Aramox Aramoxrbsz315gpy-13

Aramox Dash Cam Hardwire Kit (Type C) Instruction Manual

Model: Aramoxrbsz315gpy-13

1. Introduction

This manual provides detailed instructions for the installation and operation of your Aramox Dash Cam Hardwire Kit (Type C). This kit is designed to provide a continuous power supply to your dash camera or other compatible devices, ensuring 24-hour surveillance and freeing up your vehicle's cigarette lighter socket.

2. Product Overview

2.1. Package Contents

- 1 x Bucking Cable (Voltage Reduction Cable)
- 4 x Fuse Taps (Picker)
- 4 x Fuses
- 1 x Installation Pry Board
- 1 x Instruction Manual

2.2. Key Features

- **Durable Construction:** Made from high-grade ABS, rubber, and metal for long-lasting performance.
- **Advanced Safety:** Equipped with a switching power supply module and built-in safeguards against excessive current and overheating.
- **Interference-Free Operation:** Hardwiring eliminates electrical noise often associated with cigarette lighter adapters, improving recording quality.
- **24-Hour Surveillance:** Provides continuous power to your dash cam from the car battery or power box.
- **Clean Installation:** Designed for neat, clutter-free wiring, preserving your car's interior aesthetics.

2.3. Product Components



Image 1: Overview of the Aramox Dash Cam Hardwire Kit components. This includes various fuse taps, the main voltage reduction cable with a Type C USB output, and an installation pry tool.

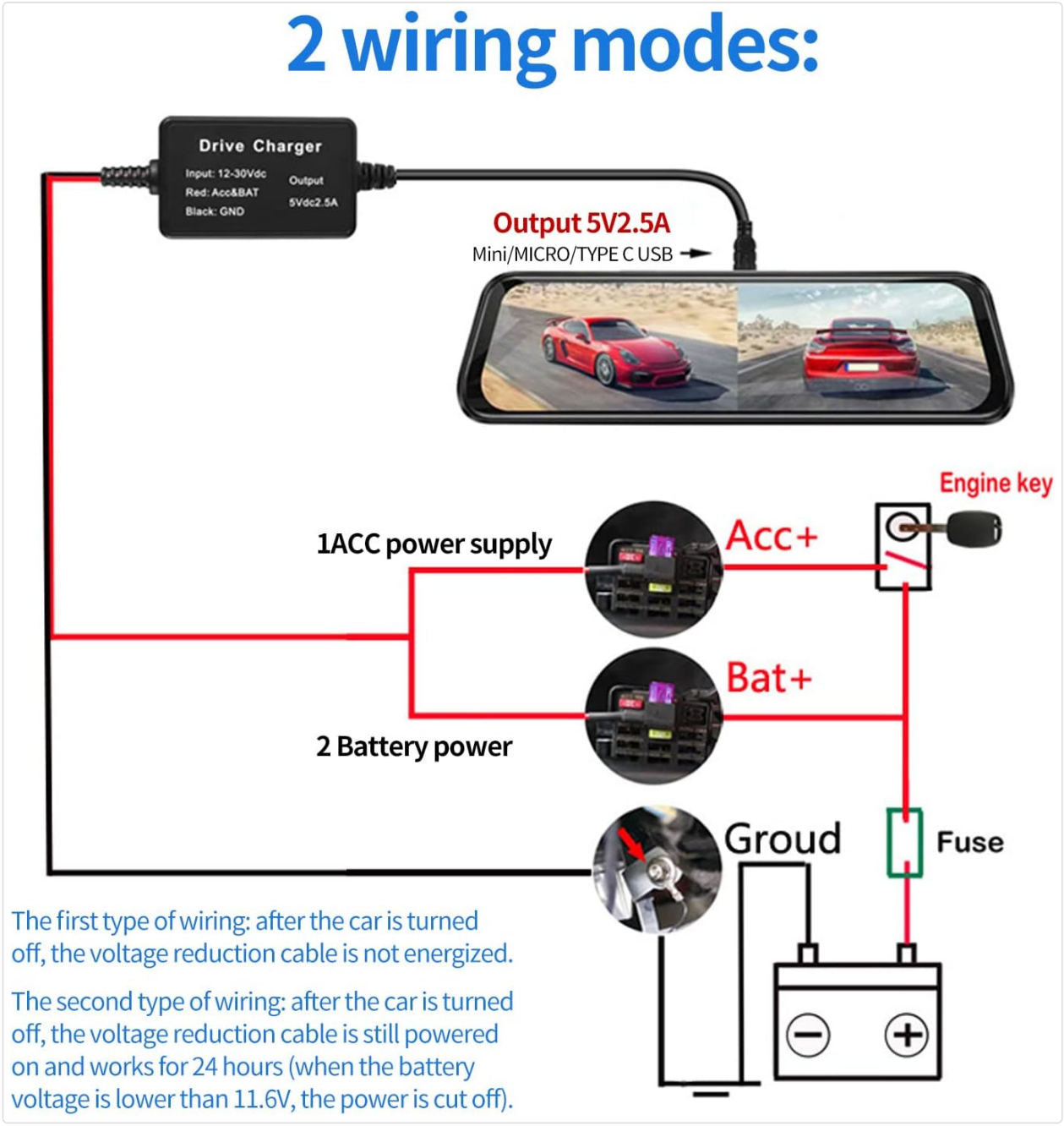


Image 2: Close-up view of the 'Drive Charger' module. It displays input specifications (12-30Vdc) and output specifications (5Vdc 2.5A), along with wiring labels for Red (Acc&BAT) and Black (GND).



Image 3: Detailed view of the hardwire kit's cable ends. One end features a fork terminal for ground connection, and the other is designed to connect to a fuse tap for power.

3. Specifications

Specification	Value
Voltage Reduction Cable Length	Approx. 3.2m
Input Voltage	12-30V
Output Voltage and Current	5V / 2.5A
Low Voltage Cut-off	11.6V
Maximum Power	10W
Operating Temperature	-20-70℃
Connectivity Technology	USB (Type C)
Item Weight	5.3 ounces
Package Dimensions	7.17 x 4.8 x 1.22 inches

4. Installation Guide

Proper installation is crucial for the optimal performance and safety of your hardwire kit. Please follow these steps carefully.

4.1. Compatibility



Image 4: The hardwire kit is compatible with various electronic devices, including dash cameras, radar detectors, and GPS navigators, providing a stable 5V 2.5A power output.

4.2. Wiring Modes

The hardwire kit supports two primary wiring configurations:

1. **ACC Power Supply:** The kit receives power only when the vehicle's ignition is on. When the car is turned off, the power supply to the dash cam ceases.
2. **Battery Power (24-Hour Surveillance):** The kit is connected directly to the car battery, providing continuous power to the dash cam even when the vehicle is off. This mode includes low voltage protection, automatically cutting off power if the battery voltage drops below 11.6V to prevent draining the car battery.



Image 5: This diagram illustrates the two wiring modes. The red wire can be connected to an ACC+ fuse for ignition-switched power, or to a BAT+ fuse for constant 24-hour power. The black wire connects to a ground point.

4.3. Step-by-Step Installation

Before starting, ensure your vehicle is turned off and the ignition key is removed.

1. **Locate the Fuse Box:** Identify your vehicle's fuse box, typically found under the dashboard, in the glove compartment, or under the hood. Refer to your vehicle's owner's manual if needed.
2. **Determine Fuse Slots:** Using a circuit tester (not included) or your vehicle's manual, identify a fuse slot for ACC power (powers on with ignition) and/or a constant power (BAT+) fuse slot (always powered).
3. **Install Fuse Taps:** Select the appropriate fuse tap from the kit. Insert an existing fuse from your chosen slot into the lower slot of the fuse tap. Insert a new fuse (provided in the kit) into the upper slot of the fuse tap. Plug the fuse tap into the chosen fuse slot in your vehicle's fuse box.
4. **Connect Power Wire:** Connect the red wire of the hardwire kit to the fuse tap. Ensure a secure connection.
5. **Connect Ground Wire:** Locate a metal bolt or screw on the vehicle's chassis that is directly connected to the car's metal frame. Securely attach the black wire (fork terminal) of the hardwire kit to this ground point.
6. **Test Power:** Turn on your vehicle's ignition (if using ACC power) or simply connect the dash cam (if using constant power) to the Type C USB output of the hardwire kit to ensure it powers on correctly.
7. **Route Cables:** Use the included pry tool to neatly tuck the cables along the vehicle's headliner, A-pillar, and dashboard edges to conceal them and maintain a clean interior.



Image 6: Visual guide for installation steps: 1. Find the fuse box. 2. Determine the fuse slot. 3. Install the fuse tap. 4. Connect the black wire to a ground screw. 5. Power on and test the recorder. 6. Layout and route the wiring.



Image 7: Simplified installation diagram showing the red input wire connected to either ACC+ or BAT+ (12-24V) and the black wire connected to a ground point. The Type C USB output (5V 2.5A) connects to the dash cam.

4.4. Benefits of Hardwiring



Image 8: Hardwiring the dash cam frees up the vehicle's cigarette lighter socket, allowing it to be used for other essential accessories or charging devices.



Image 9: The 24-hour surveillance feature ensures continuous recording. The system includes low voltage protection, automatically cutting off power if the car battery voltage drops below 11.6V to safeguard the battery.

5. Operating Instructions

Once correctly installed, the Aramox Dash Cam Hardwire Kit operates automatically based on your chosen wiring mode:

- **ACC Power:** Your dash cam will power on when the vehicle's ignition is turned on and power off when the ignition is turned off.
- **Battery Power (24-Hour Surveillance):** Your dash cam will receive continuous power. The built-in low voltage protection will monitor your car battery's voltage and automatically cut off power to the dash cam if the voltage drops below 11.6V, preventing battery drain.

No further user interaction is required for the hardwire kit itself after installation.

6. Maintenance

The Aramox Dash Cam Hardwire Kit is designed for durability and requires minimal maintenance. Consider the

following:

- **Regular Checks:** Periodically inspect the visible wiring for any signs of wear, damage, or loose connections.
- **Cleanliness:** Keep the area around the fuse box and the hardwire kit module clean and free from dust or debris.
- **Fuse Replacement:** If a fuse blows, replace it with a fuse of the same amperage rating. Always use the correct fuse type.
- **Environmental Conditions:** Ensure the hardwire kit is not exposed to extreme moisture or temperatures outside its operating range (-20°C to 70°C).

7. Troubleshooting

If you encounter issues with your hardwire kit, refer to the following common problems and solutions:

- **Dash Cam Not Powering On:**
  - Check all connections: Ensure the red wire is securely connected to the fuse tap and the black wire to a good ground point.
  - Verify fuse integrity: Check both the original fuse and the fuse in the fuse tap. Replace any blown fuses.
  - Confirm fuse slot: Ensure the fuse tap is inserted into an active fuse slot (ACC or constant, depending on your desired mode).
  - Test dash cam: Connect your dash cam to another 5V USB power source to confirm the dash cam itself is functional.
- **Dash Cam Powers Off When Car is Off (in 24-hour mode):**
  - Check wiring: Ensure the red wire is connected to a constant power (BAT+) fuse slot, not an ACC fuse slot.
  - Battery voltage: The low voltage protection may have activated if your car battery voltage dropped below 11.6V. Charge your car battery if necessary.
- **Intermittent Power:**
  - Loose connections: Re-check all wiring connections, especially the ground wire, for tightness.
  - Damaged cable: Inspect the hardwire cable for any visible damage or kinks.

8. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Aramox customer service directly. Keep your proof of purchase for warranty claims.