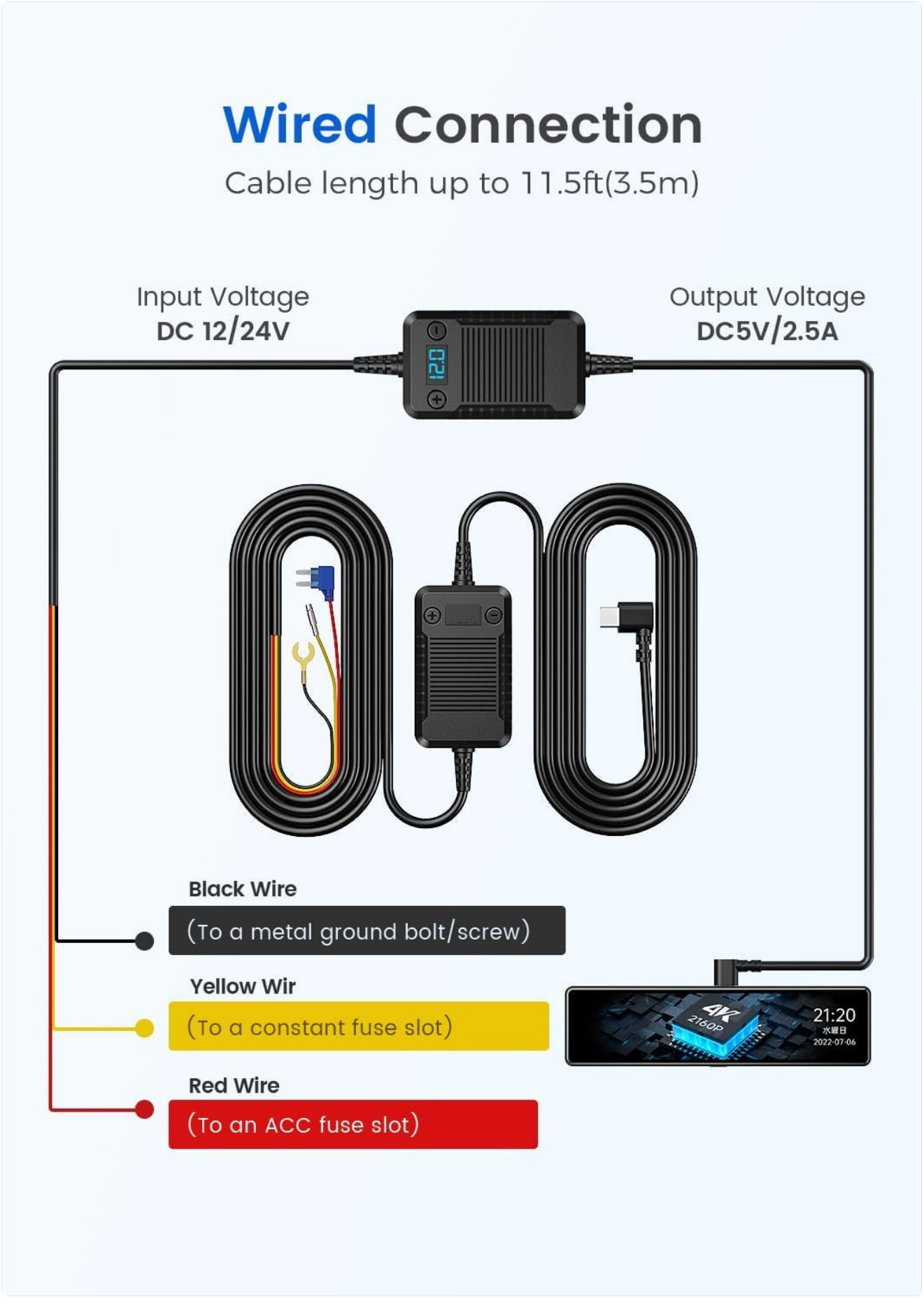


**Image 5.2:** Detailed wiring diagram illustrating how to connect the Red (ACC), Yellow (BAT+), and Black (GND-) wires to the vehicle's electrical system. It also shows the input (DC 12/24V) and output (DC 5V/2.5A) voltage of the hardwire kit.

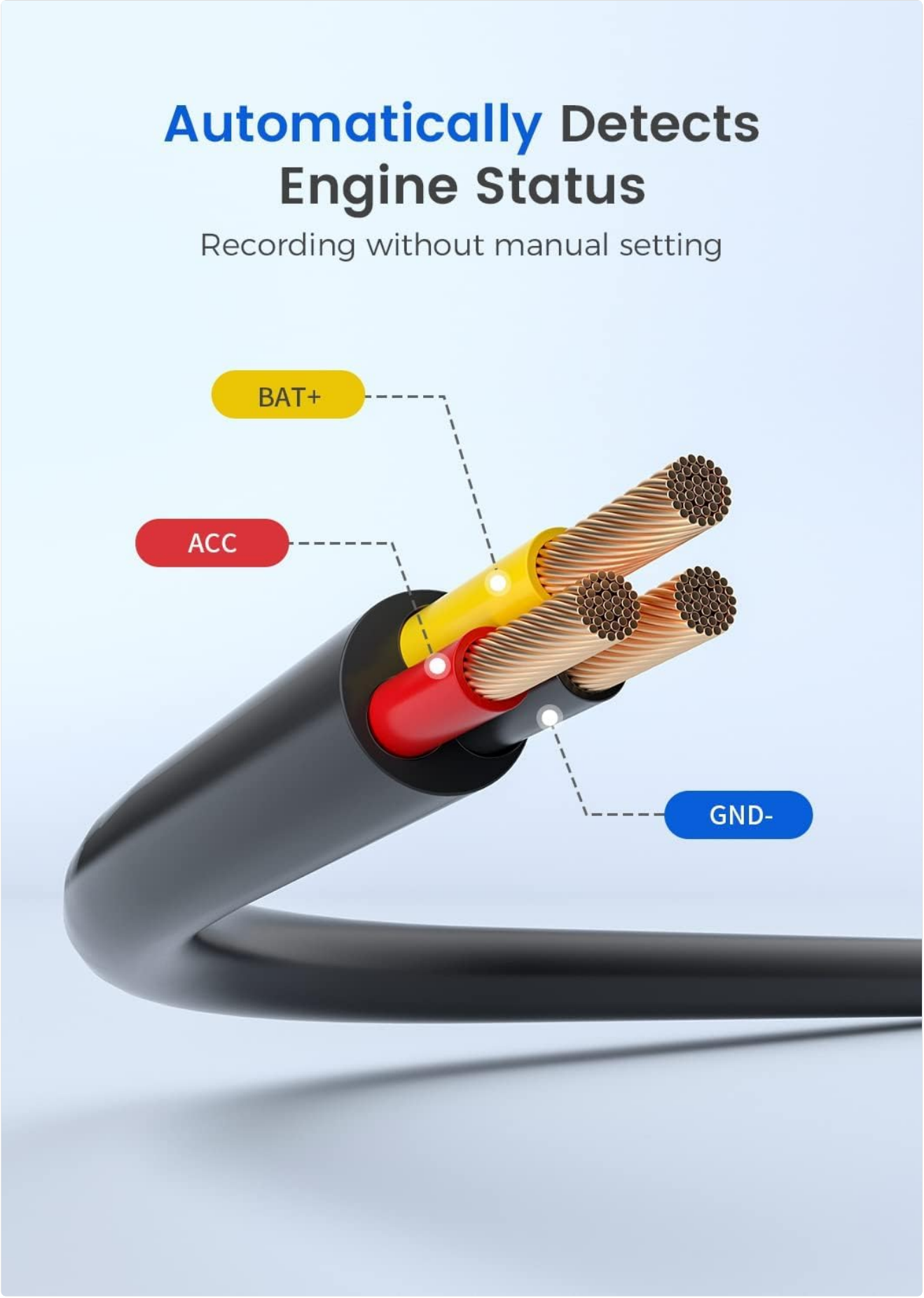


**Image 5.3:** A close-up view of the internal wiring of the hardwire kit, clearly labeling the BAT+ (battery positive), ACC (accessory), and GND- (ground) wires for correct identification during installation.

## 5.3. Connecting to Dash Cam

Connect the Type-C end of the hardwire kit cable to your dash camera's Type-C power input port.

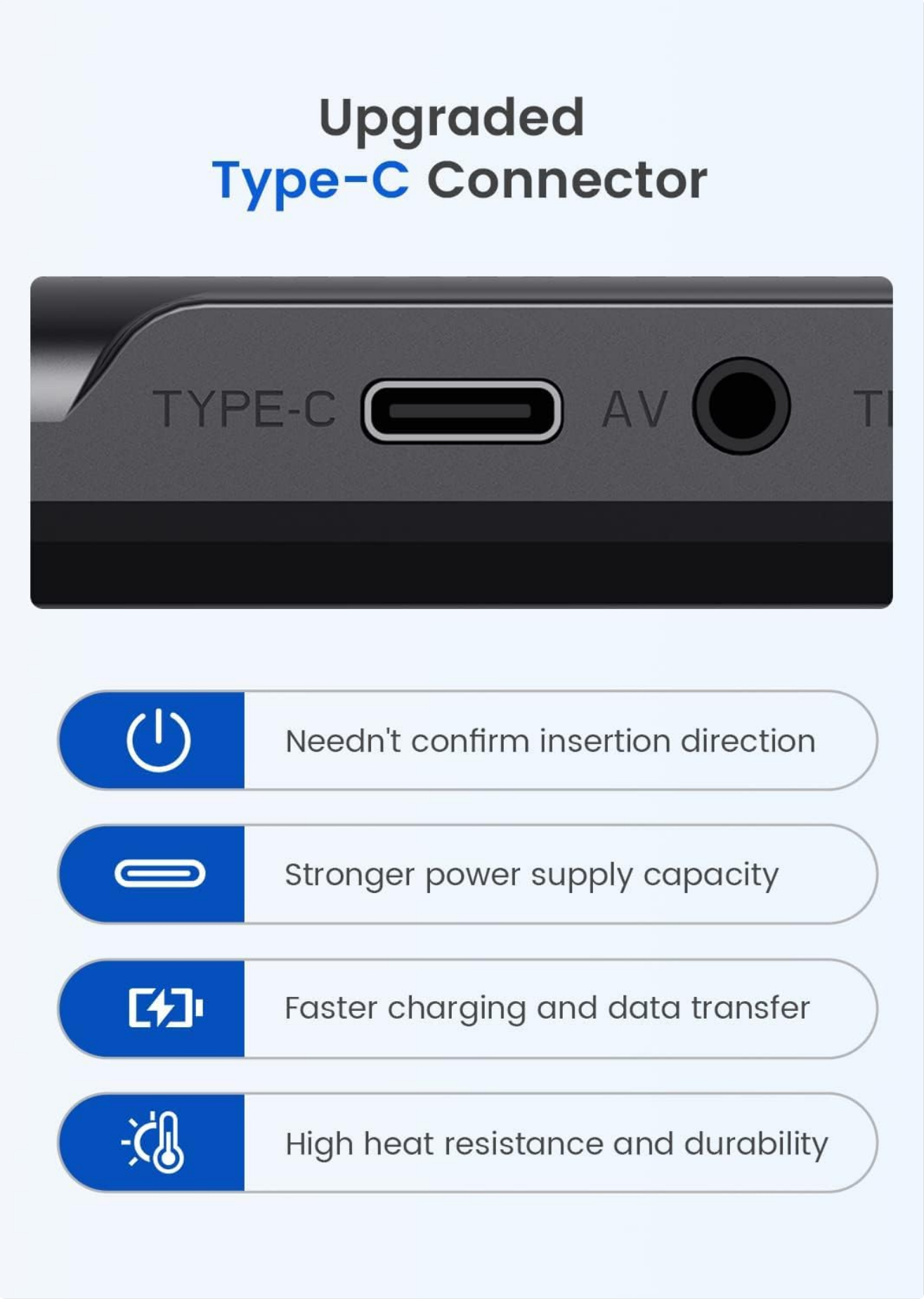


**Image 5.4:** This image displays the Type-C connector, emphasizing its benefits such as reversible insertion, enhanced power supply capacity, quicker charging and data transfer, and improved heat resistance and durability.

The Type-C connector offers several advantages:

- No need to confirm insertion direction.

- Stronger power supply capacity.
- Faster charging and data transfer.
- High heat resistance and durability.

### 5.4. Cable Routing

Route the cable neatly along the vehicle's interior trim using the provided pry tool to tuck it away, ensuring it does not interfere with driving or vehicle operations.

## 6. Operation

### 6.1. Adjustable Low Voltage Protection

The hardwire kit features adjustable low voltage protection to prevent your vehicle's battery from draining. You can set the cut-off voltage according to your preference and vehicle battery health.

- When the vehicle battery voltage drops below the set cut-off value, the hardwire kit will automatically cease power supply to the dash cam after approximately 1 minute.
- Use the '+' and '-' buttons on the control unit to adjust the desired cut-off voltage. The current voltage setting is displayed on the unit.


**Image 6.1:** The control unit of the hardwire kit, displaying the adjustable low voltage protection feature. It shows a digital readout of the voltage and buttons to increase or decrease the cut-off threshold.

## 6.2. 24-Hour Parking Monitoring

By connecting the yellow wire (BAT+) to a constant power source, the hardwire kit enables your dash camera to

operate and record continuously, even when the vehicle's engine is turned off. This provides 24-hour surveillance for parking monitoring.


**Image 6.2:** This image illustrates the 24-hour parking monitoring capability, showing a vehicle under continuous surveillance even when the engine is off, powered by the hardwire kit's constant power supply.

### 6.3. Automatic Engine Status Detection

The hardwire kit automatically detects the engine's status (on/off) and switches between driving mode and parking monitoring mode without requiring manual settings on the dash camera, provided the dash camera supports this functionality.

## 7. Troubleshooting

If you encounter issues with your Ecomoment Hardwire Kit, refer to the following common problems and solutions:

- **Dash Cam Not Powering On:**
  - Check all wiring connections (Red, Yellow, Black) for security and correct polarity.
  - Verify that the fuse taps are correctly installed in the fuse box and that the fuses are not blown.
  - Ensure the vehicle battery voltage is above the set low voltage cut-off threshold.
  - Confirm the dash cam itself is functional by testing it with a standard car charger.
- **Parking Monitoring Not Working:**
  - Ensure the Yellow (BAT+) wire is connected to a constant power fuse slot.
  - Check if your dash camera supports parking monitoring mode and if it's enabled in the camera's settings.
  - Verify the vehicle battery voltage is sufficient for continuous operation.
- **Battery Drain Issues:**
  - Adjust the low voltage cut-off setting to a higher value to protect the battery more aggressively.
  - Ensure the Red (ACC) wire is connected to a switched power source, not a constant one, to prevent the dash cam from drawing power when the ignition is off (unless parking monitoring is desired).

If problems persist after attempting these solutions, please contact Ecomoment customer support for further assistance.

## 8. Warranty and Support

Ecomoment products are designed for reliability and performance. We stand by the quality of our products.

- **12-Month Return/Replacement:** Our products come with a 12-month free return or replacement policy for the unit or any of its components if issues arise during use within this period.
- **After-Sales Service:** For any questions, comments, or requests, please feel free to contact us. Your feedback is valuable and helps us improve our products and services.

For support, please refer to the contact information provided in your Quick Guide or on the official Ecomoment website.

## Related Documents - V3F

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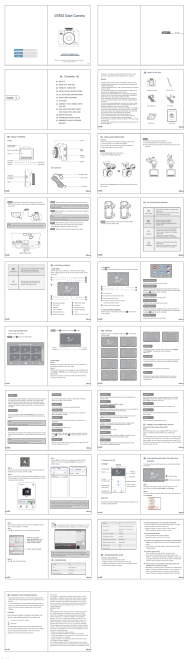
|  | Ecomoment GT802 Dual Dash Camera User Manual<br>User manual for the Ecomoment GT802 4K+1080P dual dash camera for cars, featuring built-in WiFi, GPS, a 2.4" IPS screen, 170° wide-angle view, night vision, WDR, G-sensor, and includes a 32GB SD card. |
|  | Ecomoment S70 Dash Cam User Manual<br>User manual for the Ecomoment S70 dual dash camera system, featuring 2.5K front and 1080P rear recording, a 3.16-inch IPS screen, 170° wide angle, night vision, G-sensor, and 24-hour parking monitoring. |