VIOFO HK4

VIOFO HK4 Hardwire Kit Instruction Manual

Model: HK4

Product Overview

The VIOFO HK4 Hardwire Kit is designed to provide continuous power to compatible VIOFO dash cameras, enabling 24-hour parking surveillance and protecting your vehicle's battery from discharge. This kit is essential for utilizing advanced parking mode features.

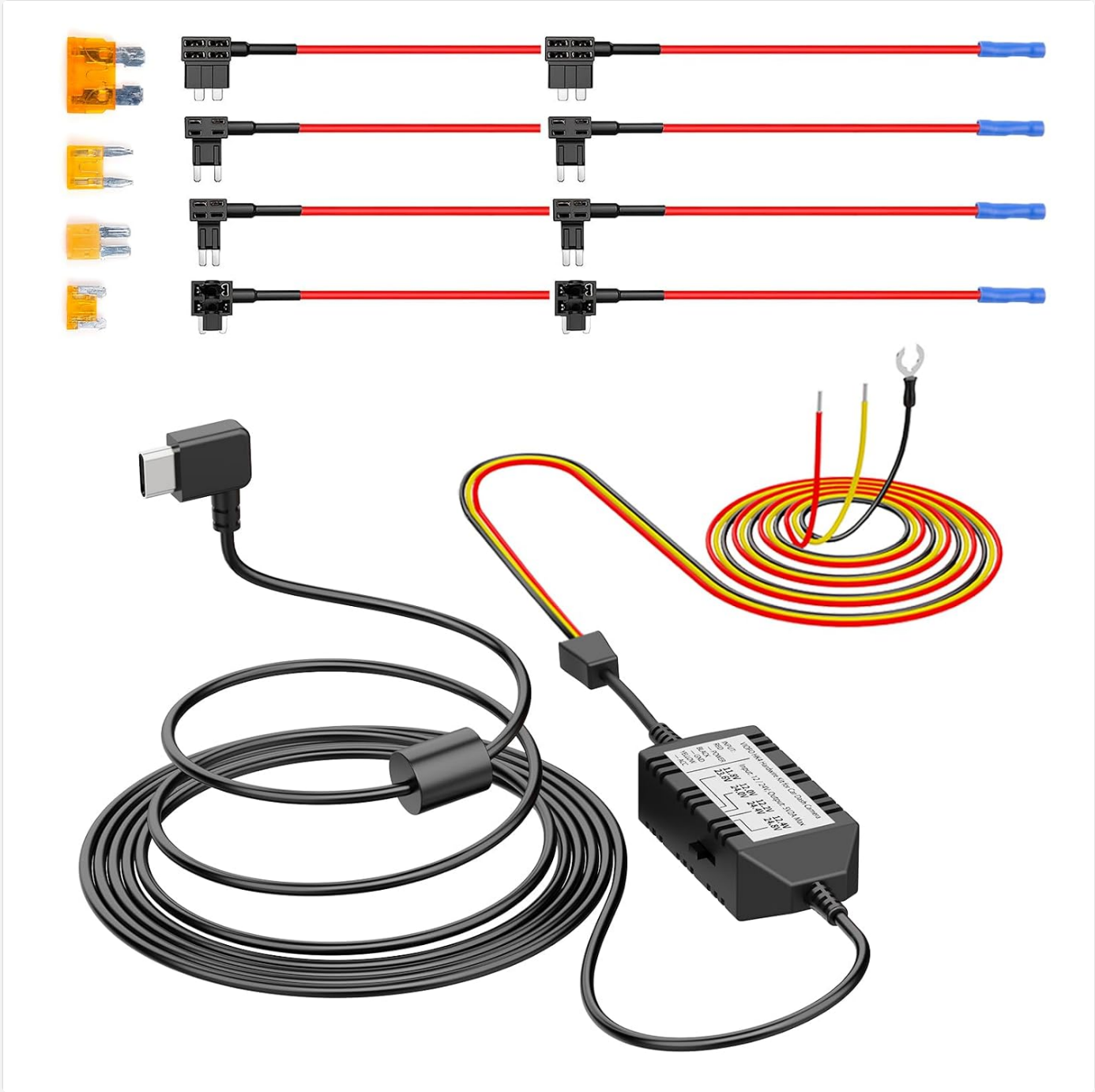


Image: The VIOFO HK4 Hardwire Kit, including the main hardwire unit, Type-C cable, and a selection of fuse taps for different vehicle fuse types.

Key Features:

- **24 Hours Parking Surveillance:** Provides continuous power to the dash cam even when the engine is off, recording events like collisions.
- **Low Voltage Protection:** Features configurable voltage cut-off options to prevent your vehicle's battery from discharging below a safe level.
- **Automatic Parking Mode Switching:** With ACC detection, the dash cam automatically switches to parking mode when the engine is off and returns to normal recording when the engine is on.
- **12V / 24V Compatibility:** Connects directly to various vehicle types (cars, trucks, buses, SUVs, big rigs) running on 12V to 24V systems.
- **Type-C Port:** Equipped with a Type-C port for compatible VIOFO dash cams.

Compatibility

The HK4 Hardwire Kit is specifically designed for the following VIOFO dash cam series:

- A329S series
- A229 series (A229Plus, A229Pro)
- A119Mini2
- A139Pro
- WM1
- T130

Note: This kit is **NOT** compatible with other VIOFO dash camera series (e.g., HK3, HK3-C, HK5 models which use Mini USB or different input interfaces).



Image: Visual representation of the HK4 kit and its compatible dash cam models, including T130, A139 Pro, WM1, A229 DUO/PLUS/PRO, A119 MINI/A119 MINI 2, and A329.

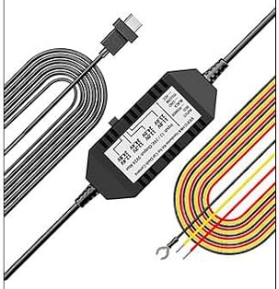
Model Name	HK3	HK3-C	HK4	HK5
Picture				
Applicable Model	A129, A129 Plus, A129 Pro, A119 V3	A139, A139 Pro	T130 , A229, A229 Pro, A229 Plus, A119 Mini2, WM1, A329	VS1
Connector Port	Mini USB	USB Type-C		
Input	12-24V			
Input Interface	ACC (Yellow), Ground (Black), Battery (Red)			
Length	13.1ft(4M)			

Image: A table comparing VIOFO hardwire kits (HK3, HK3-C, HK4, HK5) by model name, picture, applicable model, connector port, input, input interface, and length, highlighting the unique specifications of the HK4.

Installation Guide

Proper installation of the HK4 Hardwire Kit is crucial for optimal performance and battery protection. It is recommended to have basic automotive electrical knowledge or seek professional assistance for installation.

Components Overview:

- **Hardwire Cable:** 13.1ft (4m) in length.
- **Red Battery Cable:** Connects to a constant power source (always-on fuse).
- **ACC Yellow Cable:** Connects to an ignition-switched power source (ACC fuse).
- **Ground Cable:** Connects to the vehicle's metal body for grounding.
- **Fuse Taps:** The kit includes 8 pieces of full set circuit fuse taps to accommodate various fuse box types (ATO/ATC, MINI/ATS, Micro 2, Mini Low Profile).



Image: A visual guide to the different fuse tap types provided: ATO (ATC), MINI (ATS), Micro 2, and Mini Low Profile, with their respective dimensions.

Wiring Instructions:

1. **Identify Fuse Box:** Locate your vehicle's fuse box (typically under the dashboard, in the engine bay, or trunk).
2. **Identify Power Sources:**
    - Find an "always-on" fuse for the **Red Battery Cable**. This fuse should have power even when the ignition is off.
    - Find an "ignition-switched" (ACC) fuse for the **ACC Yellow Cable**. This fuse should only have power when the ignition is on.
    - Use a multimeter to verify the power status of chosen fuses.
3. **Connect Fuse Taps:** Select the appropriate fuse tap for your vehicle's fuse type. Insert the original fuse into the lower slot of the fuse tap and a new fuse (of the same rating) for the dash cam into the upper slot.
4. **Connect Cables:**
    - Connect the **Red Battery Cable** to the "always-on" fuse tap.
    - Connect the **ACC Yellow Cable** to the "ignition-switched" fuse tap.

- Secure the **Ground Cable** (black wire with ring terminal) to a clean, unpainted metal bolt or screw on the vehicle's chassis.

5. **Route Cables:** Carefully route the hardwire cable from the fuse box to the dash cam's mounting location, tucking it behind vehicle trim for a clean installation.
6. **Connect to Dash Cam:** Plug the Type-C connector of the hardwire kit into the compatible VIOFO dash cam.



Image: A simplified wiring diagram illustrating the connection points for the Battery (Red), ACC (Yellow), and Ground (Black) cables to the vehicle's electrical system for automatic parking mode functionality.

Operating Instructions

Automatic Parking Mode:

Once correctly installed, the HK4 kit enables automatic switching between normal recording and parking mode based on your vehicle's ignition status.

- When the vehicle engine is **ON**, the dash cam will operate in normal recording mode.

- When the vehicle engine is **OFF**, the dash cam will automatically switch to parking mode, providing continuous surveillance.



Image: An explanation of the hardwire kit's function in parking mode, providing continuous power and protecting the car battery from discharge when the engine is off.

Battery Discharge Prevention:

The HK4 hardwire kit allows you to set a voltage cut-off value to prevent excessive discharge of your vehicle's battery. If the battery voltage drops to the pre-set cut-off value, the kit will stop powering the dash cam.

Configurable Voltage Cut-off Options:

- For 12V systems: 11.8V, 12.0V, 12.2V, 12.4V
- For 24V systems: 23.6V, 24.0V, 24.4V, 24.8V

Battery Discharge Prevention

HK4 ACC Hardwire kits will provide continuous power to your dashcam in parking mode until your car battery voltage drops to the configured value.

Configurable Voltage Cut-off

VIOFO HK4 ACC Hardwire kits lets you set a voltage cut-off value with 4 options, when the voltage of vehicle's battery drops to the cut-off value, HK4 will stop powering your dashcam, thus protecting your battery from discharge.



Image: A close-up of the HK4 unit showing the voltage cut-off switch with options for 12V and 24V systems, designed to prevent battery discharge.

Maintenance and Care

- Regularly check all cable connections to ensure they are secure and free from damage.
- Inspect fuse taps periodically for corrosion or loose connections.
- Ensure the dash cam's firmware is up to date for optimal performance and compatibility with the hardwire kit.
- Keep the hardwire unit clean and free from dust or debris.

Troubleshooting

- **Dash Cam Not Powering On:**
  - Check all cable connections (Red, Yellow, Ground) for proper seating.
  - Verify that the chosen fuses in the vehicle's fuse box are receiving power using a multimeter.
  - Ensure the fuse taps are correctly inserted and making good contact.

- Confirm the dash cam is compatible with the HK4 kit (refer to Compatibility section).

- **Parking Mode Not Activating:**
  - Ensure the ACC (yellow) cable is connected to an ignition-switched fuse.
  - Verify that the dash cam's parking mode settings are correctly configured.
  - Check the voltage cut-off setting on the HK4 unit; if the battery voltage is already below the set threshold, parking mode will not activate.
- **Battery Drain Issues:**
  - Adjust the voltage cut-off setting on the HK4 unit to a higher value to prevent deeper discharge.
  - Ensure the "always-on" fuse for the red cable is indeed constant power and not switching off unexpectedly.
- **Intermittent Power:**
  - Check for loose connections at the fuse box, ground point, or the dash cam's Type-C port.
  - Ensure the fuse taps are securely holding the fuses and making proper electrical contact.

Specifications

Feature	Description
Model Number	HK4
Manufacturer	VIOFO
Input Voltage	12V / 24V (compatible with various vehicles)
Output	5V / 2A Max
Connector Port	USB Type-C
Input Interface	ACC (Yellow), Ground (Black), Battery (Red)
Cable Length	13.1ft (4m)
Low Voltage Protection	Configurable cut-off values (11.8V-12.4V for 12V, 23.6V-24.8V for 24V)
Included Fuse Taps	8pcs full set (ATO/ATC, MINI/ATS, Micro 2, Mini Low Profile)

Warranty and Support

VIOFO offers comprehensive support for its products. For specific warranty details, technical assistance, or after-sales inquiries, please refer to the official VIOFO website or contact their customer support directly.

- **Customer Support Email:** support@viofo.com
- **Customer Support Phone (US):** +1 323 505 9898
- **Warranty:** 24-Month Warranty Coverage Extended
- **Money-Back Guarantee:** 30-Day Money-Back Guarantee
- **Support Availability:** 24/7 Dedicated Customer Support

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question