70mai UP06

70mai Adjustable Hardwire Kit UP06 for Type-C Dash Cams Instruction Manual

Model: UP06 | Brand: 70mai

1. INTRODUCTION

The 70mai Adjustable Hardwire Kit UP06 is designed to provide continuous power to your 70mai Type-C dash cam, enabling 24-hour parking surveillance and advanced battery protection. This upgraded kit offers easier installation, smarter battery management, and real-time voltage monitoring compared to previous models. It ensures your dash cam remains operational even when your vehicle is parked, capturing critical events while safeguarding your car's battery.

2. WHAT'S IN THE BOX

- 70mai Adjustable Hardwire Kit x1
- Packaging Box x1
- User Manual x1
- Adhesive pad x1
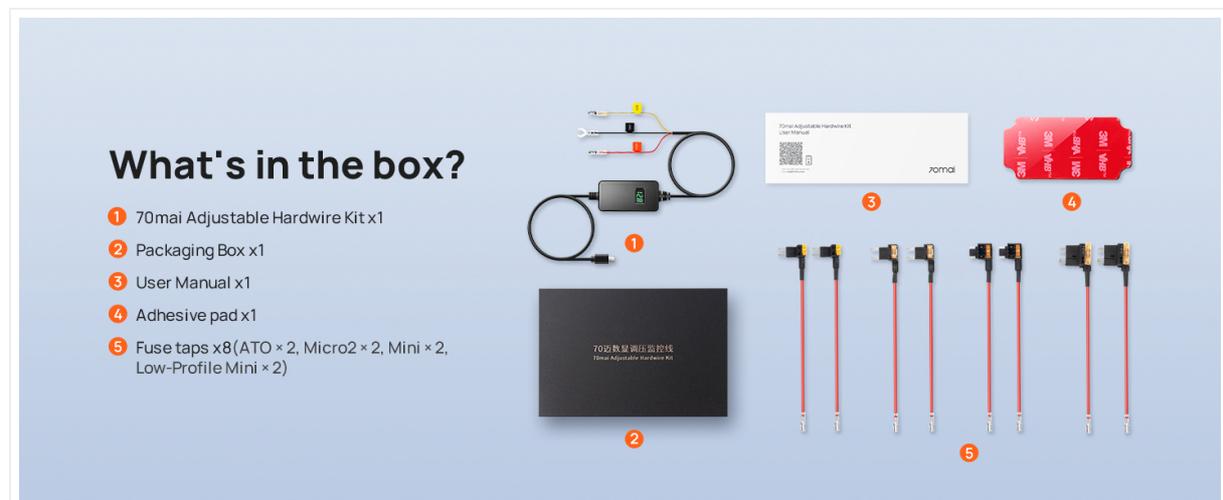- Fuse taps x8 (ATO x2, Micro2 x2, Mini x2, Low-Profile Mini x2)

3. SETUP AND INSTALLATION

The UP06 Hardwire Kit connects your 70mai dash cam directly to your vehicle's fuse box, providing a stable power supply for 24-hour parking surveillance. This method ensures the dash cam can operate even when the vehicle's ignition is off.

Installation Steps:

1. **Step 1: Locate the Fuse Box.** Turn off the engine and locate your vehicle's fuse box, typically found under the dashboard or hood. Connect the hardwire kit to your dash cam and route the cable along the headliner to the fuse box.

2. **Step 2: Connect Wires.** Connect the ACC (ignition-switched power) and VCC (constant power) wires to appropriate fuse slots using the included 5A fuses and matching fuse taps. Connect the GND (ground) wire to a metal part of the vehicle chassis.

3. **Step 3: Mount the Module.** Mount the hardwire kit module securely using the included 3M adhesive pad.

Figure 3.1: Easy Installation Guide for the Hardwire Kit.

Fuse Taps:

The kit includes various fuse taps (ATO, Micro2, Mini, Low-Profile Mini) to ensure compatibility with different vehicle types. Select the appropriate fuse tap for your vehicle's fuse box.

Figure 3.2: Multiple Fuse Taps for various vehicle types.

4. Operating Instructions

4.1 24-Hour Parking Protection

By connecting to your vehicle's fuse box, the hardwire kit enables your dash cam to continuously monitor your vehicle while parked. It captures critical events and automatically powers down if your car battery voltage drops below preset levels, preventing battery drain.
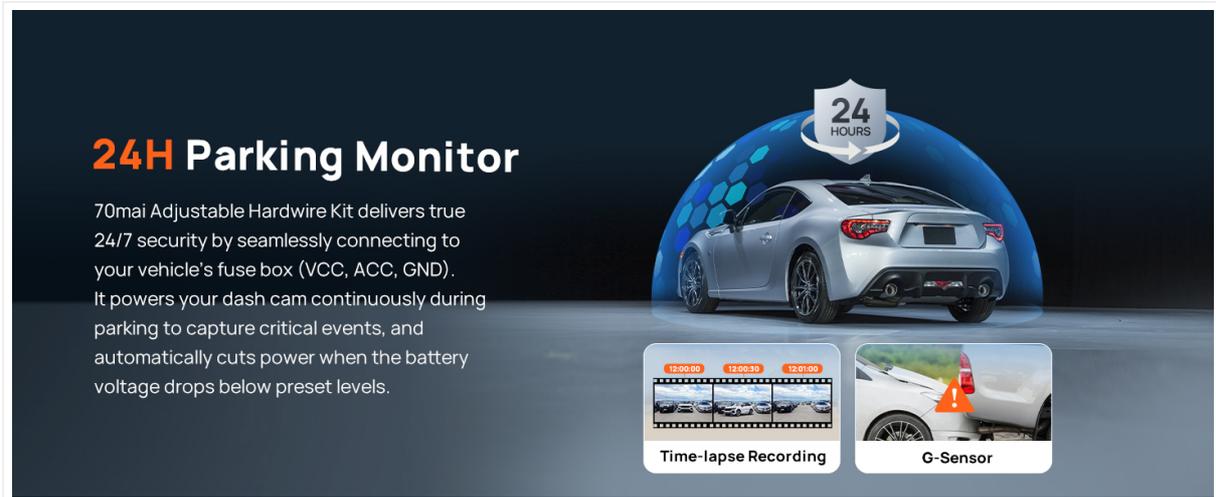

Figure 4.1: 24-Hour Parking Monitor functionality.

4.2 Adjustable Low-Voltage Protection

The kit features a three-level adjustable low-voltage cut-off to protect your car battery. You can customize the protection level based on your car's condition and climate. The output will power off after 3 minutes if the voltage remains below the set threshold.

- **12V Vehicles:** 11.8V / 12.1V / 12.4V
- **24V Vehicles:** 23.6V / 24.0V / 24.4V

Figure 4.2: Adjustable Low-Voltage Protection settings.

4.3 Real-time Battery Voltage Monitoring

A bright, three-digit LED display on the module shows your battery's real-time voltage (±0.2V). This allows you to monitor your battery's health and quickly identify unusual voltage drops.

Figure 4.3: Real-time Battery Voltage Display.

4.4 Universal Compatibility

With a wide voltage input range of 12V–30V, the 70mai Adjustable Hardwire Kit UP06 is compatible with both 12V cars and 24V trucks. It provides a stable 5V/2.4A output for all Type-C 70mai dash cams, eliminating the need for an additional adapter.

Figure 4.4: Universal Compatibility for various vehicle types.

4.5 Compatible 70mai Dash Cams

The UP06 kit is compatible with the following 70mai Type-C dash cams: 70mai 4K T800, 4K Omni, A810, A800SE, A510, A500S, A410, M310, M500, and M200.
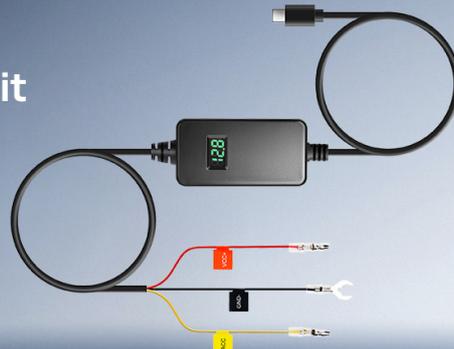
5. SPECIFICATIONS

Model Name	UP06
Product Dimensions	6.1 x 4.13 x 1.89 inches
Item Weight	9.2 ounces
Connectivity Technology	USB Type-C
Input Voltage	12V-30V
Output Voltage/Current	5V/2.4A
Low-Voltage Cut-off (12V)	11.8V / 12.1V / 12.4V
Low-Voltage Cut-off (24V)	23.6V / 24.0V / 24.4V
Color	Black
Vehicle Service Type	Car, Truck

6. MAINTENANCE

To ensure optimal performance and longevity of your 70mai Adjustable Hardwire Kit UP06 and connected dash cam, follow these maintenance guidelines:

- **Regular Connection Checks:** Periodically inspect all connections to the fuse box and the dash cam to ensure they are secure and free from corrosion.
- **Fuse Box Cleanliness:** Keep your vehicle's fuse box area clean and dry to prevent electrical issues.
- **Battery Monitoring:** Utilize the real-time voltage display on the hardwire kit to monitor your vehicle's battery health. If you notice consistent low voltage readings, consider having your battery inspected.
- **Firmware Updates:** Regularly check for and install firmware updates for your 70mai dash cam. Updates often include performance improvements, bug fixes, and new features that can enhance the hardwire kit's functionality.
- **Cable Management:** Ensure all cables are neatly tucked away and secured to prevent interference with vehicle operation or damage from wear and tear.

7. TROUBLESHOOTING

If you encounter issues with your 70mai Adjustable Hardwire Kit UP06, consider the following common scenarios and solutions:

- **Dash Cam Not Recording in Parking Mode:**
    - Ensure the hardwire kit is correctly installed with ACC and VCC wires connected to appropriate power sources in the fuse box.
    - Check the low-voltage cut-off setting on the hardwire kit. If set too high, it might prematurely cut power. Adjust to a lower setting if your battery can support it.
    - Verify that parking surveillance mode is enabled in your dash cam's settings.

- **Inconsistent AI Motion Detection:**

- The AI motion detection is designed to filter out irrelevant movements (e.g., trees swaying). If critical motion is missed, ensure the sensitivity is set to 'Ultra High' in the dash cam settings.
- Consider enabling Time-lapse recording in conjunction with AI motion detection to ensure continuous coverage, as time-lapse provides a safeguard against missed AI events.

- **Impacts Not Detected in Parking Mode:**

  - Check the impact sensitivity setting in your dash cam. Ensure it is set to 'Ultra High'.
  - If impacts are still not detected, the sensor calibration might need adjustment. Refer to your dash cam's specific user manual for recalibration procedures.

- **Missing Seconds During Parking Mode Transitions:**

  - When switching between time-lapse and AI motion recording modes, there might be a brief delay (e.g., 4-7 seconds) where no video is recorded. This is a known behavior and may be addressed in future firmware updates.
  - Ensure your dash cam's firmware is up to date.

- **Rear/Cabin Camera Not Recording Motion:**

  - Currently, AI motion detection might primarily activate for the front camera. Verify your dash cam's settings to ensure all cameras are enabled for parking mode recording. Firmware updates may expand AI motion detection to all channels.

- **Battery Drains Too Quickly:**

  - Adjust the low-voltage cut-off setting to a higher value to prevent excessive battery discharge.
  - Consider disabling less critical camera channels (e.g., cabin or rear cam) or parking modes (e.g., AI motion detection if it triggers frequently) to reduce power consumption.
  - If your vehicle battery is old or weak, it may not hold a charge effectively. Consider having it tested or replaced.

8. Warranty and Support

70mai is committed to providing high-quality products and excellent customer service.

- **Warranty:** The 70mai Adjustable Hardwire Kit UP06 comes with an 18-month warranty from the date of purchase.
- **Customer Support:** 24-hour customer support is available to assist you with any product-related inquiries or issues.
- **Return Policy:** A 30-day return policy is offered for eligible products.

Contact Information:

- **Email:** help@70mai.com
- **Phone:** 1-877-746-6088 (Monday-Friday, 9 AM - 6 PM PST)