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› [REDTIGER Dash Cam OBD Hardwire Kit \(Model RTH30GSO\) Instruction Manual](#)

## REDTIGER RTH30GSO

# REDTIGER Dash Cam OBD Hardwire Kit (Model RTH30GSO) Instruction Manual

Model: RTH30GSO | Brand: REDTIGER

## 1. PRODUCT OVERVIEW

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The REDTIGER Dash Cam OBD Hardwire Kit with USB C Port is designed to provide continuous power to your REDTIGER dash camera for 24/7 parking monitoring. This kit ensures your dash cam remains operational even when the vehicle's engine is off, offering low voltage protection to prevent battery drain. It supports a wide input voltage range of 12V-24V and delivers a stable 5V/3A MAX output via its Type-C port, making it compatible with various REDTIGER dash cam models.

## 2. KEY FEATURES

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- **24/7 Parking Monitoring:** Provides continuous power to your REDTIGER dash cam for uninterrupted surveillance, even when the vehicle is parked.
- **Universal Fit:** Compatible with 12V to 24V vehicle electrical systems, delivering a consistent 5V/3A MAX output via a Type-C port for various REDTIGER dash cam series.
- **Easy Installation:** Draws power directly from the OBD port, simplifying the setup process with a clean, non-invasive installation.
- **Extended Compatibility:** Engineered to work with most vehicles and features a Type-C USB port for broad device compatibility.
- **Low Voltage Protection:** Automatically cuts off power to the dash cam if the vehicle's battery voltage drops below a user-selectable threshold, preventing complete battery discharge.

## 3. PACKAGE CONTENTS

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The REDTIGER Dash Cam OBD Hardwire Kit includes the following components:

- OBD Hardwire Kit with USB C Port
- User Manual



*Image: Main components of the REDTIGER Dash Cam OBD Hardwire Kit.*

## 4. INSTALLATION GUIDE

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This OBD hardwire kit is compatible with all REDTIGER series dash cams (e.g., F7N, F7NP, F7NT, F7NS, F8, F9, F17, F4, F77 Mini Dash Cam and T27/T700 Mirror Dash Cams). Please note that this hardwire kit is not suitable for dash cams from other brands.

### 4.1 Locating the OBD Port

The most common location for a vehicle's OBD interface is on the lower left side of the trim panel beneath the steering wheel. However, the exact location may vary depending on the vehicle's make, model, and year. Some common alternative locations include above the accelerator pedal, near the driver's side fuse box, or in front of the gear shifter. Consult your vehicle's owner's manual or maintenance manual for the precise location.



*Image: Example of an OBD port.*

## 4.2 Step-by-Step Installation

### 1. **Step 1: Connect to OBD Port**

After unpacking the OBD hardwire kit, connect its OBD plug to your car's OBD port.

### 2. **Step 2: Position Voltage Regulator**

Position the voltage regulator controller in a suitable location where you can conveniently adjust the protection voltage and monitor the voltage display.

### 3. **Step 3: Connect to Dash Cam**

Connect the USB Type-C interface of the OBD hardwire kit to your dash cam. Verify that the dash cam powers on correctly.

# High Compatibility



Image: The OBD Hardwire Kit showing its components: OBD Plug, OBD Hardwire Kit Switch (voltage regulator), and Type-C USB connector.



Image: Diagram illustrating the simple installation process of the hardwire kit.

It is strongly recommended to refer to your vehicle's manual or seek professional assistance if you are unsure about any installation steps.

## 5. OPERATING INSTRUCTIONS

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### 5.1 24/7 Parking Monitoring

Once the hardwire kit is correctly installed, your REDTIGER dash cam will automatically enter parking monitoring mode when the vehicle is turned off. This feature ensures continuous recording to protect your vehicle from incidents while parked.



*Image: Icon representing 24-hour parking monitoring.*

# 24H/48H Parking Monitoring



*Image: Visual representation of 24/48 hour parking monitoring in action.*

## 5.2 Low Voltage Protection

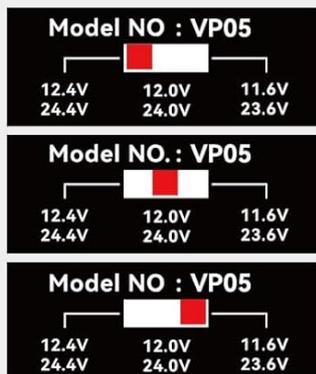
The hardwire kit features adjustable low voltage protection to prevent your car battery from draining completely. You can select from predefined voltage cut-off levels (e.g., 12.4V, 12.0V, 11.6V for 12V vehicles, and corresponding levels for 24V vehicles). The kit will automatically cut power to the dash cam if the battery voltage drops below the selected threshold, ensuring enough power remains to start your vehicle.

# Adjustable Low Voltage Protection

Adjust the OBD Hardwire Kit Switch from left to right, the protection voltage will become lower

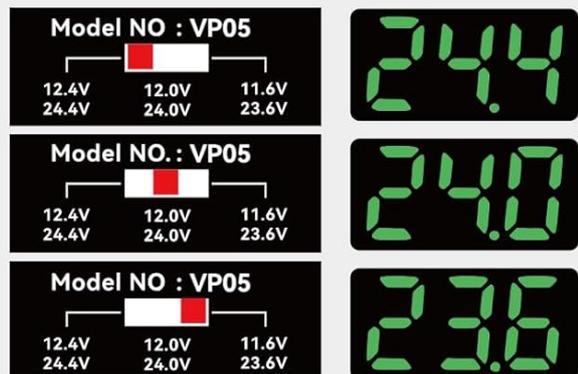


## 12V vehicle:



12V vehicle voltage protection regulation

## 24V vehicle:



24V vehicle voltage protection regulation

Image: The voltage regulator switch for adjusting low voltage protection settings for 12V and 24V vehicles.

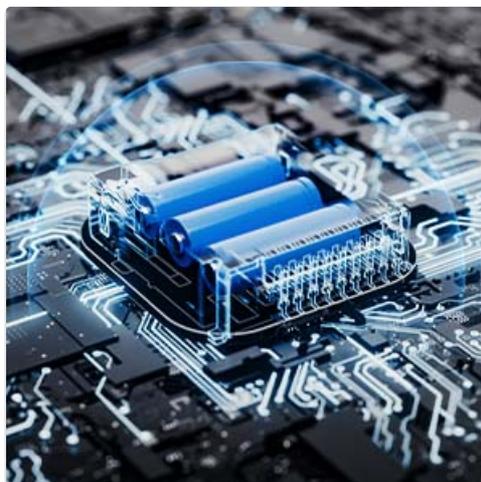


Image: Icon representing the Low Voltage Protection Mode feature.

## 6. SPECIFICATIONS

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Feature	Detail
Brand	REDTIGER
Model Name	RTH30GSO
Connectivity Technology	OBD
Input Voltage	12V-24V
Output Voltage/Current	5V/3A MAX
Output Port	USB Type-C
Special Feature	Parking Monitor, Low Voltage Protection
Cable Length	Approximately 11.5 ft
Compatible Devices	REDTIGER Dash Cams (F7N/F7NP/F7NT/F7NS/F8/F9/F17/F4/F77 Mini Dash Cam and T27/T700 Mirror Dash Cams etc.)

## 7. MAINTENANCE

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To ensure optimal performance and longevity of your REDTIGER Dash Cam OBD Hardwire Kit, follow these general maintenance guidelines:

- Regularly check all connections to ensure they are secure.
- Keep the hardwire kit and its components clean and free from dust or debris.
- Avoid exposing the kit to extreme temperatures or direct sunlight for prolonged periods.
- Do not attempt to modify or disassemble the unit, as this may void the warranty and cause damage.

## 8. TROUBLESHOOTING

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If you encounter issues with your REDTIGER Dash Cam OBD Hardwire Kit, consider the following troubleshooting steps:

- **Dash Cam Not Powering On:**
  - Ensure the OBD plug is securely inserted into the vehicle's OBD port.
  - Verify the Type-C connector is firmly plugged into the dash cam.
  - Check the vehicle's battery voltage using the regulator's display. If it's below the set cut-off, the kit will not supply power.
- **Parking Mode Not Activating:**
  - Confirm that parking mode is enabled in your dash cam's settings.
  - Ensure the hardwire kit is correctly installed and receiving continuous power from the OBD port.
- **Battery Drain Issues:**
  - Adjust the low voltage protection setting on the hardwire kit to a higher threshold if your vehicle's battery is

frequently draining.

- Ensure your vehicle's battery is in good condition.

For further assistance, please contact REDTIGER customer support.

## 9. WARRANTY AND SUPPORT

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The REDTIGER Dash Cam OBD Hardwire Kit comes with an 18-month assurance for quality problems. For any quality-related issues or technical support, please reach out to RedtigerDirect, the seller, or REDTIGER customer service. Please feel free to reach us if any professional help is needed. Always use the dedicated hardwire kit for your REDTIGER dash cam, as other brands' kits may not be compatible.