

## iZEEKER PIHK03

# iZEEKER PIHK03 Type-C USB Hardwire Kit Instruction Manual

Model: PIHK03

## 1. PRODUCT OVERVIEW

The iZEEKER PIHK03 Type-C USB Hardwire Kit is designed to provide continuous power to your dash camera, enabling 24-hour parking surveillance and protecting your vehicle's battery from drainage. This kit connects directly to your car's OBD-II port, offering a reliable power source for compatible USB Type-C dash cams.

## 2. KEY FEATURES

- **Wide Compatibility:** Designed for USB Type-C port dash cams and car chargers, including iZEEKER GD300, GD850, GD800, and iD400 models.
- **Broad Vehicle Voltage Range:** Compatible with vehicles providing 11.5V-40V input voltage, suitable for cars, trucks, buses, and SUVs.
- **24-Hour Parking Surveillance:** Supplies uninterrupted power to the dash camera via the OBD-II connector, allowing continuous monitoring even when the vehicle is off.
- **Built-in G-Sensor:** Activates the dash cam to record upon detecting vibrations when the vehicle is parked. The dash cam powers off after 1 minute of no vibration to conserve battery.
- **Low Voltage Protection:** Automatically cuts off power to the dash cam if the vehicle's battery voltage drops below 11.5V, preventing battery drainage.
- **Multiple Safety Protections:** Includes overvoltage protection, short circuit protection, and battery protection for safe operation.



Figure 2.1: Illustration of 24/7 Parking Monitoring capability.

# Multiple Protection

Automatically power off when the battery voltage lower than 11.6V to ensure safe driving.



Overvoltage  
Protection



Short Circuit  
Protection



Battery  
Protection



Figure 2.2: Multiple protection features of the hardwire kit.

### 3. WHAT'S IN THE BOX

- iZEEKER PIHK03 Type-C USB Hardwire Kit

### 4. SPECIFICATIONS

Item Name	Hardwire Kit CH60 (PIHK03)
Connector Type	USB Type-C

<b>Input Voltage Range</b>	11.5V-40V DC
<b>Output</b>	5V / 1.5A
<b>Max Input DC Current</b>	1.5A
<b>Inrush Current (Cold Start)</b>	<1.2A at 40VDC
<b>Voltage Protection</b>	11.6V $\pm$ 0.2V (Low Voltage Cut-off)
<b>Cable Length</b>	3.5 meters (approx. 11.5 feet)
<b>Working Temperature</b>	-10°C to 60°C
<b>Dimensions</b>	1.18 x 3.54 x 1.97 inches
<b>Item Weight</b>	20 Grams (0.705 ounces)



## Product Specifications

- Item Name: Hardwire Kit CH60
- Input Voltage Range: 11.5VDC - 40VDC
- Max input DC current: 1.5A
- Inrush current (cold start): < 1.2A at 40VDC
- Voltage protection: 11.6V±0.2V
- Wire Length: 3m

Figure 4.1: Components of the hardwire kit.

## Wide Range of Input Voltage

11.5V-40V DC input voltage, suitable for most of cars on the market.



Figure 4.2: Wide input voltage range for vehicle compatibility.

## 5. SETUP AND INSTALLATION

Follow these steps to properly install your iZEEKER PIHK03 Hardwire Kit:

1. **Mount Your Dash Cam:** Securely mount your dash camera in a location that provides a clear, unobstructed view of the road.
2. **Locate OBD-II Port:** Identify your vehicle's OBD-II connector, typically located under the dashboard on the driver's side.
3. **Connect Hardwire Kit:** Plug the OBD-II connector of the hardwire kit into your vehicle's OBD-II port.

4. **Route Wiring:** Carefully run the Type-C cable from the OBD-II port towards your dash camera. Hide the wire under the headliner, along the A-pillar, and under the dashboard trim for a neat and secure installation.
5. **Secure G-Sensor:** The G-sensor module has a 3M adhesive sticker. Remove the backing and firmly attach the G-sensor to the windshield near your dash cam.
6. **Connect to Dash Cam:** Plug the Type-C end of the hardwire kit into the Type-C charging port of your dash camera.
7. **Test Functionality:** Start your vehicle to ensure the dash cam powers on. Turn off your vehicle and test the parking surveillance mode (if applicable to your dash cam) by gently shaking the vehicle to trigger the G-sensor.

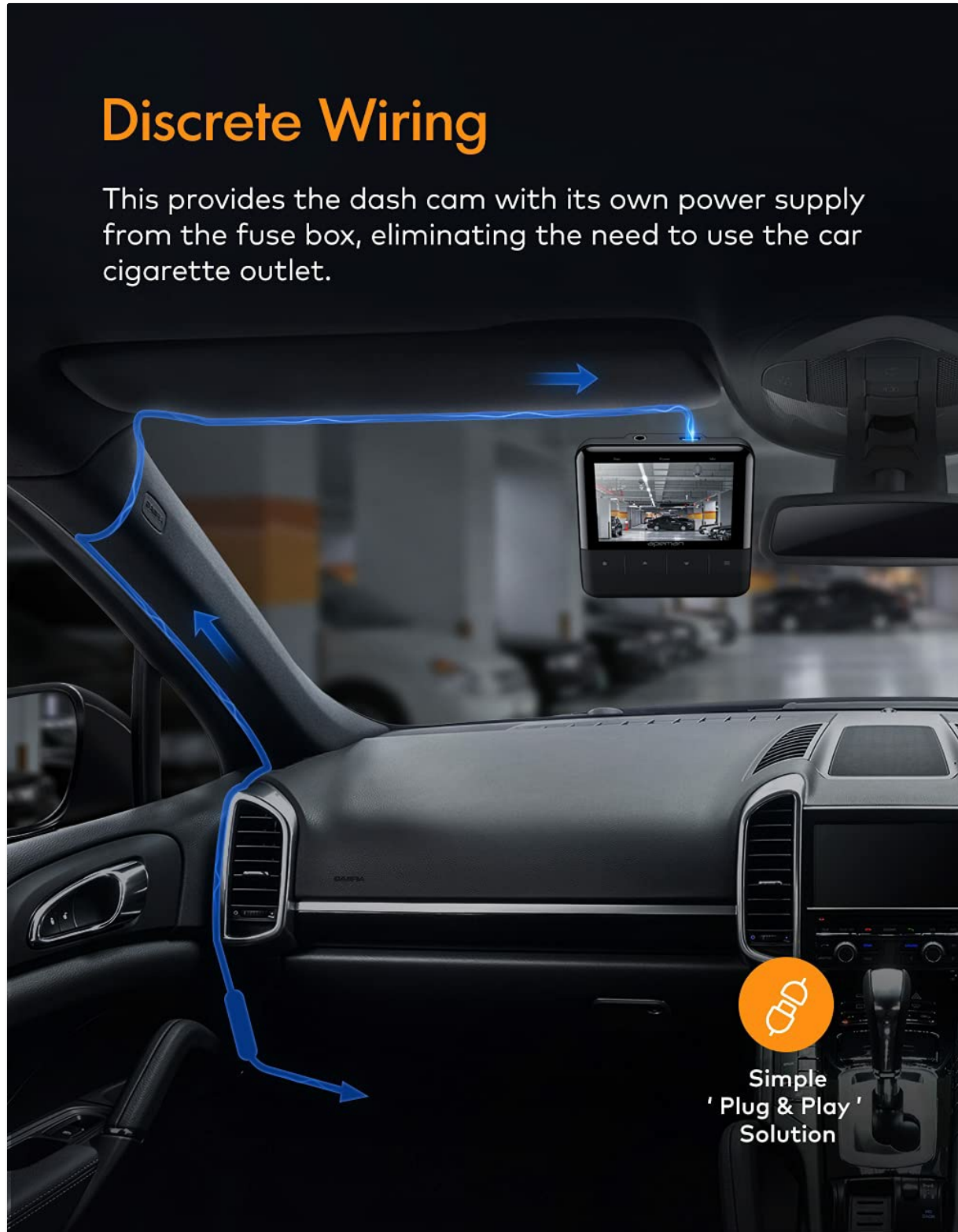


Figure 5.1: Example of discrete wiring installation.

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Video 5.1: A demonstration of the iZEEKER Hardwire Kit, including its components and a brief overview of the installation process. This video shows how to connect the kit to the OBD-II port and route the cable to the dash cam.

## 6. OPERATING INSTRUCTIONS

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The iZEEKER PIHK03 Hardwire Kit operates automatically to manage power delivery to your dash camera:

- **Normal Operation:** When your vehicle's ignition is on, the hardwire kit provides continuous power to your dash camera, allowing it to record normally.
- **Parking Surveillance Mode:** After the vehicle's ignition is turned off, the dash cam will typically shut down after 5 minutes. The built-in G-sensor in the hardwire kit then enters a monitoring state. If the vehicle experiences a vibration (e.g., impact, door slam), the G-sensor will trigger the hardwire kit to power on the dash cam, initiating recording. The dash cam will automatically shut down after 1 minute if no further vibration signals are detected, conserving battery power.
- **Low Voltage Protection:** The kit continuously monitors your vehicle's battery voltage. If the voltage drops below 11.5V, the hardwire kit will automatically cut off power to the dash cam to prevent excessive battery discharge, ensuring your vehicle can start.

## 7. MAINTENANCE

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To ensure optimal performance and longevity of your hardwire kit:

- **Regular Inspection:** Periodically check all connections, especially the OBD-II plug and the Type-C connection to the dash cam, to ensure they are secure and free from corrosion or damage.
- **Cable Management:** Ensure that the wiring remains neatly tucked away and is not pinched or exposed to excessive heat or sharp edges.
- **Cleanliness:** Keep the OBD-II port and the hardwire kit's connectors clean and free of dust or debris.

## 8. TROUBLESHOOTING

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If you encounter issues with your iZEEKER PIHK03 Hardwire Kit, refer to the following common problems and solutions:

- **Dash Cam Does Not Power On:**
  - Ensure the hardwire kit is securely plugged into the vehicle's OBD-II port.
  - Verify the Type-C connector is firmly inserted into the dash cam's power input.
  - Check if your dash cam is compatible with a Type-C power input.
  - Confirm your vehicle's battery voltage is above 11.5V. The low voltage protection feature will prevent the dash cam from powering on if the battery is too low.
- **Parking Mode Not Working / Dash Cam Shuts Off Immediately When Car is Off:**
  - Ensure the G-sensor module is securely attached and not obstructed.
  - Verify that your dash cam's parking mode settings are correctly configured to work with a hardwire kit (refer to your dash cam's manual).
  - The hardwire kit will cut power if the battery voltage drops below 11.5V. If your vehicle's battery is weak, this protection may activate prematurely.
  - Confirm that the dash cam itself supports parking mode functionality when powered by a hardwire kit.
- **Intermittent Power:**

- Inspect the entire cable for any signs of damage, kinks, or loose connections.
- Ensure the OBD-II port in your vehicle is clean and free of debris.

If these steps do not resolve the issue, please contact iZEEKER Customer Support for further assistance.

## **9. WARRANTY AND SUPPORT**

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iZEEKER products are designed for reliability and performance. For warranty information, technical support, or any questions regarding your PIHK03 Hardwire Kit, please refer to the warranty card included with your product or visit the official iZEEKER website. You may also contact iZEEKER Customer Service directly for professional assistance.