

WOLFBOX

Drive on. Always on.

Mirror Dash Cam G840S

User Manual

IC warning:

This device contains licence-exempt transmitter(s)/receiver(s)/ that comply with Innovation Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Radiation Exposure: This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with IC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Déclaration de l'ISED Canada:

Cet appareil contient des tasmittre (s) / récepteur (s) sans licence / conformes à l'innovationRSS exemptes de licence de Sciences et Développement économique Canada. L'opération est sous réserve des deux conditions suivantes:

1. Cet appareil ne peut pas causer d'interférences et.
2. Cet dispositif doit accepter toute interférence, y compris peut provoquer le fonctionnement indésirable de l'appareil.

Exposition aux rayonnements: Cet équipement est conforme aux radiations du Canada limites d'exposition pour un environnement incontrôlé noncé d'exposition RF Pour maintenir le respect des guides d'exposition RF d'IC, cquipment doit être installé et actionné avec une distance minimale de 20cm le radiateur de votre corps. Cet appareil et ses antennes ne doivent pas être co-localisé ou en opération en conjonction avec toute autre antenne ou émetteur.

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Product Overview

Thank you for choosing WOLFBOX G840S 4K Mirror Dash Cam. This product can provide you with irrefutable evidence in the event of an accident, and the ultra-clear picture can also record the scenery you encounter while driving.

WOLFBOX is a professional automotive supplies manufacturing company. We have worked in field of dash cam for more than 10 years. We have a team of experienced and imaginative engineers who are committed to building a reliable and trustworthy automotive supplies brand.

We have been selling G840S(the 1080P model) for about 3 years, According to the different opinions of customers, we have developed this model-G840S, the resolution of front camera improved to 4K. Thank you for your continued support.

Product Specifications

CPU	> SSC8826Q
RAM	> DDR3 256M
Display Size	> 11.8 inch
Display Type	> IPS
Full Touch Screen	> Support
Resolution(Rear Cam)	> 1920*1080P
Resolution(Front Cam)	> 3840*2160P 2560*1440P 1920*1080P

Video Format	> TS
Picture Format	> JPG
Loop Recording	> Support
GPS Tracking	> Support
Parking Monitoring	> Support
Power interface	> Type C
Input voltage	> 5V
Working Temperature	> -20°C~70 °C
Storage Temperature	> -30 °C~80°C

Pre-cautions

- ▶ After receiving the product, please insert the GPS, and then adjust the time zone in the "Time Zone" setting to make the time correct. If you choose to restore factory settings, you need to reset the time zone to adjust the time.
- ▶ If you have any questions or want accessories, Please CONTACT US (service@wolfbox.com), we will solve it for you and send you the accessories.

- ▶ Please read this manual the first time you open the package and familiarize with the equipment. Plug in the camera before installing it and verify its functionality, especially if you hire a professional to install it.
- ▶ Use the accessories provided in the box to ensure compatibility. When the power supply is plugged into a power splitter the camera will not have enough current to power on.
- ▶ Do not attempt to extend the camera wire by splicing in more wire or the camera may not work. The length of original cable for rear camera is 20 feet, suitable for most types of cars. We also have 33ft extension cable(ASIN-B082RZNFY)and 50ft extension cable (ASIN-B0814ZHHST)sold separately.
- ▶ If you use micro SD card capacity > 32GB, Please change micro SD card [Class10 (10MB/sec) required] format to FAT 32 on PC (a 32GB card is included in the package).
- ▶ If you want 24H parking monitor function to guide your car parking safety, dedicated hardwire-kit(ASIN:B09X1L1GMX) is needed.
- ▶ Please confirm whether your cigar power port is ACC. If the cigarette lighter is still charged after the car is turned off, please use the hardwire kit or manually unplug the car charger while parking, otherwise it may exhaust your car's power supply. (Note:This happens in some Ford/Audi cars, and electric cars).

Warnings

Please use our products as required. Incorrect installation may lead to serious consequences.

- ▶ Please carefully read the instructions provided by us. If you have any doubts, please contact our staff and they will solve them for you. Please do not install incorrectly without understanding. The company will not be responsible for any consequences arising therefrom.
- ▶ Be sure to use included accessories and parts. Using other parts may damage the equipment or cause fire, electric shock, or malfunction.
- ▶ If this product is damaged or malfunctions, stop using it immediately and consult your dealer. Continued use may cause fire, electric shock or vehicle failure.
- ▶ Please install the device in a position that does not affect the driver's field of vision. WOLFBOX always puts the driver's safety first.
- ▶ This product is intended to be used for reference material in the event of an accident. We do not guarantee its effectiveness as complete evidence.
- ▶ Please note that this product may infringe on privacy and other rights depending on how it is used. We are not responsible for these cases.
- ▶ Since this product uses a wide-angle lens, part of the image may be distorted. It also differs from the actual perspective. This is a characteristic of wide-angle lenses and is not a malfunction.

- ▶ If the lens needs to be cleaned, we recommend gently wiping it with a soft damp cloth to avoid scratching the lens and affecting the clarity of the video.
- ▶ This product is for DC12V/24V vehicles only.
- ▶ The specifications and appearance of this product are subject to change without notice.
- ▶ Please keep the device away from water, water vapor, and various liquids at all times to avoid equipment failure and potential safety hazards.
- ▶ If the driving recorder is faulty or has a black screen during use, please be sure to contact us or go to a professional store for repair, please do not repair it yourself, otherwise the seller will not be responsible for the consequences.
- ▶ During driving, do not adjust the position of the device. If you feel that your vision is blocked, please stop immediately and drive after adjustment.
- ▶ Do not use the charger if the wiring of the power cord is faulty.
- ▶ Do not disassemble or modify this product. Otherwise, it may cause a fire, electric shock or malfunction.

- ▶ Please comply with local laws while using this product. Some countries have legal provisions prohibiting the installation of items on the windshield or specific areas of the windshield.
- ▶ The company is not responsible for errors in the user's installation area.

Getting Started

Please read this manual carefully before using the device.



- ▶ Before the G840S starts running, please check the SD card and format it to ensure the smooth operation of the mirror dash cam.

- ▶ If the dash cam cannot be turned on after powering, please keep the power on and press the hole marked "R" (on the back of the mirror unit) to reset the dash cam. Please CONTACT US if it still doesn't work.

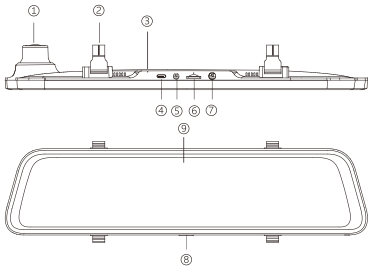
PACKAGE CONTENTS

Tip: In addition to the original accessories in the package, we also provide separate Hardwire-Kit (used for parking monitoring and replacement of car chargers), rear camera extension cable (approximately 10m long), and the rear camera mounting bracket in the car (you can use this to install the rear camera in the car). If you need these accessories, please feel free to contact us.



 <p>1* 4K Mirror Dash Cam</p>	 <p>1* 1080P Rear Camera</p>	 <p>1* GPS</p>
 <p>1* User Manual & 1* FAQ</p>	 <p>1* Power Supply Cable with Car Charger</p>	 <p>1* Rear Camera Cable</p>
 <p>1* 3M Adhesive</p>	 <p>4* Rubber Straps for fixing front camera</p>	 <p>1* 32GB TF Card</p>

Appearance



NO.	Name	Description
1	lens	Front lens, record the front image of the car
2	Fasteners	The machine can be fixed with 2 straps
3	Reset hole	When the machine failure cannot be eliminated, you can try to restart the machine by clicking here
4	USB	Port for charging
5	AV-IN	Port used to connect the rear lens
6	TF card slot	Provide extensible storage(class 10 Max 128GB)
7	GPS port	Used to connect GPS module(GPS function requires optional GPS antenna)
8	Power button	Short press to wake and turn off the screen, long press to turn on and off the power
9	Display screen	11.8 inch touch screen display



	Recording status: During normal recording, it is red, turns yellow while emergency recording		Rear view/Front view switchable: Switch between front view & rear view one moment
	Click on it, the clock setting appears on the screen		Emergency Lock: Lock videos as event files so it won't be overwritten by loop recording
	GPS Status: Once gps antenna connected, the GPS icon on the home screen will show		Sound Record is on
	Menu Setting: Touch and enter to set the screen in your favor (Please pause recording first)		Start/Stop Recording: Record and save every precious moment
	Video/Photo Playback: Playback the video & Photo		Photograph: Take photos one moment



About the Micro SD Card

When using a new Micro SD card, be sure to format it in the dash cam.

- ▶ When you remove or insert the SD card, make sure the device is turned off.

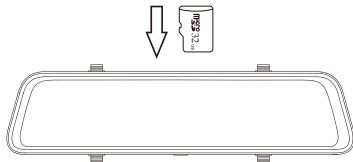
- ▶ Use a Micro SD card with Class 10 or higher(32GB-128GB).
- ▶ For stable use, it is recommended to format the micro SD card regularly. Recommend: Once a month.
- ▶ This product will check the Micro SD card at startup and will announce if it is not inserted or damaged, that can prevent missed shots.
- ▶ The memory card has its own expiration date, and we recommend that you replace it every three months.
- ▶ Formatting will erase all recorded data.

SD card insertion and removal

- ▶ Make sure the dash cam is off when inserting or removing the SD card.
- ▶ Please press the SD card with your fingernail and you will hear a Click sound. This will keep the SD card stuck in the slot.

- ▶ Please note the insertion direction of the SD card.

The front of host



Installation

Please check the functionality of dash cam with its all accessories before installation.

When you use the dash cam for the first time, the dash cam comes with factory default settings and you do not need to set it manually.

NOTE:

Format SD before use! Please refer to page 11 for SD card settings.

Host installation

Step 1: Fix the host on the rear-view mirror by hand, be sure to separate the silicone brackets on both sides of the rear-view mirror

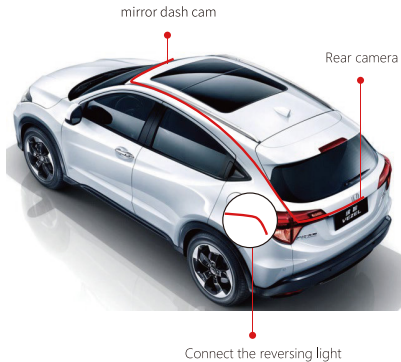
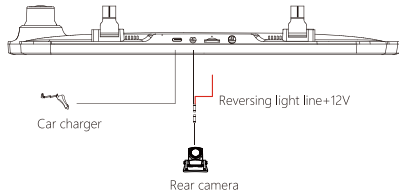


Step 2: Buckle the product in the rearview mirror by silicone button



Step 3: Adjust the front lens to the right position

Rear camera installation



Rear camera installation

We recommend install the rear camera above the license plate.

1. Fix camera with 3M adhesive

Find a best location tear off the 3M adhesive on the rear camera, fix the rear camera near by the car license plate lamp. (if you need to adjust the angle, please attach the rear camera bracket to the rear camera and tighten it with screws first).



2. Remove the Panel

Remove the inner panel of the trunk to expose the rear wiring compartment of the car. Open the trunk and look for a sturdy inner panel covering the other side of the license plate installation area. Then, insert a decorative removal tool or another thin device behind the panel and pry it apart.



3. Install the cable

Look for lights near the license plate that have gaps to allow wires to pass through. Run the rear camera cable through the gap into the trunk of your car.



4. Connect the rear camera's power cable to the extension cable. After snaking your rear camera's extension cable, connect the power cable to your rear camera's extension cord.



*If your car has its own reversing assist system, please ignore the red wire on the rear camera cable.

5. Route your rear camera's power cable to the front of the car. If you'd like, use a trim removal tool to pop out the headlining panel directly above your windshield. Then, run your cable through the exposed chamber.



6. Power on the dash cam with box included car charger, don't charge it with your own chargers.



NOTE:

- ▶ We do not recommend to install the rear camera inside the car, it will make the effect of the rear camera worse. If you need to install the rear camera in the car, please purchase a in-car rear camera (Asin: B09Q84NBFN), or contact us to get it.
- ▶ If your car is a RV or a pickup truck, you can install the rear camera forward (the bracket is below), and turn on the "Upside down of rear image" and turn off the "mirror flip of rear image" to adjust the image.

- ▶ If you need a license plate bracket, we also provide this accessory (Asin: B09J7VXQ2T), you can search by yourself or CONTACT US.
- ▶ Glare due to high beams is unavoidable. We have an upgraded WDR rear camera (Asin: B09KRM9QQ5) that can effectively improve this problem.
- ▶ About the WDR rear camera: it has the function of automatically adjusting the brightness. So it will look darker than the front camera when shooting during the day. This is normal and not caused by a camera defect. Also it automatically brightens at night and can reduce the impact of rear vehicle lights. As shown below:

- ▶ Day time (The rear camera is a little darker than the front camera).



- ▶ Night vision (The rear camera is brighter and clearer than the front camera).



How to install the mirror dash cam

1. Route your rear camera's power cable to the front of the car. If you'd like, use a trim removal tool to pop out the "headlining panel" directly above your windshield. Then, run you cable through the exposed chamber.



2. Power on the dash cam with box included car charger, don't charge it with your own chargers.



3. Test the camera to make sure everything works.



4. Installation method (Note: GPS model is facing up, placed on the instrument panel).



CAUTION:

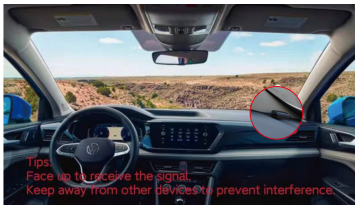
- ▶ Connect the cigar plug cord connector in the correct orientation. Connecting in the wrong direction may cause malfunction or damage. If you cannot connect successfully, check the connection part carefully before connecting.

How to install the GPS

GPS front and back



Installation location

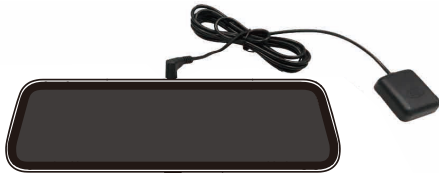


Considering the use effect and installation convenience, we usually recommended customers to install it at the position specified in the picture. Of course, you can also try to install it in other locations for testing, and choose the location you think is most suitable.



Installing step

1. Install the GPS Antenna onto the camera, the GPS Antenna will start to search for a GPS signal.



2. Once the GPS is installed, the GPS icon on the home screen will show. After the GPS signal has been received, it will show direction and speed.



Q: Why is my GPS not working? /How to use GPS ?

A: If you cannot receive the signal after inserting the GPS, please follow the steps below.

1. The vehicle must be within a large area.
2. Insert the GPS plug again.
3. Place the GPS plug upward.
4. Restart.
5. It will be recognized after about 40 seconds. If still cannot receive the signal, it may be a GPS problem. Please CONTACT US and we will help you solve this problem.

Hardwire Kit Installation

Dedicated Hardware Kit ASIN: B09X1L1GMX or B0BBLCCQ2B

Muti-size Hardware Kit ASIN: B09X9F8GMT

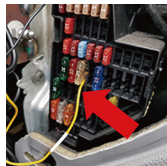
Step:

1. Stop the engine.
2. Open the fuse box.
3. Use a power detector to detect the constant power and ACC power (emergency power). *note: Use an ACC power supply of 15A to 25A. Use a constant power supply below 30A.
4. Connect the yellow fuse to the constant power source, the red fuse to the ACC power source, and the ground terminal (black wire) to the metal part of the body.

Installation - Connect the following three cables to the car fuse box. (The position of the fuse box differs depending on the model).

Yellow cable (BATT/B+)

The yellow cable should be connected to the fuse of the constant power supply in the car fuse box. If you are looking for a constant power supply in the fuse box: Use a voltage tester to check the fuse to ensure it still have electricity even if the car engine is off.



Red cable (ACC)

Connect the red cable supply power only when the car engine starts. Testing method: The tester bulb will light when the engine is on and won't light when the engine is off.



Black cable (GND)

Connect this black cable (GND) to the metal part of the vehicle. Most cars have screws or metal parts next to the fuse box. Connect the black cable to the screw or metal part. (As in the picture below).



NOTE:

- ▶ If you can't install it, please CONTACT US, you can send us a photo of your fuse box, and we have professional technicians who can help you wire it.

Power ON/OFF

- ▶ If you turn on the engine (ACC on) while the cigar power adapter is connected, the power will be turned on automatically and the opening screen will be displayed.
- ▶ Press and hold the power button to turn off the power during startup, and then briefly press the power button again to turn on the power of the unit and display the opening screen.
- ▶ Short press the power button to wake and turn off the screen.

Menu Settings

Home-interface

After turning on the power, the machine will automatically turn on and enter the main interface, and the camera will start recording at the same time.

- ▶ Swipe the left/right screen up and down to adjust the angle of view.



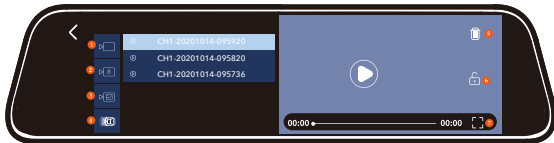
- ▶ Swipe left or right to switch between front and rear cameras.



- ▶ Click the top of the screen and slide to adjust the brightness.



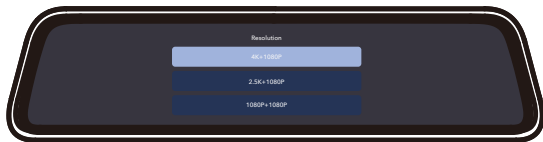
Video playback interface



NO.	Overview	NO.	Overview
1	Normal Video: Select it to view recorded videos	5	Delete
2	Locked Video: Select it to check locked videos	6	Lock the video
3	Photos: Select it to check photos	7	View videos on fullscreen
4	Front/Rear Video Switch:Click it to switch to front/rear video		

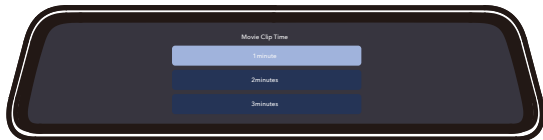
Function interface

After powering ON the camera, press the  button to enter the setup process. (If the camera is recording video, press the  button to stop recording before pressing the  button.)



► **Resolution: 2160P/1440P/1080P**

The front camera supports 2160P/1440P/1080P, and rear camera supports 1080P.



- ▶ **Movie clip time: 1min/2min/3min**
Select the recording duration for each video.



- ▶ **Sound Record: ON/OFF**
In order to be able to record more comprehensive evidence, we recommend that you turn on this switch.

Movie Clip Time: 1 minutes/2minutes/3minutes

Q: Why is every video recording so short?

A: We set the recording interval of each video to 1min/2min/3min. This is for the convenience of finding the locked video later. The main function of the recorder is to record, especially to record emergency video. If each video is too long and the G-Sensor triggers emergency recording when a collision occurs, the video will be locked and cannot be covered by the loop recording, and customers will be difficult to find the video in the subsequent search. You need slide the longer progress bar to find this locked video. And the capacity of the Micro SD card is limited, if the locked video is too long, the normal video capacity that can be stored will decrease.

Paking Mode

(Avaliable after correctly installing the hardwire kit)



- ▶ There are 12H and 24H parking modes, you can choose according to your needs.

NOTE:

- ▶ In the time-lapse recording mode, the car will not trigger the G-Sensor when it is vibrated, and the emergency recording video will not appear in the locked folder.

Principle

When the hardwire kit is correctly connected and the Parking mode lapse Recording mode is turned on, the acc is out of power when the car is turned off (bat is always charged), and the dash cam detects that the acc is out of power and will stop normal recording and enter the "Lapse Recording mode".

Advantage

1. Save electricity, will not drain the car battery.
2. Save the SD card space, which is 1/30 of the normal recording.

NOTE:

- ▶ This function needs to connect the hardwire kit(ASIN: B09X1L1GMX), you can buy it yourself or CONTACT US.

- ▶ If you need the introduction and installation video of the hardwire kit, please CONTACT US.
- ▶ If you want to lock some videos during timelapse mode, please set the G-Sensor Sensitivity.

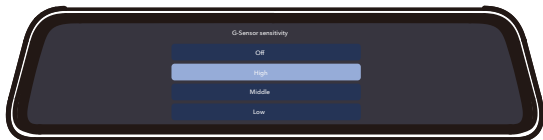
Screen Saver

Off/1min/2min/3min.

If you want it to automatically turn off the screen or use it as a rearview mirror, you can set the screen saver mode.

G-Sensor sensitivity

Off/High/Middle/Low



After turning on the G-Sensor, the dash cam will lock the video when it detects bumps while driving.

NOTE:

- ▶ Recommended to adjust to medium/low.

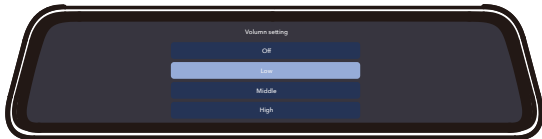
Default booting display

Split screen/Front Camera/Rear Camera.

Choose the default camera image to display when powering on.

Volume setting

Set the volume of the dash cam.



Clock settings

Set the time and date manually.

Time Style

12/24 time style.

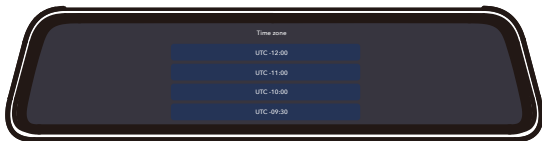
Speed unit

MPH/KMH Select the unit you need.

Daylight Saving time

ON/OFF

Time zone(Available after installing GPS)



After plugging in the GPS, you need to set the time zone to get the correct time. After a factory reset, the time zone also needs to be reset.

UTC -12:00	UTC -11:00	UTC -10:00	UTC -09:30
UTC -09:00	UTC-08:00	UTC -07:00	UTC -06:00
UTC -05:00	UTC -04:30	UTC -04:00	UTC -03:30
UTC -03:00	UTC -02:00	UTC -01:00	UTC +00:00
UTC +03:30	UTC +01:00	UTC +02:00	UTC +03:00
UTC +05:30	UTC +04:00	UTC+04:30	UTC +05:00
UTC +07:00	UTC +05:45	UTC +06:00	UTC +06:30
UTC +09:30	UTC +08:00	UTC +08:45	UTC +09:00
UTC +11:30	UTC +10:00	UTC +10:30	UTC +11:00
UTC +12:00	UTC +12:45		

Mirror flip of rear image: ON/OFF

Upside down of rear image: ON/OFF

If you are installing rear camera in a forward direction (fixing the bracket downwards), please turn on "Upside down of rear image" and turn off "Mirror flip of rear image" to adjust the view.



upside down

mirror flip

Format SD card

Clean all the data. It is recommended to manually format the SD card once a month. Please format the SD card before first use.

Reset setup

This is used to restore factory settings.

Reversing line (Auxiliary function)

If your car does not have a reversing system and you need a backup reversing system as an aid, you need to connect the red cable of the rear cam to the positive pole of your reversing lamp. **If your car already has a reversing system, you just ignore the red cable on the rear cam.**

When you shift to "r" gear, the rear view will automatically show on the screen with reversing lines for easy and safe parking. You can enter the "Reversing line" option in the settings, then adjust the angle of the reversing image and the reversing line. Also when in reversing, you can adjust the viewing angle of the image. **(This function activate after the red wire of the rear camera be connected to the positive pole of the reversing light.)**

When reversing, the reversing line will automatically appear on the screen, and the screen will automatically be pressed down 15° horizontally. However, due to the different installation location of each guest, manual adjustment is required.

You can adjust the viewing angle and the positions of the four corners of the reversing line in the "Reversing line" option of the settings

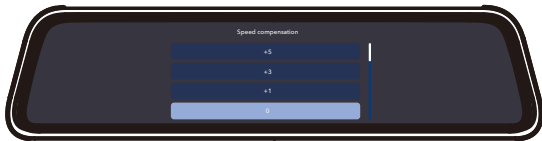
The reversing line has three colors of red, yellow and green. When the object behind the car reaches the red distance, it means you can stop reversing.

Q: How do I use the reversing system when reversing the car?

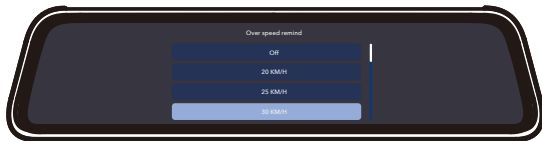
A: You can enter the "Reversing line" option in the settings to adjust the angle of the reversing image and reversing line. Then switch the car to "R" to enter the reversing system.

GPS Information

Speed Compensation



Over Speed Remind



Please install the GPS first.

To track the Location, Speed, status, Signal Strength, please go to info on the Menu Setting.

Product information

Check your version number here.

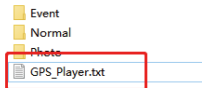


Video Playback on PC

If you need to track GPS information, please download the dedicated player, the download link as follows: Mac/Win Version Download: <https://wolfbox.com/gps-player/>

You can also get the link in the SD card.

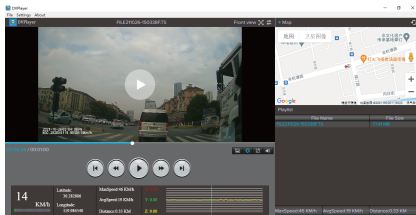
1. Please insert the GPS and SD card into the dash cam, after restarting the machine, take out the SD card and use a card reader to view it in the computer.
2. Open GPS_Player. Txt to get the download link.



Player interface

Please install the GPS first.

To track the Location, Speed, status, Signal Strength, please go to info on the Menu Setting.



1. Click File in the upper left corner
2. Click "Open" to select the file
3. Start playing

Trouble Shootings

Please feel free to contact our customer support at service@wolfbox.com. Most email are typically replied within 10 hours. All questions are answered within 24 Hours.

Why the front lens image is tilted?

Please rotate the front lens to adjust the front image.

Why doesn't the rear camera work? Why can't the rear camera be detected?

1. Please confirm whether the rear cable is installed correctly, pay attention to whether the 4pin connection position is loose and whether the position of the host and the rear camera mouth is loose. Please try to reconnect.
2. If still not work after reconnection, there may be a problem with the cable. Because when wiring in the car, it may cause the metal wire in the rubber to bend and cause a short circuit. Please CONTACT US and we will solve it for you.

Why can't it automatically switch to the rear camera when reversing or why can't the reversing line appear?

1. Check if the 4pin is loose, and if the rear camera port of the dash cam is loose.
2. Check whether the red wire of the rear camera cable is connected to the positive pole of the reverse light, please do not connect it to the brake light or other.

3. If the connection is correct, please use a tester to measure whether the voltage is output from the reversing light when in reverse gear.

Why dash cam does not work/cannot be turned on/freezes/restarts repeatedly?

1. Unplug the GPS, card, and rear camera cable, reset after power on again, and try to see if it can be turned on.

2. If the above does not work, please contact us.

ONE YEAR LIMITED WARRANTY

We are committed to giving customers the best product experience and after-sale service.

Our warranty period is one year. If the machine parts are damaged or there are any problems during use, we will solve them in time and provide you with a satisfactory shopping experience.

Please CONTACT US with your online order, and we will provide free replacement and lifetime technical support. Besides, you can also get free accessories from us.

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