

VIOFO HK6

VIOFO HK6 Type-C Hardwire Kit Instruction Manual

For A329S Series and A119M Pro Dashcams

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VIOFO HK6 Type-C Hardwire Kit. This kit is designed to provide continuous power to compatible VIOFO dashcams, enabling advanced parking surveillance features and protecting your vehicle's battery from discharge. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

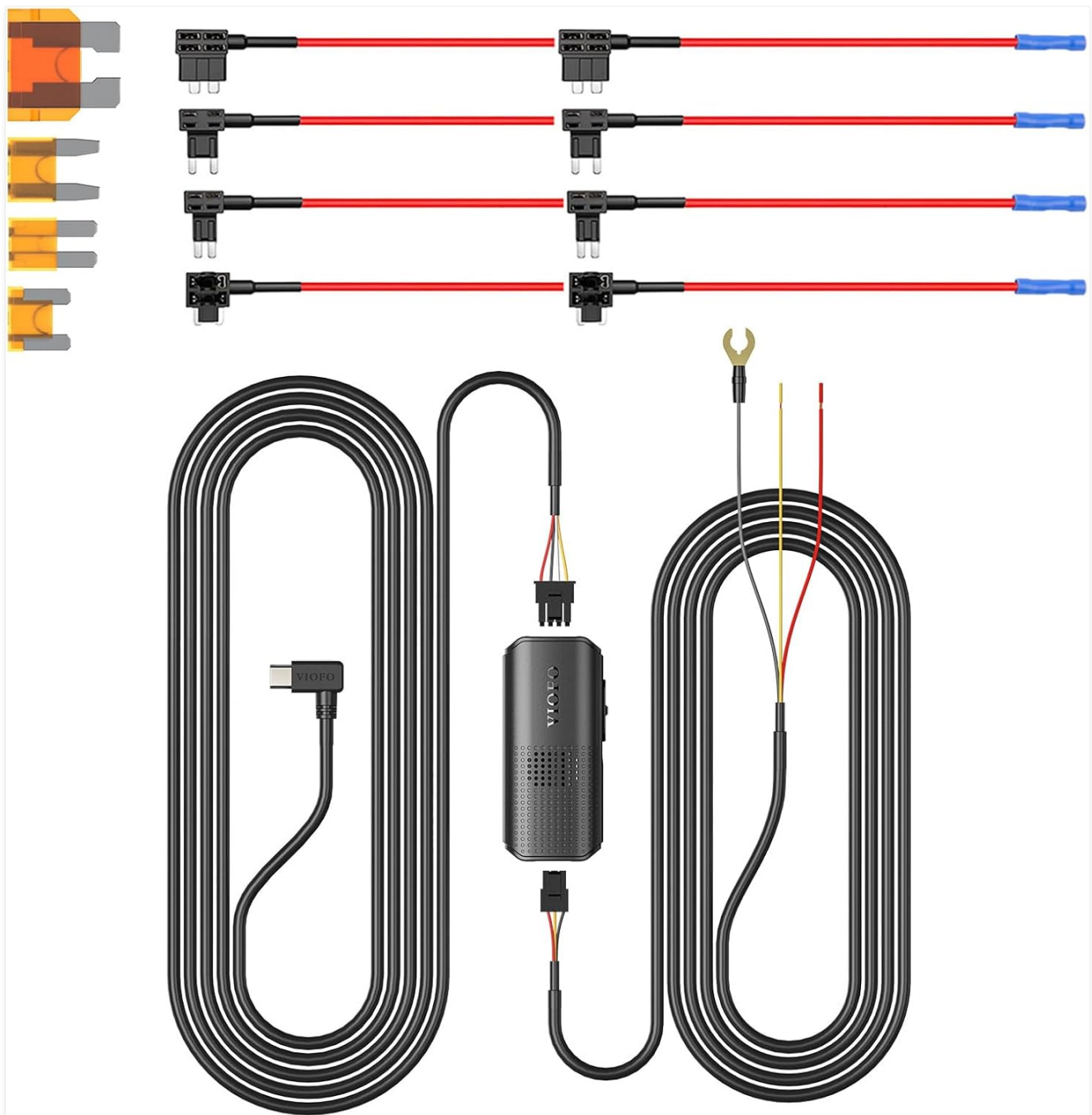


Image: Overview of the VIOFO HK6 Hardwire Kit components.

2. PRODUCT FEATURES

- **24-Hour Parking Surveillance:** Provides continuous power to your dashcam for surveillance when the vehicle engine is off, protecting the car battery from discharge.
- **Battery Discharge Prevention:** Features 4 configurable voltage cut-off options. The HK6 stops powering the dashcam when the car battery voltage drops to the selected threshold, preventing complete battery discharge.
- **Seamless Parking Mode Switching:** Utilizes ACC detection to automatically transition the dashcam to parking mode when the engine is turned off and resume normal recording when the vehicle starts.
- **Detachable Design for Easy Upgrades & Maintenance:** Modular design with detachable input and output cables simplifies installation, future upgrades, and replacements.
- **Automatic Voltage Display:** Broadcasts the car battery voltage via Bluetooth, allowing the dashcam to automatically detect and display it on recorded video for real-time monitoring without manual pairing.
- **12/24V Compatible:** Connects directly to vehicles running on 12-24V systems, suitable for cars, trucks, buses, SUVs, and big rigs.

3. PACKAGE CONTENTS

- HK6 Hardwire Cable: 1 unit
- User Manual: 1 unit
- MINI(ATS) Fuse: 2 units
- MINI Low Profile Fuse: 2 units
- Micro 2 Fuse: 2 units
- ATO(ATC) Fuse: 2 units

Packing List

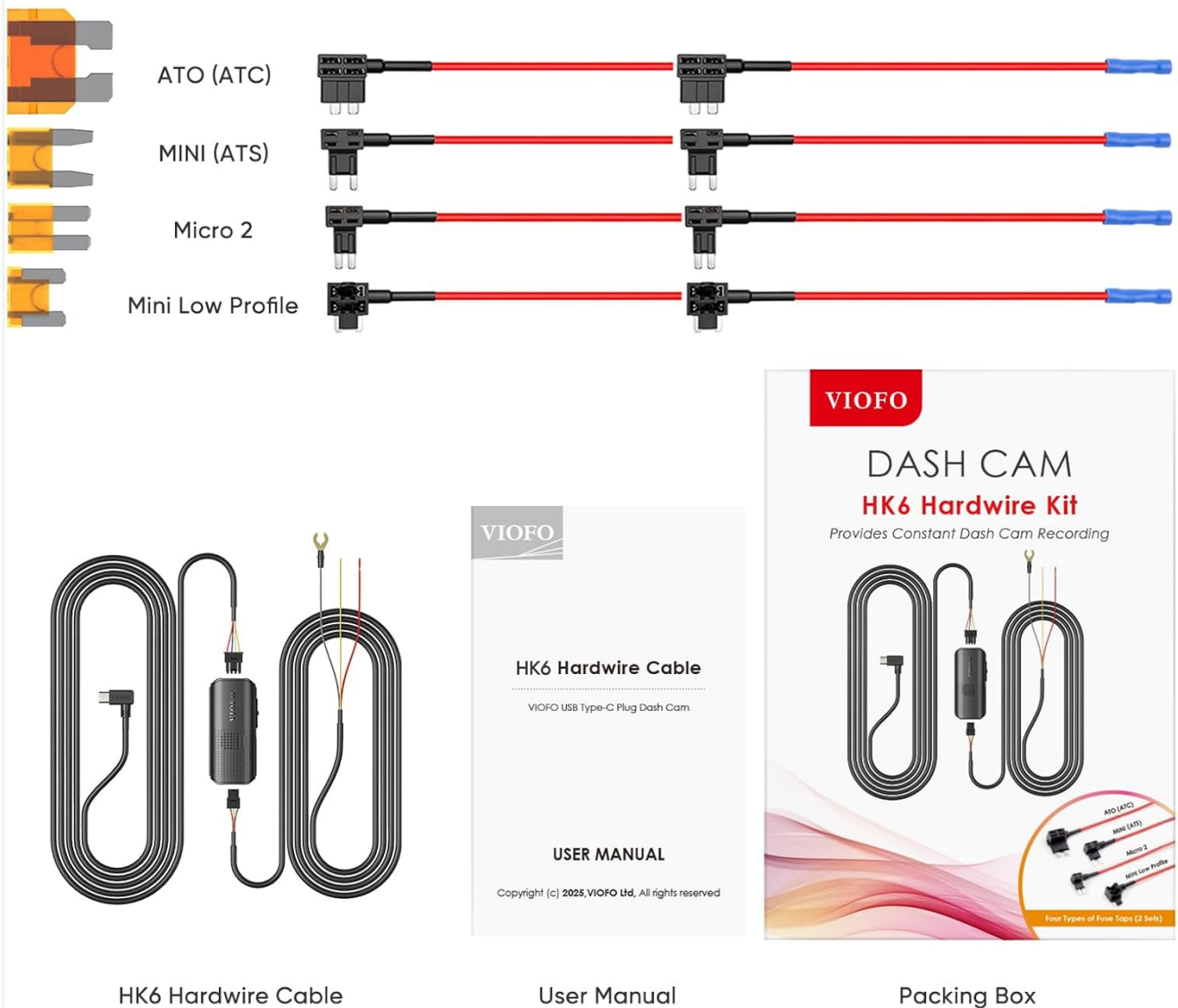


Image: All components included in the HK6 Hardwire Kit package.

4. INSTALLATION GUIDE

Proper installation is crucial for optimal performance. If you are unsure about any steps, it is recommended to seek professional assistance.

1. **Locate Your Fuse Box:** The location and type of your vehicle's fuse box can vary. Refer to your car's owner's manual

for specific instructions.

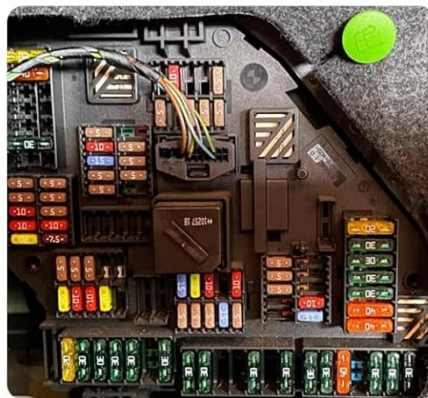
2. **Identify Battery & ACC Fuses:** Use a multimeter to identify a constant power fuse (Battery) and an accessory power fuse (ACC). The constant power fuse should show 12V/24V with the engine off, while the ACC fuse should show 0V with the engine off and 12V/24V with the engine on.
3. **Remove Selected Fuses:** Carefully remove the identified Battery and ACC fuses using a fuse puller.
4. **Crimp Add-A-Fuse Kit:** Crimp the appropriate add-a-fuse kit to the red (Battery+) and yellow (ACC) wires of the hardwire cable.
5. **Connect Fuse Tap:** Insert the metal strands of the hardwire cable into the metal tube of the fuse tap, then crimp it tightly. Insert the original fuses into the fuse taps.
6. **Install Fuse Taps:** Insert the fuse taps into the previously identified fuse slots in the fuse box.
7. **Install Ground Wire:** Select a metal screw near the fuse box, loosen it, insert the black (Ground) wire's metal terminal under the screw, and tighten securely.
8. **Connect Hardwire Cable to Dashcam:** Connect the HK6 hardwire cable's Type-C plug into the power port on the top of the dashcam's GPS mount. Ensure it is connected to the GPS Type-C port only.
9. **Test the Dashcam:** Start the vehicle to power on the dashcam. Enter the dashcam settings menu and enable Parking Mode. The parking mode icon should appear on the screen.
10. **Conceal Wiring:** Follow the recommended wiring shown in the diagram below and use the trim removal tool to hide the hardwire cable along the vehicle's interior.

Hardwire Kit Installation



Step 1

Locate your fuse box and fuse type



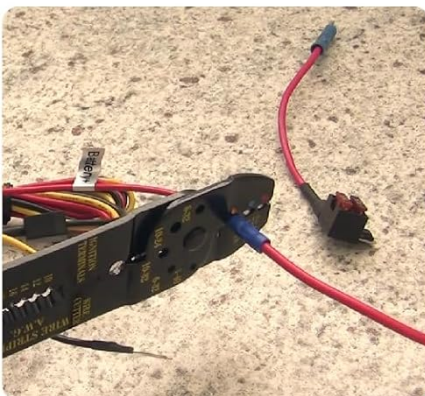
Step 2

Identify which fuse is Battery & ACC



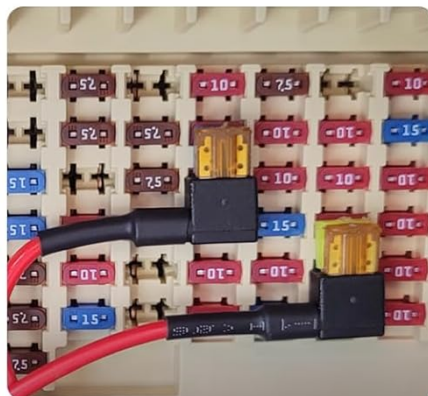
Step 3

Remove selected fuses



Step 4

Crimp Add-A-Fuse kit & hardwire kit



Step 5

Connect fuse tap into the fuse slot



Step 6

Connect ground wire

Image: Visual guide for hardwire kit installation steps.

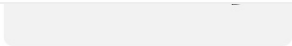

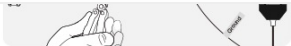

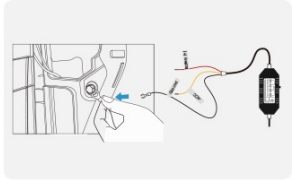
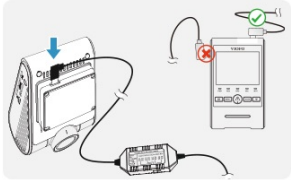
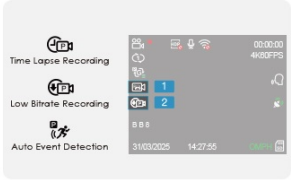
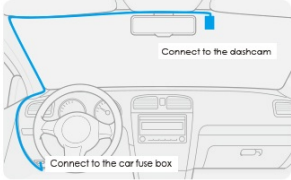
			
4. Remove the Selected Fuses Use a fuse puller to remove the fuses from the previously identified Battery and ACC positions.	5. Insert the Removed Fuses Check the type of the removed fuses and confirm the correct fuse model. Then insert each fuse into the corresponding fuse tap.	6. Connect the Fuse Tap Insert the metal strands of the hardwire cable into the metal tube of the fuse tap, then use needle-nose pliers to crimp the metal tube tightly.	7. Install the Fuse Tap Insert the fuse tap back into the fuse box and secure it properly to ensure a stable connection.
			
8. Install the Ground Wire (Black) Select a metal screw near the fuse box, loosen the screw, insert the Ground wire's metal terminal under the screw, and then tighten the screw securely.	9. Connect the Hardwire Cable Connect the hardwire cable's Type-C plug into the power port on the top of the dashcam's GPS mount.	10. Test the Dash Cam Start the vehicle to power on the dashcam. Enter the dashcam settings menu and enable Parking Mode. The parking mode icon will appear at the position on the left side of the screen.	11. Conceal the Wiring Finally, follow the recommended wiring shown in the diagram below and use the trim removal tool to hide the hardwire cable.

Image: Correct cable connection to the dashcam's GPS Type-C port.

5. WIRING DIAGRAM

The HK6 Hardwire Cable features three main wires for connection:

- **Red Wire (Battery+):** Connects to a constant fuse slot (always-on power).
- **Yellow Wire (ACC):** Connects to an ACC fuse slot (switched power, on when ignition is on).
- **Black Wire (Ground):** Connects to a metal ground point on the vehicle chassis.

Wire Connection

Input Voltage: DC 12 / 24V



If you do not have the experience on installing the hardwire kit for dash cam, please ask for the professional.

Image: Detailed wiring diagram for the HK6 Hardwire Kit.



Image: Labeled product diagram of the HK6 Hardwire Cable components.

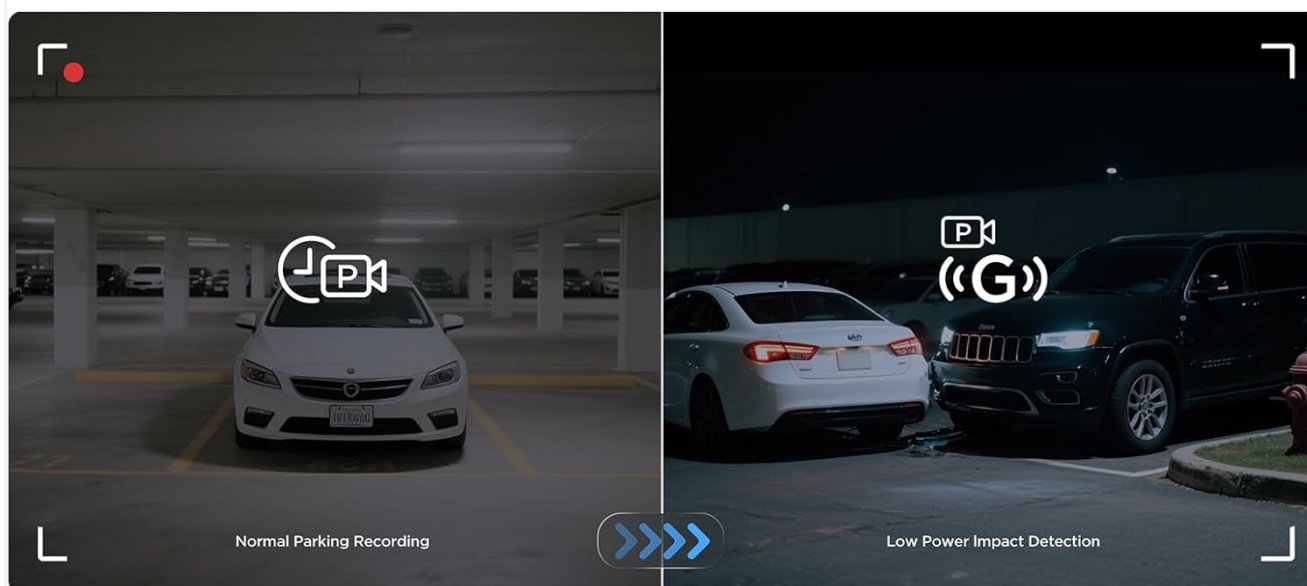
6. OPERATING INSTRUCTIONS

6.1. Parking Mode

The HK6 Hardwire Cable supports Hybrid Parking Mode for the A329S Series and A119M Pro, automatically switching between normal parking recording and Low-Power Impact Detection mode based on your configured "Cut-off Voltage" and "Cut-off Time" settings.

Hybrid Parking Mode for A329S Series

The HK6 Hardwire Cable supports Hybrid Parking Mode for the A329S Series, automatically switching between normal parking recording and Low-Power Impact Detection mode based on "Cut-off Voltage" and "Cut-off Time" setting.



*To ensure proper operation, we recommend setting the "Cut-off Voltage" slightly higher than the value selected on the hardwire cable.

Image: Hybrid Parking Mode operation.

6.2. Automatic Voltage Display

The HK6 features an always-on Bluetooth broadcast that transmits the car battery voltage. No pairing or user interaction is required. Your dashcam automatically detects the HK6 signal, reads the voltage, and displays it on the recorded video for real-time monitoring.



Image: Automatic voltage display on the dashcam screen.

6.3. Battery Discharge Prevention & Voltage Cut-off

The HK6 Hardwire Cable provides continuous power to your dashcam in parking mode until your car battery voltage drops to the configured threshold. It offers 4 voltage cut-off options to prevent battery discharge. When the vehicle's battery voltage reaches the selected threshold, the HK6 stops supplying power to the dashcam.



Image: Configurable voltage cut-off options on the HK6.

6.4. Seamless Parking Mode Switching

With ACC detection, the dashcam seamlessly enters parking mode when the vehicle's engine is turned off and resumes normal recording once the vehicle is started.



Image: Seamless parking mode switching via ACC detection.

6.5. Ultra-Low Power Consumption

The HK6 Hardwire Cable offers ultra-low power consumption ($\leq 300\mu A$) when the dashcam is turned off, ensuring extended parking monitoring without significant vehicle battery discharge. When paired with the A329S Series, the Low Power Impact Detection parking mode continues to monitor your vehicle with minimal energy draw.



Image: Ultra-low power consumption for extended parking monitoring.

6.6. Official Product Video: A329S Fuse Tap Unboxing

Video: An unboxing video of the A329S Fuse Tap, demonstrating the components included in the kit.

7. MAINTENANCE

To ensure the longevity and optimal performance of your HK6 Hardwire Kit, regular maintenance is recommended:

- **Inspect Connections:** Periodically check all wiring connections (fuse taps, ground wire, Type-C plug) to ensure they are secure and free from corrosion.
- **Cable Management:** Ensure cables remain tucked away and are not exposed to excessive heat, sharp edges, or moving parts that could cause damage.
- **Firmware Updates:** Regularly check the VIOFO website for firmware updates for your compatible dashcam, as these may include improvements for hardwire kit functionality.

8. TROUBLESHOOTING

If you encounter issues with your HK6 Hardwire Kit, refer to the following common troubleshooting steps:

- **Dashcam Not Powering On in Parking Mode:**
 - Verify that the red (Battery+) wire is connected to a constant power fuse.
 - Ensure the black (Ground) wire is securely connected to a clean metal chassis point.
 - Check the fuse taps and fuses for proper installation and integrity.
 - Confirm that Parking Mode is enabled in your dashcam's settings.
- **Battery Discharge Warning/Dashcam Shuts Off Prematurely:**
 - Adjust the voltage cut-off setting on the HK6 to a higher threshold if your vehicle battery is older or prone to discharge.
 - Ensure the vehicle battery is in good condition.
- **Parking Mode Not Switching Seamlessly:**
 - Verify that the yellow (ACC) wire is connected to a switched power fuse that activates and deactivates with the ignition.
 - Check dashcam settings for correct parking mode configuration.
- **No Automatic Voltage Display:**
 - Ensure the HK6 is properly powered and connected.
 - Check dashcam settings for Bluetooth and voltage display options.

9. SPECIFICATIONS

Product Dimensions	2.3 x 3.8 x 1.75 inches
Item Weight	9.9 ounces (0.28 Kilograms)
Connectivity Technology	Type-C
Special Feature	Hardwire Kit, Automatic Voltage Display
Vehicle Service Type	Car, Truck, Bus, SUV, Big Rig
Input Voltage	12-24V
Output Voltage	5V 3A Max
Parking Mode Support	Hybrid Parking Mode, Low Power Impact Detection
Voltage Cut-off Options	4 options available

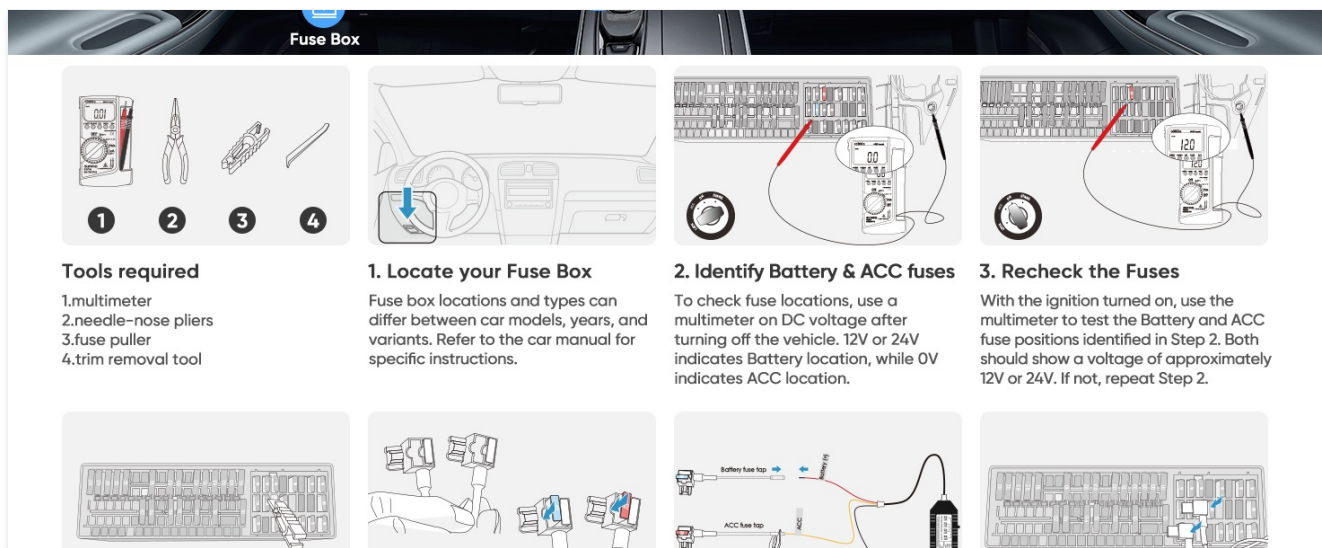


Image: VIOFO Hardwire Kit comparison table.

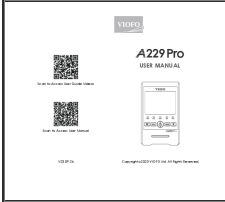
10. WARRANTY AND SUPPORT

The VIOFO HK6 Hardwire Kit comes with a **24-Month Warranty Coverage Extended**. For any inquiries, technical assistance, or support, please contact VIOFO customer service:

- **Email:** support@viofo.com
- **Phone (US):** +1 323 505 9898

Related Documents - HK6

	VIOFO HK6 Hardwire Cable User Manual: Installation & Features for USB Type-C Dash Cams Install and use your VIOFO HK6 Hardwire Cable with this comprehensive user manual. Learn about parking mode, low voltage cut-off, battery monitoring, and step-by-step installation for VIOFO USB Type-C dash cameras.
	VIOFO HK4 Hardwire Cable User Manual - Installation and Specifications Comprehensive user manual for the VIOFO HK4 Hardwire Cable, detailing installation steps, features, specifications, and customer support for VIOFO USB Type-C plug dash cams.
	VIOFO A329S Series User Manual Comprehensive user manual for the VIOFO A329S Series dashcam, covering installation, operation, settings, firmware upgrades, and customer support.
	VIOFO HK3-C Hardwire Kit User Manual: Installation and Features Comprehensive user manual for the VIOFO HK3-C Hardwire Kit, detailing installation steps, features like parking mode and low voltage cut-off, specifications, and customer support for VIOFO A139 Dash Cameras.
	VIOFO A139 Dash Cam User Manual Comprehensive user manual for the VIOFO A139 Dash Cam, detailing installation, operation, system settings, firmware upgrades, and smartphone app connectivity for optimal driving recording and safety.



[VIOFO A229 Pro Dashcam User Manual and Installation Guide](#)

Comprehensive guide to installing, operating, and maintaining the VIOFO A229 Pro dashcam, including setup, recording modes, app connectivity, and troubleshooting.