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ssontong Type C 3-Lead Hard Wire Kit

ssontong Dash Cam Hardwire Kit (Type C 3-Lead) Instruction Manual

Model: Type C 3-Lead Hard Wire Kit

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ssontong Dash Cam Hardwire Kit. This kit is designed to provide continuous power to your dash camera and other compatible devices, enabling features like 24-hour parking surveillance and low voltage protection.

2. SAFETY INFORMATION

- Ensure the vehicle's engine is off and the negative battery terminal is disconnected before installation to prevent short circuits.
- If you are unsure about any installation steps, consult a qualified automotive technician.
- Do not attempt to modify the hardwire kit. Unauthorized modifications may void the warranty and pose safety risks.
- This product is not an RF Device.

3. PACKAGE CONTENTS

The ssontong Dash Cam Hardwire Kit includes the following items:

- 1 x Dash Cam Hardwire Kit (Type C 3-Lead, 13ft charger power cord)
- 2 x Low-Profile Mini Fuse Adapter
- 2 x Mini Fuse Adapter
- 2 x ATO (Regular) Fuse Adapter
- 2 x Micro2 Fuse Adapter
- 1 x Shielding Magnetic Ring
- Clips and Crowbar for installation
- 1 x User Manual

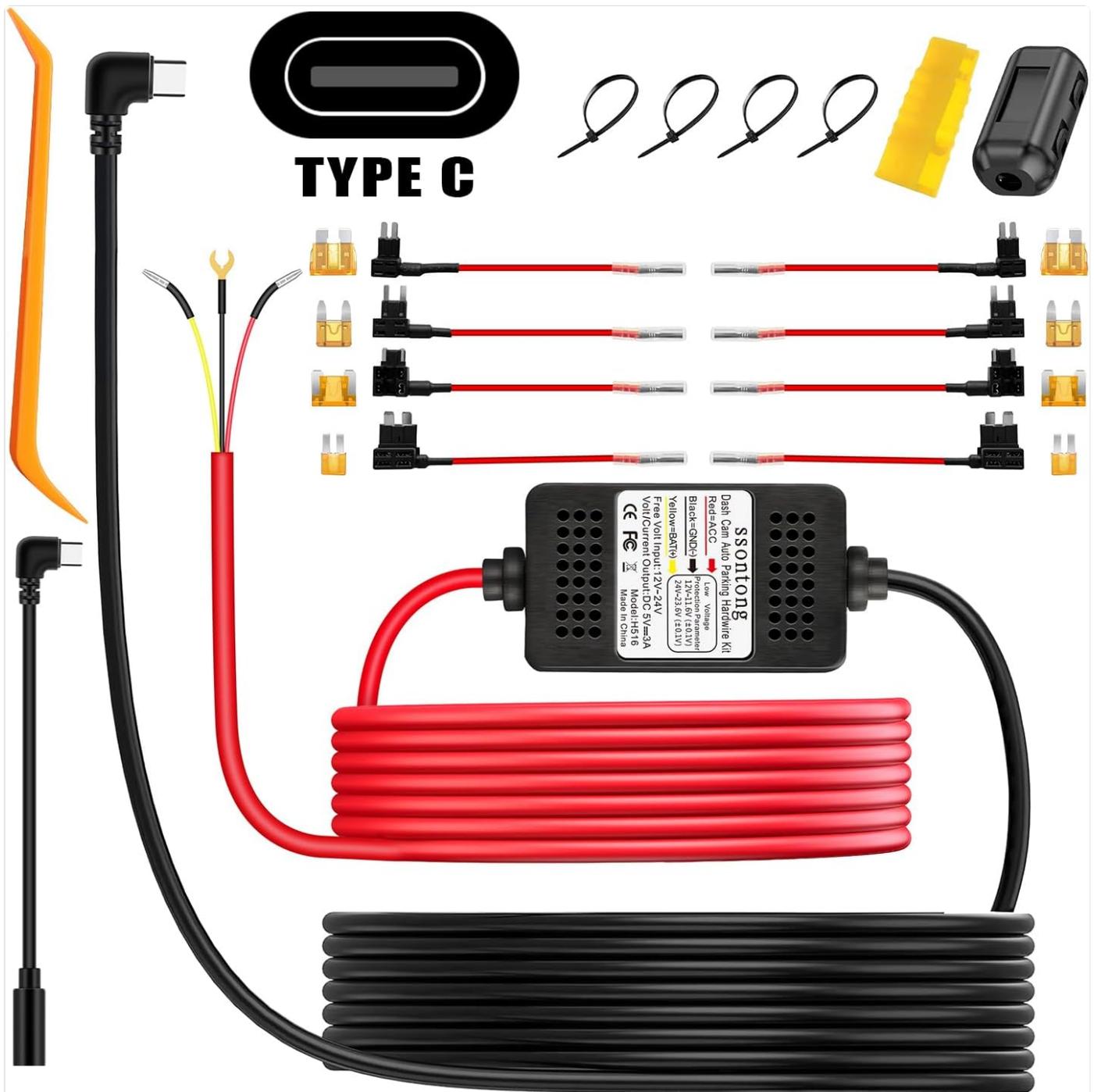


Figure 1: All components included in the ssonotong Dash Cam Hardwire Kit. This image displays the main hardwire cable with Type C connector, various fuse adapters (Low-Profile Mini, Mini, ATO, Micro2), cable clips, a pry bar, and a magnetic ring.

4. PRODUCT OVERVIEW

The hardwire kit converts 12V-24V vehicle power to 5V/3A for your dash cam. It features a 3-lead design for ACC detection and continuous power, along with built-in low voltage protection.

4.1 Key Features

- **Wide Compatibility:** Compatible with most dash cams, car DVRs, GPS navigators, and radar detectors using a Type C USB port. Supports 12V-24V input.
- **Low Voltage Protection:** Automatically cuts power to the dash cam when the vehicle battery voltage drops below a preset threshold (11.4V for 12V input or 23.2V for 24V input) to prevent battery drain.
- **24-Hour Parking Surveillance:** Provides continuous power to the dash cam even when the engine is off, enabling parking mode features.
- **ACC Mode 3-Lead Design:** Supports ACC detection for proper parking mode functionality.

- **Easy Installation:** Designed for straightforward installation, replacing the need for a car cigarette lighter socket.
- **Anti-Interference Magnetic Ring:** Included to help reduce interference with car radios.



Figure 2: Diagram illustrating the wide compatibility of the hardware kit with various devices such as dash cams, mirror dash cams, GPS units, radar detectors, and phones, all utilizing a Type C USB connection.

5. SETUP AND INSTALLATION

Follow these steps carefully to install your ssontong Dash Cam Hardwire Kit.

5.1 Identifying Fuse Box Location

1. Locate your vehicle's fuse box. Common locations include under the dashboard (driver or passenger side), in the glove compartment, or in the engine bay. Refer to your vehicle's owner's manual for the exact location.
2. Use the included pry bar to carefully remove the fuse box cover.

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Video 1: This video demonstrates how to locate and open the car's fuse box using the provided pry bar, revealing the fuses inside.

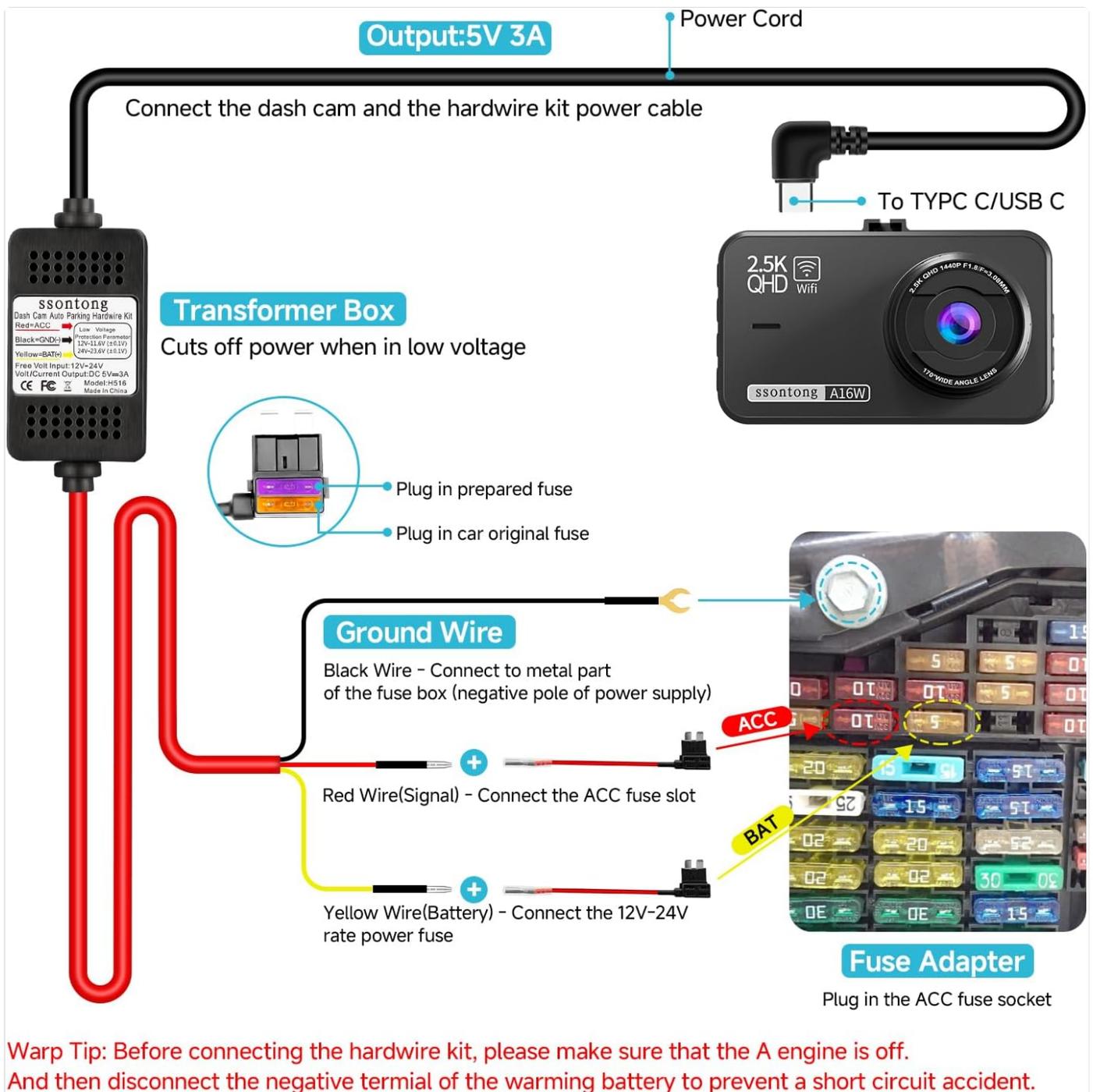


Figure 3: An illustration showing the fuse box layout, indicating where the ACC (red wire), BAT+ (yellow wire), and Ground (black wire) should be connected. It also highlights the two slots on each fuse tap for the original fuse and the ssontong fuse.

5.2 Selecting the Correct Fuse Adapters

1. The kit includes various fuse adapters (Low-Profile Mini, Mini, ATO, Micro2) to fit different car models. Compare your vehicle's existing fuses with the provided adapters to select the correct type.
2. Each fuse tap has two slots: one for the original fuse from your car and one for the new fuse provided with the hardwire kit. Ensure both fuses are correctly inserted into the tap.

4 Types Dual-Slot Fuse Holder (2Sets)

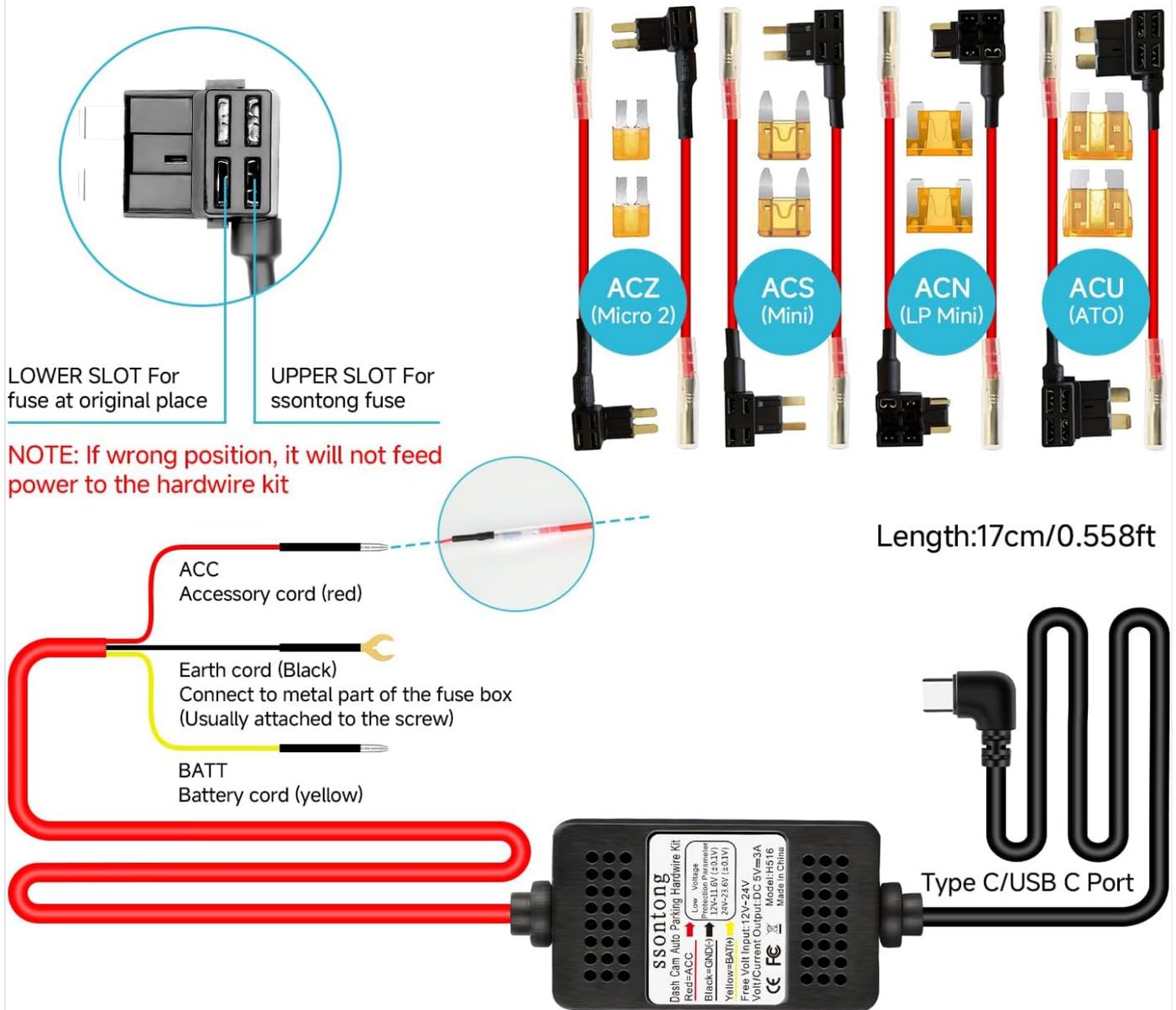


Figure 4: This image displays the four types of dual-slot fuse holders (ACZ/Micro2, ACS/Mini, ACN/LP Mini, ACU/ATO) included in the kit, designed for wide compatibility with various vehicle fuse boxes.

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Video 2: This video provides a detailed guide on how to install the REDTIGER Hardwire Kit, including identifying fuse types and connecting the wires to the fuse box.

5.3 Connecting the Wires

1. **Yellow Wire (BAT+):** Connect the yellow wire to a fuse slot that provides constant power (always on), even when the vehicle is off. Use a multimeter or circuit tester to identify such a fuse.
2. **Red Wire (ACC):** Connect the red wire to a fuse slot that only receives power when the vehicle's ignition is on (ACC power). Use a multimeter or circuit tester to identify this.
3. **Black Wire (Ground):** Connect the black wire to any unpainted metal part of the vehicle's chassis or a designated ground screw.

Important: Before connecting the hardwire kit, ensure the vehicle's engine is off and disconnect the negative terminal of the battery to prevent a short circuit.

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Video 3: This video demonstrates the process of connecting the hardwire kit's B+ (yellow) and ACC (red) wires to the appropriate fuse slots in the vehicle's fuse box, and the ground wire to a metal point.

5.4 Routing the Cable

1. Connect the Type C connector of the hardwire kit to your dash cam.
2. Carefully route the 13ft power cord from the fuse box to your dash cam's mounting location. Use the included clips and pry bar to tuck the cable neatly along the vehicle's interior panels, such as the windshield gap, A-pillar, and headliner.
3. Ensure the cable does not interfere with airbags, pedals, or other moving parts.



Figure 5: Step-by-step visual guide for easy hardwire kit installation, including finding the fuse box, identifying fuse types, inserting cables, locating a ground point, and neatly tucking cables.

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Video 4: This video demonstrates the process of routing the hardwire cable from the fuse box to the dash cam, ensuring it is hidden and does not obstruct any vehicle functions.

5.5 Final Test

Once all connections are made and the cable is routed, reconnect the negative battery terminal. Start your vehicle to ensure the dash cam powers on correctly and switches to parking mode when the ignition is turned off.

6. OPERATING INSTRUCTIONS

6.1 24-Hour Parking Surveillance

With the hardwire kit correctly installed, your dash cam will receive continuous power, allowing it to monitor your vehicle even when the engine is off. This enables features such as collision detection and motion detection during parking.



Figure 6: An illustration showing how the hardwire kit provides 24/7 power to the dash cam, enabling continuous recording and parking surveillance features like collision and motion detection.

6.2 Low Voltage Protection

The hardwire kit is equipped with a sensitive voltage sensing switch. It continuously monitors your car battery's voltage. If the voltage drops below 11.4V (for 12V systems) or 23.2V (for 24V systems), the kit will automatically cut off power to the dash cam. This ensures enough power remains to start your vehicle's engine and protects your battery from excessive discharge.

Low-Voltage Battery Drain Protection

Auto shut down when input voltage drops to under 11.6V(23.2V for 24V input) Leaving enough power to ignite engine



Battery Drain Protection



Over-current Protection



Short-circuit Protection



Reverse Connection Protection



Overheat Protection



Figure 7: This image highlights the low-voltage battery drain protection feature, showing how the system automatically shuts down when input voltage drops below critical levels to protect the car battery. It also lists other protections like over-current, short-circuit, reverse connection, and overheat protection.

7. MAINTENANCE

- Regularly check all connections to ensure they are secure.
- Keep the hardwire kit and dash cam free from dust and moisture.
- If you experience any issues, refer to the troubleshooting section or contact customer support.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Dash cam does not power on.	Incorrect fuse connection; Blown fuse; Loose ground wire; Low vehicle battery voltage.	Check fuse connections (BAT+ and ACC); Replace blown fuses; Secure ground wire connection; Check vehicle battery voltage.
Parking mode not working.	ACC wire not connected correctly; Dash cam settings not configured for parking mode.	Ensure ACC wire is connected to an ignition-switched fuse; Configure parking mode settings in your dash cam.
Radio interference.	Electromagnetic interference from the hardwire kit.	Ensure the shielding magnetic ring is installed on the cable.
Battery drains quickly.	Low voltage protection not functioning or set too low.	Verify low voltage protection settings are correct (11.4V/23.2V).

9. SPECIFICATIONS

- **Input Voltage:** 12V-24V DC
- **Output Voltage:** 5V/3A
- **Connector Type:** USB Type C
- **Cable Length:** 13 feet
- **Low Voltage Protection (12V):** Cuts off at 11.4V
- **Low Voltage Protection (24V):** Cuts off at 23.2V
- **Operating Temperature:** -40°F to 160°F
- **Special Features:** Low Voltage Protection, Over-current Protection, Short-circuit Protection, Reverse Connection Protection, Overheat Protection.

10. WARRANTY AND SUPPORT

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

- **Quality Protection:** This product comes with 1 Year Quality Protection.
- **After-Sales Support:** We offer Lifetime After-Sales Support.
- **Contact Us:** For any problems or questions regarding your ssontong Dash Cam Hardwire Kit, please feel free to contact us. We will reply within 12 hours and ensure your satisfaction.