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› [REDTIGER](#) /

› REDTIGER F7N Touch Dash Cam with OBD Hardwire Kit User Manual

REDTIGER F7N

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Model: F7N

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your REDTIGER F7N Touch Dash Cam with OBD Hardwire Kit. Please read this manual thoroughly before using the product to ensure proper functionality and safety. Keep this manual for future reference.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- REDTIGER F7N Dash Cam (Front Camera)
- Rear Camera
- OBD Hardwire Kit
- Power Cable
- Rear Camera Cable
- Mounting Bracket
- User Manual (this document)
- 64GB MicroSD Card (included)



OBD Plug



OBD Hardwire Kit Switch



Type-c USB

Figure 2.1: OBD Hardwire Kit Components. This image displays the OBD plug, the hardwire kit switch with a digital voltage display, and the Type-C USB connector, which are essential for powering the dash cam and enabling parking monitoring.

3. PRODUCT OVERVIEW

3.1 Key Features

- **4K UHD Front & 1080P FHD Rear Recording:** Captures video at 4K (front, 170° wide-angle) and 1080P (rear, 140° wide-angle).
- **Touch Screen & Voice Control:** Intuitive touch interface and hands-free voice commands for safe operation.
- **Built-in 5.8GHz Wi-Fi:** Allows wireless access to recordings via the REDTIGER APP.
- **Built-in GPS:** Records location, speed, and route data.
- **Super Night Vision:** Enhanced low-light performance with WDR and HDR technology, Sony Starvis sensor, f/1.5 aperture, and 6-layer lens.
- **Loop Recording & G-Sensor:** Automatic footage overwriting and emergency locking of impact-detected videos.
- **24-hour Parking Monitoring:** G-Sensor and Time-Lapse parking modes (requires hardwire kit).

4K+1080P Dual Recording

Capture every detail of your journey



Figure 3.1: Dual Recording Capability. This image illustrates the simultaneous recording of the front camera in 4K resolution with a 170-degree wide-angle view and the rear camera in 1080P resolution with a 140-degree wide-angle view, providing comprehensive coverage.

Super Night Vision

Advanced technology provide crystal clear footage



Figure 3.2: Super Night Vision Technology. This image details the advanced components contributing to the dash cam's superior low-light performance, including the Sony Starvis sensor, f/1.5 aperture, Wide Dynamic Range (WDR), High Dynamic Range (HDR), and a 6-layer optical lens.

4. SETUP AND INSTALLATION

4.1 Front Dash Cam Installation

1. Clean the windshield area where the dash cam will be mounted.
2. Attach the mounting bracket to the dash cam.
3. Peel off the protective film from the adhesive pad on the bracket and firmly press it onto the windshield, ensuring a clear view of the road.
4. Route the power cable neatly along the windshield edge and down to the power source (cigarette lighter or hardwire kit).

4.2 Rear Camera Installation

1. Mount the rear camera on the rear windshield, ensuring it has a clear view.
2. Connect the rear camera cable to the rear camera and route it to the front dash cam.
3. Plug the rear camera cable into the designated port on the front dash cam.

4.3 OBD Hardwire Kit Installation

The OBD Hardwire Kit provides continuous power for parking monitoring and protects your vehicle's battery from draining.

1. Locate your vehicle's OBD-II port, typically found under the dashboard on the driver's side.
2. Plug the OBD connector of the hardwire kit into the vehicle's OBD-II port.
3. Route the Type-C USB cable from the hardwire kit to the dash cam and plug it in.
4. Adjust the low voltage protection switch on the hardwire kit according to your vehicle's voltage (12V or 24V) and desired protection level. Refer to Figure 4.1 for settings.



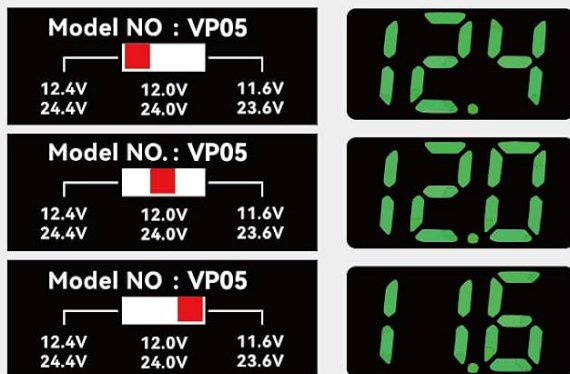
Figure 4.0: OBD Hardwire Kit. This image shows the complete hardwire kit, including the long cables for routing and the central module with a voltage display, designed to provide constant power to the dash cam.

Adjustable Low Voltage Protection

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

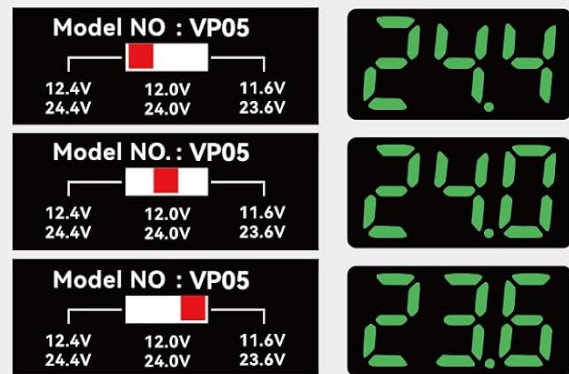


12V vehicle:



12V vehicle voltage protection regulation

24V vehicle:



24V vehicle voltage protection regulation

Figure 4.1: Adjustable Low Voltage Protection. This diagram illustrates how to adjust the switch on the OBD Hardwire Kit to set the low voltage protection threshold for both 12V and 24V vehicle electrical systems, preventing battery drain.

5. OPERATION

5.1 Power On/Off

- The dash cam will automatically power on and begin recording when your vehicle starts (if connected to the ignition power).
- It will power off automatically when the vehicle is turned off.
- To manually power on/off, press and hold the power button.

5.2 Touch Screen Interface

The 3.18-inch touch screen allows for easy navigation and control of the dash cam settings and features.

Upgraded to Touch Screen

Quickly and easily access



Figure 5.1: Touch Screen Interface. This image shows the interactive touch screen of the dash cam, illustrating the various menu options and controls available for managing recordings, settings, and playback.

- **Recording Screen:** Displays live view from front and rear cameras.
- **Settings:** Access video resolution, loop recording duration, G-sensor sensitivity, date/time, and other system settings.
- **Playback:** Review recorded videos directly on the dash cam.
- **Emergency Lock:** Tap the screen to manually lock the current recording.

5.3 Voice Control

The dash cam supports hands-free voice commands for common functions. Speak clearly and directly to the dash cam.

- "Turn on recording"
- "Turn off recording"
- "Lock video"
- "Take photo"
- "Turn on Wi-Fi"
- "Turn off Wi-Fi"

5.4 Wi-Fi & REDTIGER APP

Connect your smartphone to the dash cam via 5.8GHz Wi-Fi using the REDTIGER APP for easy access to recordings and settings.

1. Download the "REDTIGER" app from your smartphone's app store.
2. Enable Wi-Fi on the dash cam (via touch screen or voice command).
3. On your smartphone, connect to the dash cam's Wi-Fi network (SSID and password usually displayed on the dash cam screen).
4. Open the REDTIGER app to view live footage, playback recorded videos, download files, and adjust settings.

Built-in WiFi & GPS Tracking

Connect easily with your phone, get GPS data in the recordings and provide evidence in accidents.



Figure 5.2: Built-in Wi-Fi and GPS Tracking. This image illustrates the dash cam's ability to connect wirelessly to a smartphone for video management and its integrated GPS function, which records location and speed data, viewable on a map interface.

5.5 GPS Functionality

The built-in GPS module records your vehicle's location, speed, and driving route. This data is embedded in the video files and can be viewed using the REDTIGER app or a compatible GPS player on a computer.

5.6 Loop Recording

The dash cam continuously records in short segments (e.g., 1, 3, or 5 minutes). When the memory card is full, the oldest unlocked footage is automatically overwritten by new recordings. This ensures continuous recording without manual intervention.

5.7 G-Sensor & Emergency Lock

The integrated G-sensor detects sudden impacts or collisions. When an event is detected, the current video segment is automatically locked and protected from being overwritten by loop recording. You can also manually lock a video segment via the touch screen or voice command.

5.8 24-hour Parking Monitoring

With the OBD Hardwire Kit installed, the dash cam can monitor your vehicle while parked.

- **G-Sensor Parking Mode:** The dash cam will automatically start recording if it detects any impact or sudden motion while the vehicle is parked.
- **Time-Lapse Parking Mode:** The dash cam records continuously at a low frame rate (e.g., 1 frame per second) to create a condensed video of the parking period, saving storage space.

24H Parking Monitor

Comprehensive coverage to ensure car
is always protected



Need to connect the hardwire kit ASIN: (B09WCTZ3Y8)



G-sensor mode



Time-lapse mode

Figure 5.3: 24-Hour Parking Monitor. This image visually explains the two primary parking monitoring functions: G-sensor mode, which activates recording upon impact, and Time-lapse mode, which provides a condensed overview of the parking duration.

6. MAINTENANCE

6.1 Memory Card Management

- **Formatting:** It is recommended to format the microSD card every 2-4 weeks to maintain optimal performance and prevent

data corruption. Format the card directly through the dash cam's settings menu.

- **Card Type:** Use a high-endurance Class 10 or U3 microSD card (up to 128GB supported). A 64GB card is included.
- **Replacement:** Replace the microSD card if you notice frequent errors or recording issues.

6.2 Cleaning

- Wipe the dash cam lens and screen with a soft, lint-free cloth.
- Do not use chemical cleaners or abrasive materials.

6.3 Firmware Updates

Periodically check the REDTIGER official website or app for available firmware updates. Firmware updates can improve performance, add new features, or fix bugs. Follow the instructions provided with the firmware update carefully.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply; faulty cable; loose connection.	Check power cable connection; ensure vehicle's power outlet is working; try a different power source.
Recording stops unexpectedly.	Memory card full; faulty memory card; G-sensor triggered too often.	Format the memory card; replace the memory card; reduce G-sensor sensitivity in settings.
Video footage is blurry or unclear.	Protective film on lens; dirty lens; improper focus.	Remove any protective film; clean the lens; ensure the camera is securely mounted.
Wi-Fi connection issues.	Incorrect Wi-Fi password; interference; app issues.	Verify Wi-Fi password; restart dash cam and smartphone; reinstall REDTIGER app.
Parking monitor not working.	Hardwire kit not installed; incorrect hardwire kit settings; G-sensor sensitivity too low.	Ensure OBD Hardwire Kit is correctly installed and connected; check low voltage protection settings; increase G-sensor sensitivity.

8. SPECIFICATIONS

Model Name	F7N
Brand	REDTIGER
Front Video Resolution	4K (2160p)
Rear Video Resolution	1080P
Front Field of View	170 degrees
Rear Field of View	140 degrees
Screen Size	3.18 inches
Display Type	Touch Screen

Connectivity	Wi-Fi (5.8GHz)
Special Features	Parking Monitor, GPS, G-Sensor, Loop Recording, Voice Control, WDR, HDR, Super Night Vision
Memory Storage Capacity	Up to 128 GB (64GB card included)
Included Components	Hardwire Kit

9. WARRANTY AND SUPPORT

REDTIGER products come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official REDTIGER website.

For technical support, troubleshooting assistance, or any product-related inquiries, please contact REDTIGER customer service through their official website or the contact information provided in your product packaging.

Official Website: [REDTIGER Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question