

REDTIGER H30G

REDTIGER Dash Cam Multi-Size Hardwire Kit User Manual

Model: H30G

INTRODUCTION

Thank you for choosing the REDTIGER Multi-Size Hardwire Kit. This kit is designed to provide continuous power to your REDTIGER dash cam, enabling 24-hour parking monitoring and protecting your vehicle's battery from discharge. It features multi-voltage adaptability, supporting 12V to 24V inputs, and delivers a stable 5V/3A MAX output via a Type-C port. This manual will guide you through the installation process and explain the key features of your hardwire kit.

WHAT'S IN THE BOX

The REDTIGER Multi-Size Hardwire Kit package includes the following components:

- REDTIGER Hardwire Kit (with USB-C connector)
- Various types of Fuse Adapters (4 types included)
- Fuse Puller
- Installation Pry Tool

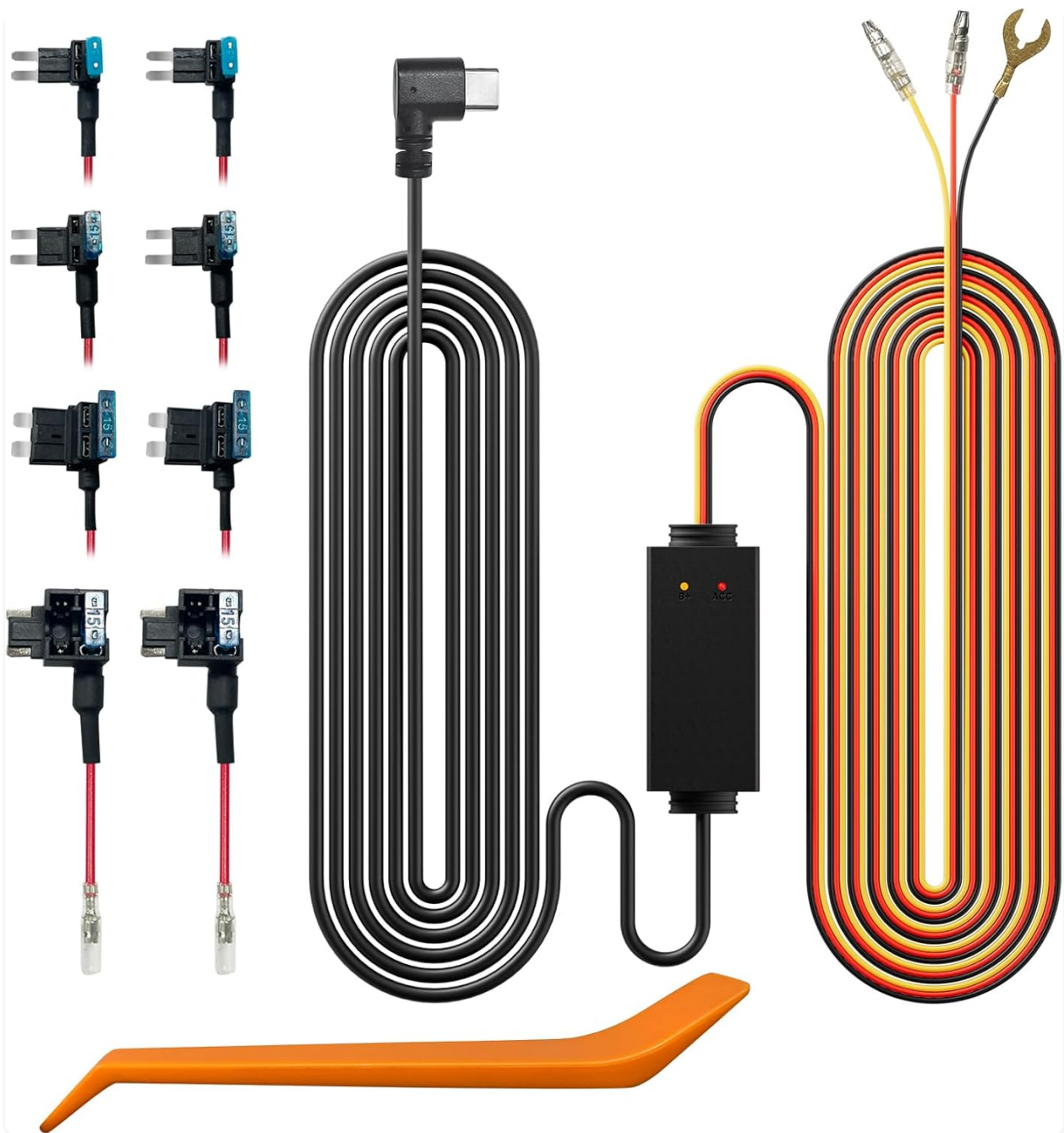


Image: All components included in the REDTIGER Hardwire Kit package.

SPECIFICATIONS

Model Name	H30G
Input Voltage	DC 12V-24V
Output Voltage/Current	DC 5V/3A MAX
Power Port Type	USB Type-C
Cable Length	11.5 ft (approx. 3.5 meters)

Special Features	24H Parking Monitoring, Low Voltage Protection, Over-current Protection, Short-circuit Protection, Reverse Connection Protection, Overheat Protection
Compatible Vehicle Types	Car, Minivan, RV, Truck (12V-24V systems)
Product Dimensions	19 x 1.9 x 1.9 inches
Item Weight	6.4 ounces

INSTALLATION GUIDE

Before beginning the installation, ensure your vehicle is turned off and the ignition key is removed. It is recommended to refer to your vehicle's manual for specific fuse box locations and wiring diagrams. If you are unsure, seek professional assistance.



Image: The four types of fuse adapters provided for compatibility with different vehicle fuse boxes.

1. **Prepare for Installation:** Ensure everything is ready and safe before installation. Gather your tools, including the provided pry tool and fuse puller.
2. **Locate the Fuse Box:** The car's fuse box is typically located under the dashboard on the driver's side, in the glove compartment, or in the engine compartment. Consult your vehicle's manual for the exact location.
3. **Identify a Grounding Point:** Find a suitable grounding point near the fuse box. This should be a metal surface that is securely connected to the vehicle's chassis. Connect the black wire from the hardwire kit to this grounding point using the ring terminal or a suitable grounding connector.



Image: Connecting the black ground wire.

4. Identify Fuse Slots:

- **ACC (Accessory) Fuse Slot:** This slot provides power only when the ignition is on.
- **Constant Power (B+) Fuse Slot:** This slot provides power even when the ignition is off, essential for parking monitoring.



Image: Example of a vehicle's fuse box.

5. **Connect the Constant Power (Yellow Wire):** Connect the yellow wire from the hardwire kit to the constant power (B+) fuse slot using the appropriate fuse adapter. If the B+ port is correctly inserted, the yellow indicator light on the hardwire kit will be on, regardless of whether the engine is turned off or on.



Image: Connecting the yellow wire to the constant power (B+) fuse slot.

6. **Connect the ACC (Red Wire):** Connect the red wire from the hardwire kit to the ACC fuse slot using the

appropriate fuse adapter. If the ACC port is inserted correctly, the red indicator light will be on when the engine is started, but it will turn off when the engine is turned off.



Image: Connecting the red wire to the ACC fuse slot.

7. **Route the Cable:** Once all connections are secure, carefully tuck away any excess wires and ensure they are safely routed to avoid interference with the vehicle's controls or pedals. Use the pry tool to neatly hide the cable along the vehicle's interior trim.



Image: Recommended cable routing for a clean installation.

8. **Test the Hardwire Kit:** Turn on the ignition. The dash cam should receive power and start functioning. Verify that the indicator lights on the hardwire kit behave as described (yellow always on, red on with ignition).

Important Note: This hardwire kit is specifically designed for REDTIGER dash cams. Other brands of hardwire kits may not be compatible with REDTIGER dash cams, and vice-versa.

OPERATION AND FEATURES

24-Hour Parking Monitoring

The REDTIGER hardwire kit enables your dash cam to continuously monitor your vehicle even when the engine is off. This feature provides surveillance against potential incidents like hit-and-runs or vandalism while your vehicle is parked.



Image: Visual representation of 24-hour parking monitoring.

Low Voltage Protection

To prevent your vehicle's battery from draining completely, the hardwire kit includes a low voltage protection feature. When the voltage drops below 11.8V ($\pm 0.2V$), the kit will automatically cut off power to the dash cam after 60 seconds. This ensures enough power remains to start your vehicle.



Image: Illustration of the low voltage protection mechanism.

Dual Indicator Lights

The hardwire kit features two indicator lights (yellow and red) to help confirm correct installation and operation:

- **Yellow Light:** Indicates that the constant power (B+) connection is active. This light should be on at all times, regardless of ignition status.
- **Red Light:** Indicates that the ACC (Accessory) connection is active. This light should only be on when the vehicle's ignition is turned on.

MAINTENANCE

The REDTIGER Hardwire Kit requires minimal maintenance. To ensure optimal performance and longevity:

- Periodically check all connections (fuse taps, ground wire) to ensure they remain secure and free from corrosion.
- Ensure the cables are not pinched or exposed to excessive heat or sharp edges.
- Keep the hardwire unit clean and free from dust or debris.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Dash cam does not power on after installation.	Incorrect wiring, blown fuse, loose connection, incompatible dash cam.	Verify all connections (ground, ACC, B+). Check the fuses in the fuse box and the fuse taps. Ensure the hardwire kit is firmly connected to the dash cam's Type-C port. Confirm your dash cam is a REDTIGER model.
Yellow indicator light is off.	Constant power (B+) wire not connected correctly or no power from the B+ fuse slot.	Recheck the connection of the yellow wire to the B+ fuse slot. Ensure the fuse slot provides constant power.

Red indicator light is off when ignition is on.	ACC wire not connected correctly or no power from the ACC fuse slot when ignition is on.	Recheck the connection of the red wire to the ACC fuse slot. Ensure the fuse slot provides power only when the ignition is on.
Dash cam turns off immediately after engine is off, despite parking monitoring.	Yellow (B+) wire not connected or not receiving constant power.	Ensure the yellow wire is connected to a fuse slot that provides continuous power even when the vehicle is off.
Vehicle battery drains quickly.	Low voltage protection not functioning, or vehicle battery is old/weak.	Verify the hardwire kit's low voltage protection is working. If the issue persists, have your vehicle's battery checked by a professional.

If you continue to experience issues after following these troubleshooting steps, please contact REDTIGER customer support for professional assistance.

WARRANTY AND SUPPORT

Warranty Information

REDTIGER provides an **18-month replacement assurance** for quality problems with this hardwire kit. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.



18 Months Protection



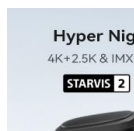
7 Days Return Policy



Return on Defects

Customer Support

For any professional help or inquiries, please do not hesitate to reach out to REDTIGER customer support. We are committed to providing excellent service.



24H Support



Email Support



Phone Support

