WOLFBOX G850 PRO

WOLFBOX G850 PRO 4K Mirror Dash Cam User Manual

Model: G850 PRO | Brand: WOLFBOX

Introduction

The WOLFBOX G850 PRO 4K Mirror Dash Cam is an advanced automotive electronic device designed to enhance driving safety and recording capabilities. It features a 12-inch full IPS touch screen, 4K dual-channel recording (front 2160P, rear 1080P), and integrates cutting-edge Advanced Driver Assistance System (ADAS) and Blind Spot Detection (BSD) technologies. With 5.8GHz WiFi connectivity and voice control functionality, managing your footage and settings is intuitive and convenient. This manual provides comprehensive instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance of your device.

What's in the Box

Please verify that all the following components are included in your package:

- 1 * G850 PRO 4K Mirror Dash Cam
- 1 * 1080P Rear Camera with Screws and Adhesive Mount
- 1 * External GPS Antenna
- 1 * 64GB Card (pre-installed in the device)
- 1 * 11.5FT Car Charger
- 1 * 21.3FT Rear Camera Cable
- 1 * User Manual
- 5 * Cable Clips
- 4 * Straps



Image: WOLFBOX G850 PRO 4K Mirror Dash Cam and its complete set of accessories.



Image: A detailed view of the individual components included in the WOLFBOX G850 PRO package.

Setup and Installation

Before permanent installation, it is recommended to test the dash cam's functionality to ensure all components are working correctly. Remove any screen and lens protectors before use.

Mirror Dash Cam Installation

The G850 PRO mirror dash cam is designed to clip over your existing rearview mirror using the provided straps. Ensure a secure fit to prevent vibrations during driving.

1. Attach the dash cam to your vehicle's existing rearview mirror using the included straps. Ensure it is securely fastened and centered for optimal viewing.
2. Carefully route the power cable along the front windshield gap, down the A-pillar, and along the door gap to hide it

neatly.

3. Connect the car charger to the vehicle's cigarette lighter port.

Video: Official WOLFBOX mirror dash cam installation guide, demonstrating the process of mounting and routing cables.



Image: The WOLFBOX G850 PRO mirror dash cam installed in a vehicle, displaying its wide screen view.

Rear Camera Installation

The rear camera can be installed either inside the vehicle (e.g., on the rear windshield) or outside (e.g., above the license plate). For optimal reversing assistance, external mounting is recommended.

1. Mount the rear camera in your desired location. If mounting externally, ensure it is securely fixed and waterproof.
2. Route the rear camera cable from the dash cam to the rear of the vehicle, hiding it along the car's interior trim and ceiling.
3. Connect the red wire of the rear camera cable to the positive cable of your car's reverse light. This enables automatic display of the rear view when reversing.



Image: A car's rear view as seen through the WOLFBOX G850 PRO's rear camera, demonstrating its wide angle.

Hardwire Kit Installation (Optional, for 24H Parking Monitor)

To enable the 24-hour parking monitoring function, a dedicated hardwire kit (ASIN: B09X9F8GMT) must be purchased separately and installed. This kit connects directly to your vehicle's fuse box.

Video: Detailed installation guide for the USB C Hardwire Kit, showing connections to the vehicle's fuse box.

GPS Antenna Installation

The external GPS antenna provides accurate speed and location data for your recordings. It should be placed on the dashboard near the front windshield for optimal signal reception.

1. Peel off the 3M adhesive from the GPS antenna.
2. Securely attach the GPS antenna to the dashboard, ensuring the black side is facing up and it has a clear view of the sky.



Image: The external GPS antenna positioned on the car's dashboard for accurate tracking.

Operating Instructions

The WOLFBOX G850 PRO features an intuitive touch screen interface and voice control for easy operation.

Touch Screen Interface

The 12-inch IPS touch screen allows for easy navigation and control. Swipe left or right to switch between front and rear camera views. Double-tap the screen to access the main menu with various settings and functions.

- **Resolution:** Adjust video recording quality (e.g., 4K+1080P).
- **Display Modes:** Change how camera views are displayed on the screen.
- **Sound Record:** Toggle audio recording on/off.
- **Loop Recording:** Set the duration of video segments (1, 2, or 3 minutes).
- **G-Sensor:** Adjust sensitivity for automatic incident detection and video locking.
- **Fatigue Reminder:** Set alerts for long driving periods.
- **Wi-Fi:** Enable/disable Wi-Fi for app connectivity.
- **Volume Setting:** Adjust system sound volume.
- **Screen Saver:** Configure screen auto-off time.
- **Screen Brightness:** Adjust display brightness.
- **Voice Control:** Enable/disable voice commands.
- **Reversing Line:** Calibrate parking assist lines.
- **Parking Mode:** Activate parking surveillance (requires hardwire kit).

Advanced Driver Assistance Systems (ADAS) & Blind Spot Detection (BSD)

The G850 PRO integrates advanced safety features to assist drivers.

- **Forward Collision Warning (FCW):** Alerts when approaching a vehicle too quickly.
- **Pedestrian Collision Warning (PCW):** Detects and warns of pedestrians in the vehicle's path.
- **Lane Departure Warning (LDW):** Notifies if the vehicle drifts out of its lane without signaling.
- **Blind Spot Detection (BSD):** Monitors blind spots and provides alerts for vehicles in adjacent lanes.
- **Rear Collision Warning (RCW):** Alerts to potential rear-end collisions.

Video: Demonstration of WOLFBOX G850 PRO's ADAS and BSD features in action.



Image: Visual representation of the Advanced Driver Assistance System (ADAS) features, including forward collision and lane departure warnings.



Image: Diagram illustrating the Blind Spot Detection (BSD) algorithm, highlighting side and rear collision alerts.

Voice Control Functionality

Operate key functions using simple voice commands, allowing you to keep your hands on the wheel and focus on driving. Available commands include:

- Turn on WiFi
- Take picture
- Lock the video
- Turn on Audio
- Turn off Audio
- Turn on screen
- Turn off screen
- Show rear camera
- Turn on recording
- Turn off recording
- Turn off WiFi



Image: Visual guide to the smart voice control commands available for the dash cam.

Enhanced Night Vision

The G850 PRO utilizes WDR/HDR technology, 3D DNR, an F/1.8 aperture, and a 6-layer lens to capture clear footage even in low-light conditions.



Image: Illustration of enhanced night vision capabilities, highlighting WDR&HDR, 3D DNR, F/1.8 aperture, and 6-layer lens.

24H Parking Monitor

With the separately purchased hardwire kit, the dash cam can monitor your vehicle's surroundings 24 hours a day, providing security through collision detection and time-lapse recording.



Image: Overview of the 24H Parking Monitor function, showing collision detection and time-lapse recording.

Maintenance

SD Card Management

The included 64GB SD card is pre-installed. For optimal performance and to prevent data corruption, it is recommended to format the SD card once a month directly through the dash cam's settings menu.

Cleaning and Care

To maintain clear video quality and screen visibility:

- Regularly clean the front and rear camera lenses with a soft, lint-free cloth.
- Wipe the touch screen with a microfiber cloth to remove fingerprints and smudges.

- Avoid using harsh chemicals or abrasive materials that could damage the device.

Troubleshooting

If you encounter any issues with your WOLFBOX G850 PRO, refer to the solutions below. If the problem persists, please contact customer support.

Problem	Possible Cause	Solution
Display is too dark in bright sunlight.	Screen angle or reflections.	Orient the display directly towards the driver to minimize reflections. Adjust screen brightness to maximum in settings. Consider an anti-glare film (sold separately).
Cannot connect to WOLFBOX App via WiFi.	WiFi frequency incompatibility.	Ensure your phone's WiFi is set to 5.8GHz or compatible with the dash cam's frequency. Some routers may need adjustment to 2.4GHz if 5.8GHz is not supported by your phone.
Rear camera view is blurry or unclear.	Placement near defrosting lines or dirty lens.	Ensure the camera lens is clean. If installed internally, reposition the camera away from rear window defrosting lines which can cause blurriness.
GPS signal is weak or inaccurate.	Improper GPS antenna placement.	Ensure the GPS antenna is securely mounted on the dashboard with a clear view of the sky, away from obstructions.
Dash cam is heavy or unstable on mirror.	Improper strap tension or mirror type.	Ensure straps are tightened sufficiently. If your existing mirror is unusually shaped, professional installation or alternative mounting solutions might be considered.

Specifications

- **Product Dimensions:** 11.89 x 2.95 x 1.61 inches
- **Item Weight:** 14.1 ounces
- **Item Model Number:** G850 PRO
- **Connectivity Technologies:** Wi-Fi, USB
- **Special Features:** Loop Recording, Reverse Assist, Touch Screen, Built-In WiFi, Blind Spot Detection, App Control, Built-In GPS, Built-In Display, G-Sensor, Automatic Incident Detection, Voice Control, Parking Monitor, Night Vision, Built-In Supercapacitor
- **Color:** Black
- **Video Capture Resolution:** 2160p (Front), 1080p (Rear)
- **Mounting Type:** Rearview Mirror Mount
- **Vehicle Service Type:** Minivan, Bus, Car, Truck
- **Country of Origin:** China
- **Date First Available:** August 14, 2024

Warranty and Support

Your WOLFBOX G850 PRO 4K Mirror Dash Cam is backed by a comprehensive warranty and dedicated customer

support.

- **Warranty:** Full 1-YEAR GUARANTEE (12 Months Warranty).
- **Return Policy:** 7 Days Return Policy for non-defective items. Returns on defects are also supported.

Customer Assistance

For any questions, technical support, or warranty claims, please contact WOLFBOX customer service:

- **Email:** service@wolfbox.com
- **Phone:** +1 888 296 8399

WOLFBOX is committed to providing reliable products and excellent customer assistance to ensure the longevity and optimal performance of your device.

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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