Range Tour USB-C

Range Tour USB-C Dash Cam Hardwire Kit Instruction Manual

Model: USB-C Hardwire Kit

Brand: Range Tour

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Range Tour USB-C Dash Cam Hardwire Kit. This kit is designed to provide continuous power to your dash camera, enabling 24-hour surveillance and protecting your vehicle's battery from discharge.

Safety Information

- Ensure the vehicle's engine is off before attempting any installation or wiring.
- If you are uncertain about your car's electrical system, it is highly recommended to seek assistance from a qualified professional.
- Always test the hardwire kit before final installation to confirm proper functionality.
- This product is not a toy. To avoid choking hazards, keep all packaging and small components away from babies and children.

Package Contents

Please verify that all items listed below are included in your package:

- 1 x USB-C Hardwire Kit (with integrated voltage protection module and fuse taps)
- 1 x Pry Tool
- 2 x Cable Ties (Velcro straps)
- 3 x Adhesive Cable Clips



Image: All components included in the Hardwire Kit package, including the main cable, fuse taps, cable ties, adhesive clips, and a pry tool.

Your browser does not support the video tag.

Video: An unboxing demonstration of the Range Tour USB-C Dash Cam Hardwire Kit, showing all included accessories and the main hardwire cable.

Setup and Installation

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

1. Identify Fuse Types and Locations

The hardwire kit uses a 15A Mini-type (ACS) fuse. Ensure your car's fuse box supports this type. If unsure, consult your vehicle's manual or measure an existing fuse.



Image: Illustration showing the compatible ACS (Mini) fuse type and incompatible fuse types (ACN, ACZ, ATO).

Locate your vehicle's fuse box. The position may vary by car model (e.g., under the dashboard, in the engine bay, or in the trunk).

2. Identify ACC and BAT Fuse Slots

You will need to identify two specific fuse slots:

- **BAT (Battery) Slot:** This slot provides constant power even when the ignition is off. Use a multimeter or a circuit tester to find a fuse slot that has power when the ignition is turned off.

- **ACC (Accessory) Slot:** This slot provides power only when the ignition is on. Use a multimeter or a circuit tester to find a fuse slot that has power only when the ignition is turned on (should read 12-24V).



Image: A circuit tester being used to identify BAT (constant power) and ACC (ignition-switched power) fuse slots in a vehicle's fuse box.

Important Note: Some users have reported that the red (ACC) and yellow (BAT) wires on some units might be reversed. Always verify the power source with a multimeter or circuit tester before making final connections to avoid draining your car battery.

3. Connect the Hardwire Kit

- Connect the **yellow cable (BATT)** to the identified constant power fuse slot using the provided fuse tap.
- Connect the **red cable (ACC)** to the identified ignition-switched power fuse slot using the provided fuse tap.
- Connect the **black cable (GND)** to a metal part of the vehicle's chassis or a suitable ground point in the fuse box.



Image: A detailed wiring diagram showing the connection points for the yellow (BAT), red (ACC), and black (GND) wires to the car's fuse box and chassis.



Image: Step-by-step visual guide for opening the fuse box, determining the fuse slot, and connecting the ground wire.

4. Route the Cable and Connect to Dash Cam

Carefully route the 3.5-meter (11.5 ft) USB-C cable from the fuse box to your dash camera, tucking it neatly along the vehicle's interior trim using the provided pry tool and adhesive clips. Connect the USB-C end to your dash camera.



Image: Visual representation of how to route the hardwire cable discreetly along the car's A-pillar and headliner to the dash cam.

Operating Instructions

Once installed, the hardwire kit operates automatically to provide power and protection to your dash camera.

24-Hour Surveillance

The hardwire kit enables your dash camera to receive continuous power from the car battery, allowing for 24-hour surveillance. This feature is active even when the car is turned off, provided your dash cam supports a parking mode (e.g., G-sensor or Time-lapse recording).



Image: Diagram illustrating the 24-hour surveillance capability of the hardwire kit, providing continuous power to the dash cam.

Low Voltage Protection

The kit features a sensitive voltage sensing switch that continuously monitors your car battery's voltage. To prevent battery drain and ensure enough power to ignite the engine, the power supply to the dash cam will automatically cut off if the voltage drops below a preset threshold:

- For 12V systems: Power cuts off if voltage is lower than 11.7V (±0.1V).
- For 24V systems: Power cuts off if voltage is lower than 23.7V (±0.1V).



Image: Detailed specifications of the low voltage protection feature, showing cutoff thresholds for 12V and 24V systems.

Dash Cam Parking Mode Compatibility

For the 24-hour surveillance feature to work, your dash cam must have a parking monitoring function. This typically involves a G-sensor or Time-lapse recording setting. Consult your dash cam's manual to enable or verify this feature.



Image: Examples of dash cam menu interfaces showing options for parking mode, G-sensor, and Time-lapse settings.

Maintenance

The Range Tour Hardwire Kit requires minimal maintenance. Periodically inspect the wiring and connections to ensure they remain secure and free from damage. Avoid exposing the unit to extreme temperatures or moisture beyond its operating specifications.

Troubleshooting

Problem	Possible Cause	Solution
Dash cam does not power on after installation.	Incorrect wiring (ACC/BAT reversed), loose connections, incorrect fuse type, dash cam not compatible.	Verify ACC and BAT connections using a multimeter. Ensure red wire is ACC and yellow is BAT. Check all connections for tightness. Confirm the fuse type is ACS Mini and is properly seated. Ensure your dash cam is compatible with a USB-C hardwire kit.
Car battery drains quickly.	Dash cam parking mode settings are too aggressive, low voltage protection not functioning, or incorrect BAT connection.	Adjust dash cam parking mode settings (e.g., motion sensitivity, recording duration). Re-verify the BAT connection to ensure it's a constant power source and not an ignition-switched one. Confirm the hardwire kit's low voltage protection is active.
Dash cam does not switch to parking mode.	Dash cam settings not configured for parking mode, or dash cam does not support parking mode.	Refer to your dash cam's manual to enable and configure parking mode. Ensure your dash cam model supports parking mode functionality.

If issues persist, consider consulting a professional auto electrician.

Specifications

Product Dimensions	2.36 x 1.57 x 3.15 inches (Control Module)
Item Weight	4.2 ounces (0.12 Kilograms)
Input Voltage	DC 12V-24V
Output Voltage/Current	DC 5V / 2.5A (also fits for 1-2A devices)
Low Voltage Protection (12V)	11.7V (±0.1V)
Low Voltage Protection (24V)	23.7V (±0.1V)
Cable Length	3.5 meters (approx. 11.5 feet)
Connector Type	USB-C
Compatible Devices	Dash Cam, GPS, Mirror cam (with USB-C Interface)

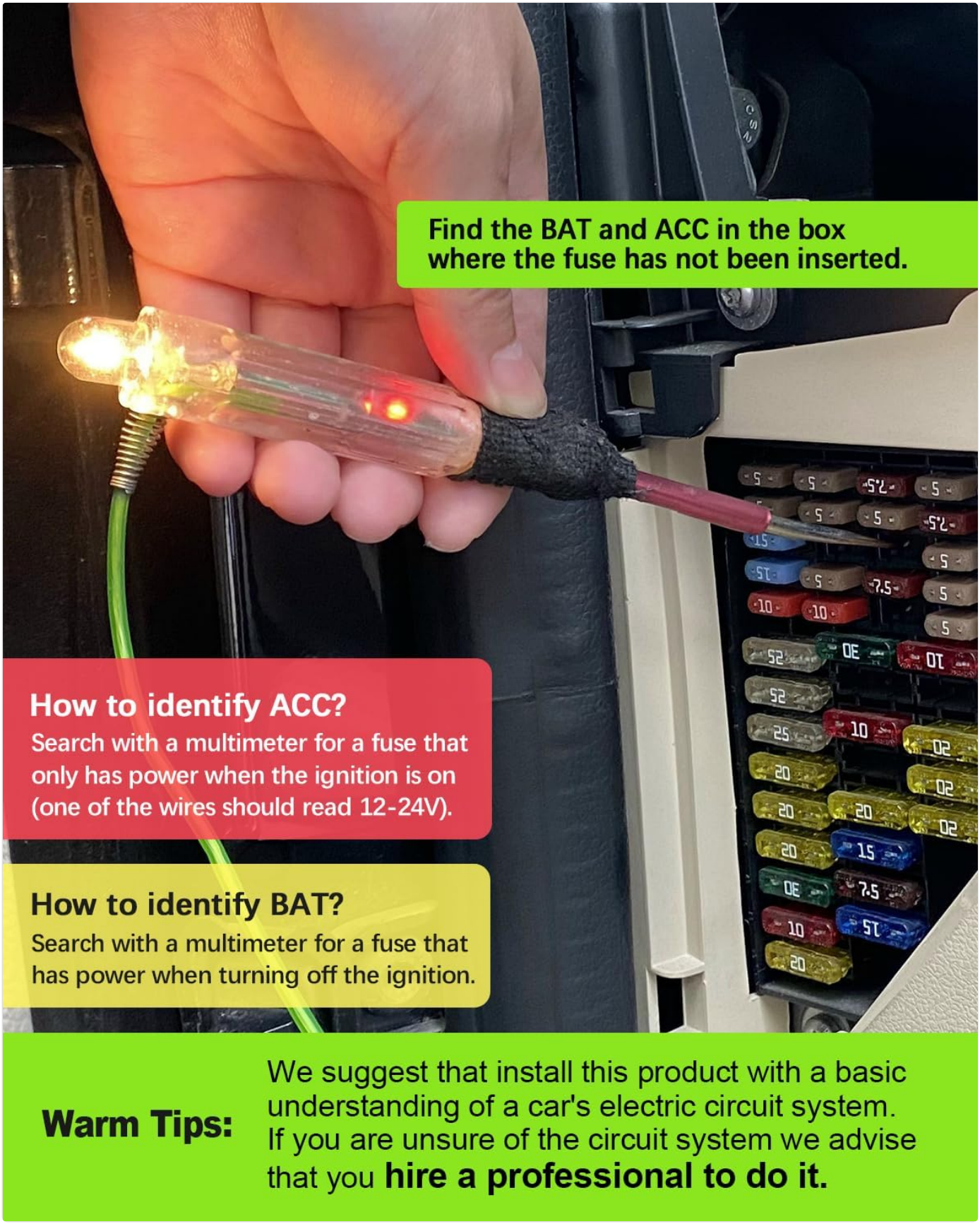


Image: Visual representation of the hardwire kit's dimensions and cable length.

Warranty and Support

Specific warranty details are not provided in this manual. For warranty claims or technical support, please contact Range Tour customer service directly.

Email Support: RangeTour.SERVICE@gmail.com

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