WOLFBOX
Drive on. Always on.

Mirror Dash Cam G890
User Manual

V03

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.

Precautions

▶ Please read this manual carefully before operation and keep it for future reference. It will be helpful should you encounter any operational problem.

▶ Improper installation will void the manufacturer's warranty. The installation instructions do not apply to all types of vehicles and are written as guidelines to assist in installing the system.

▶ Consult an experienced technician if you are not comfortable installing the product.

▶ Please make sure to read and understand call local laws and regulations regarding cameras and their use in a vehicle. Laws vary by state.

▶ Do not obscure the view of the road ahead or impede the deployment of any airbags in the event of an accident.

▶ When not in use, please disconnect the car adaptor from both the12/24V DC outlet in your vehicle and the device itself.

▶ Only clean the device with a soft dry cloth, for tough dirt, apply some neutral detergent diluted in 5 to 6 parts water to a soft cloth.

▶ Note that alcohol, thinner, benzene, etc could cause damage to the paint or coatings.

▶ Avoid making contact with the Lens as damage may be caused.

▶ The video recordings made by this Digital Video Recorder are intended for personal use only.

▶ Whilst driving, do not adjust the controls of your device as this is a distraction to driving.

Specification

Item Name	12" Stream Media Mirror Dash Cam with 3 Channels	Photo Format	JPEG
Model	WOLFBOX G890	Memory Card	Micro SD card 32G-512G U1
Screen Size	12" IPS Touch Screen	Storage Temperature	-22°F~176°F
Display Resolution	1480 x 320	Operating Temperature	-4°F ~158°F
Recording Resolution	Front Camera: 2560×1440 Internal Camera: 1920 x 1080 Rear Camera: 1920 x 1080	Product Weight	3.76 lb
		Item Dimension	11.4 x 2.8 x 1.2 (in)
Lens	Front Camera: F1.55 136° Internal Camera: F1.8 140° Rear Camera: F1.8 140°	Input	DC 12V
		Output	DC 5V - 3A
Recording Format	MP4		

Package Contents

Package contents	WolfBox G890 Mirror dash cam	Docking station	Rear Camera
Car Charger	Rubber Strap x 4	Cleaning Cloth	Internal Camera

Car Wire Trim Tool	Rear Camera Cable	Type-c Power Cable	Hardware Kit
1 Docking station 3M Adhesive * 1 3 Internal Camera 3M Adhesive * 1 2 Rear Camera 3M Adhesive * 1	Cable Clips * 6	3M Adhesive x 2 Internal rear camera bracket * 1 Screws x 4 Outside rear camera bracket * 1	User Manual * 1

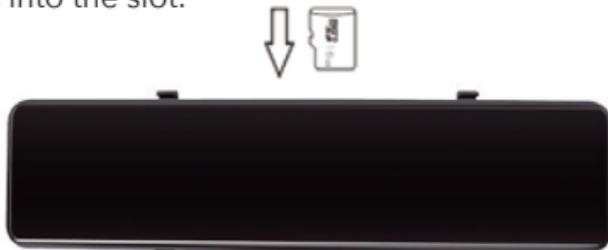WOLFBOX

Mirror Dash Cam G890
User Manual

V01

Installation

Warning

Please MAKE SURE to connect all cameras and wires BEFORE power ON the Mirror Screen, otherwise, the camera cannot work properly.

Please follow the instructions below for the first-time installation of the Stream Media Mirror Dash Camera. It is designed to be fitted to the existing rear-view mirror using the straps.

Insert Micro SD Card

Insert the Micro SD Card into the stream media mirror dash camera, taking care that the gold contacts are facing towards the backside of the stream media mirror dash camera. Push the memory card until it clicks into the slot.

Insert Micro SD Card

Notice:

▶ Notice:Use your nail to push the memory card into a slot if required. Take care that the card has clicked into the slot, a second push inwards will release the memory card.

▶ Do not remove or insert the memory card when the Mirror Dash Cam is turned on. This may damage the memory card.

▶ Take care when removing the SD card from the Mirror Dash Cam when it is installed in the vehicle. Due to the card slot mechanism, the card will spring from the slot when released.

▶ Periodically reformat the memory card. Every 2-3 weeks we recommend that you reformat the memory card. Please do this after you've downloaded any files from the SD card that you may want to keep, as formatting the card will remove all content.

▶ Format your memory card using the Mirror Dash Cam. This will make sure that the card is structured specifically for your camera.

▶ Press ⚙ to enter into the setting and choose the Format Card option to follow the on-screen instructions accordingly.

Mount the Mirror Dash Cam

Step 1: Attach the upper end of the straps to the retaining hooks on the top of the rear-view mirror.

Step 2: Extend the straps around the back of the rear-view mirror and attach them to the bottom retaining hooks.

Notice:

▸ The straps have been designed so they can be cut down to give further size options, as required.

▸ The straps should be a tight fit when fitted, thus ensuring the Stream Media Mirror Dash Camera is securely fitted to the existing rear-view mirror.

Docking Station Installation (As shown in illustration)

step 1: Take the docking station out of the box, and tear off 3M adhesive of it. Then please affix it to the front windshield.

step 2: After installed, please link the host of G890 with docking station.

Please pay attention to that interface of the dock should be upward.

Camera Installation

▶ Uncover the 3M tape protective film and lens protective film of the front camera and the internal camera.
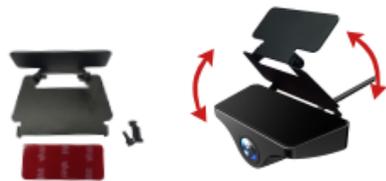
▶ Attach the internal camera to a suitable position on the front windshield.

Rear Camera Installation

Use the provided double-sided tape or screws to fix rear camera. The angle can be adjusted, so be sure to find a perfect viewing angle for your camera before fix it.

Install inside the car

Please choose type 1 bracket to mount the rear camera if you'd like to install it inside your vehicle.
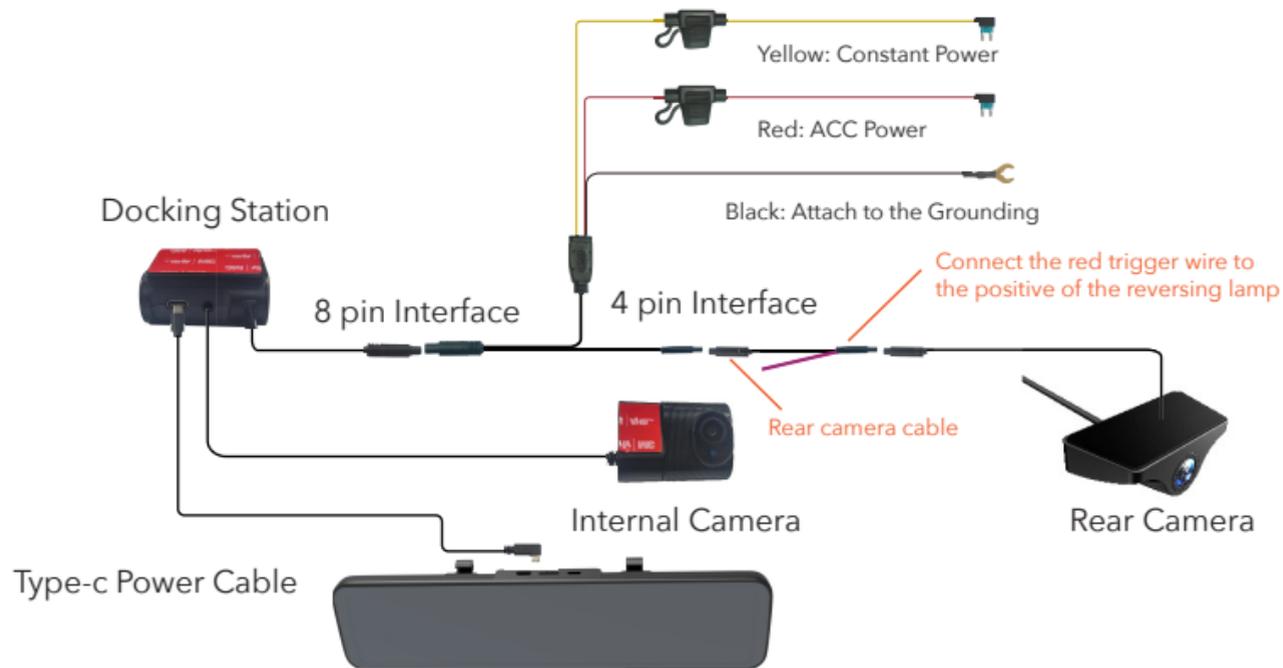
Install outside the vehicle

Please choose type 2 bracket to mount the rear camera if you'd like to install it outside your vehicle.
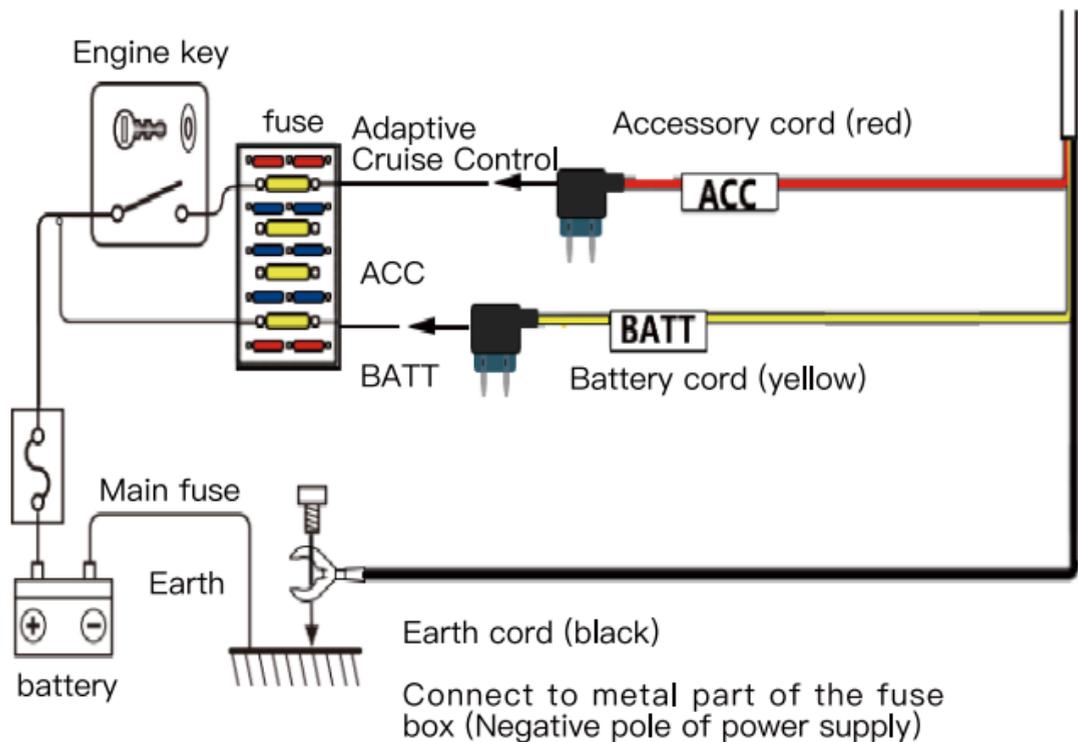
Rear Camera Installation

Notice:

▶ Make the connection first and ensure the machine work well before installing.

▶ Keep away with the driving operation and the active part of the car. Do not get caught by screws or seat gaps.

▶ When drilling holes in car, please do not break the vibrator, tank and wires.

▶ Before attaching the double-sided tape, please remove stain or oil with alcohol cleaner from the surface.

▶ When temperature is low, please warm up the mounting surface with dryer, in order to improve the adhesion before sticking.

▶ The provided 3M sticker cannot be reused, or the adhesion will not be strong enough.

▶ Do not disassemble or change any part of this product, this will not be covered by warranty.

Wiring Introduction

Yellow: Constant Power

Red: ACC Power

Black: Attach to the Grounding

Docking Station

8 pin Interface

4 pin Interface

Connect the red trigger wire to the positive of the reversing lamp

Rear camera cable

Internal Camera

Rear Camera

Type-c Power Cable

NOTICE: The purple line in the picture refers to the reversing light line.

Engine key

fuse

Adaptive Cruise Control

Accessory cord (red)

ACC

ACC

BATT

BATT

BATT

Battery cord (yellow)

Main fuse

Earth

battery

Earth cord (black)

Connect to metal part of the fuse box (Negative pole of power supply)

16

Insert Red, Yellow & Black Cables

a. Yellow cable (BATT/B+)
The yellow wire should be connected to the constant power supply in the car fuse box.
Test method: Use a voltage tester to check the fuse slot to make sure it still has power when the car's engine is turned off.

b. Red cable (ACC)
The red wire should be connected to the ACC power supply in the car fuse box.
Test method: Use a voltage tester to check the fuse slot to make sure it has power when the car's engine is on but no power when the engine is off.

c. 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 shown on the left).

Universal Compatibility Chart

Connection Method	The Camera With Parking Guard Function Will	
	While Driving	While Parked
ACC Power / Ground / Constant Power	Normal Continuous Recording	Record In Parking Guard Video
ACC Power / Ground / X	Camera will Never Power ON	Camera will Never Power ON
Constant Power / Ground / Constant Power	Normal Continuous Recording	Normal Continuous Recording
ACC Power / Ground / ACC Power	Normal Continuous Recording	Power OFF While Parked
Constant Power / Ground / X	Camera will Never Power ON	Camera will Never Power ON
Constant Power / Ground / ACC Power	Normal Continuous Recording	Power OFF While Parked
X / Ground / Any Power	Normal Continuous Recording	Normal Continuous Recording

* X Means No Connection or Connect to Ground

Attention

Before using this product, please read all precautions and instructions to ensure proper and safe use.

▶ Please install by professional installation personnel, if personal operation improper, resulting in short circuit of car power, car battery damage, or car interior damage, the company is not liable.

▶ Loss caused by installation problems rather than quality problems of the product itself, the company is not liable.

▶ The working performance of the product is affected by the reliability of the automobile power supply, automobile battery and main equipment. The product cannot be used normally due to quality problems other than the product itself, the company is not liable.

▶ Please use this product to the extent permitted by law.

If you have any questions about installation, please feel free to contact us.
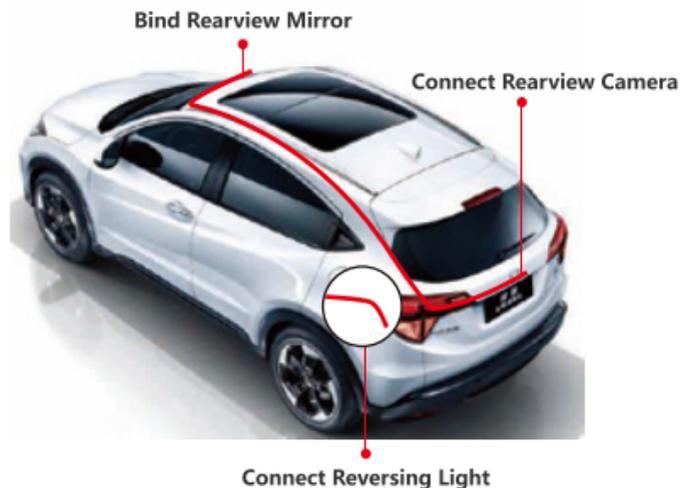
Wire Layout in the Vehicle

Step 1: Connect the car charger to the cigar socket.

Step2: After connecting the interior camera and the display screen, plug the interior camera into the docking station. Please ensure that the docking station and the interior camera are installed in the proper position of the front windshield.
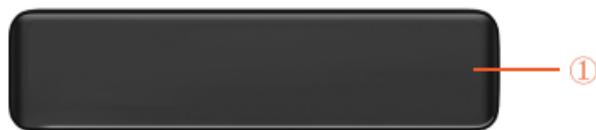
Step3: Connect the interface of the rear cable with the interface of the docking station, and hide the rear camera cable inside the vehicle.

Bind Rearview Mirror

Connect Rearview Camera

Connect Reversing Light

Note: If wiring doesn't meet expectations for installation in the vehicle, cable clips can be used to secure the cables installation as desired.

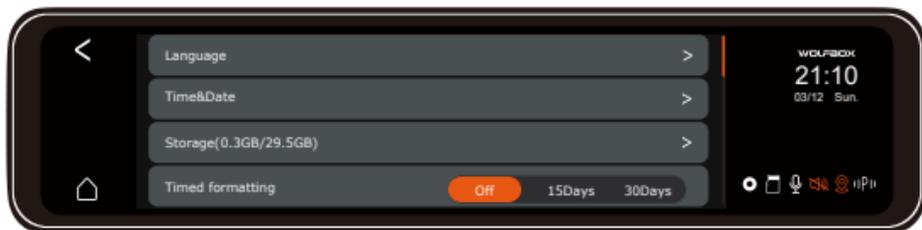# Product Overview

Appearance Description

① Screen

② Front Camera

③ Speaker

④ Power supply port

⑤ Micro SD card slot

⑥ Power Button
  - Short press to switch off/on the screen, long press to switch off/on the power

⑦ Power Button

⑧ Internal Camera

⑨ Internal Camera Interface

⑩ Docking Station Power interface

⑪ Rear camera

●	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
21:10	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	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

Notice: You need to pause recording before entering into settings.

23

▶ **Language: Set the language, the default is English.**

Optional languages: English/Français/Español/Deutsch/Italiano/ 简体中文 /pyccКuЙ/ 日本語 / Polski.

▶ **Time&Date:**

Automatically sets The Time By GPS: On/Off

Note: You can set the current time manually if this settings is off.
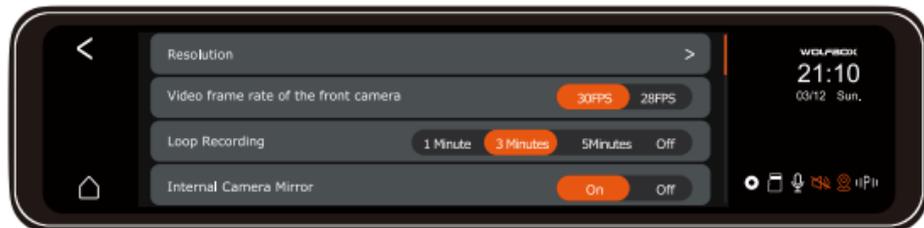
Time zone: Select the desired time zone.

24-Hour: On/Off

Storage(~GB/~GB): Format SD Card.

Note: 1 The storage information of Free Space, Video, Photo and Cap are all here.
　　　2 Front storage means occupied, the latter means the total storage.

▶ Time Formatting: Off/15Days/30Days (Default Off)
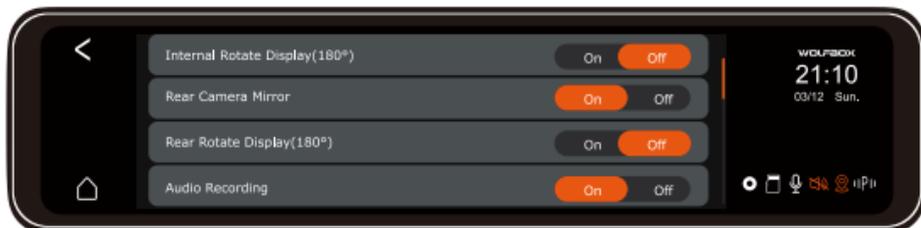　 Format your SD card regularly to avoid running out of space for recording.

▶ Resolution: (2 resolution modes)
　　　　　　　Front+Internal+Rear: 1440P+1080P+1080P/1080P+1080P+1080P
　　　　　　　Front+Rear: 2160P+1080P/1440P+1080P/1080P+1080P

▶ Video frame rate of the front camera: 30FPS/28FPS

▶ Loop recording: 1minutes/3minutes/5minutes/OFF

▶ Internal Camera Mirror: On/Off (Default On)

Note: Turn it on, the recording image of internal camera wiil be shown on the screen.

▶ Internal Rotate Display(180°): On/Off (Default Off)

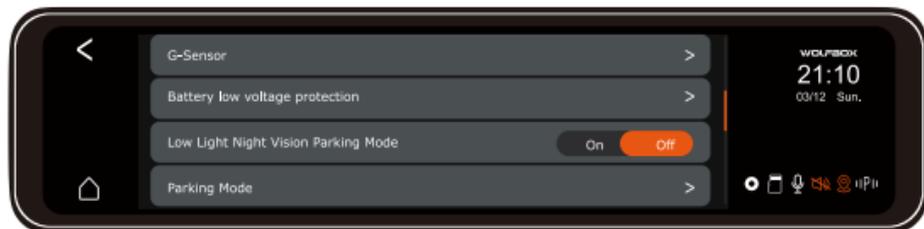Note: Turn it on, the recording screen of internal camera will be adjusted to 180°.

▶ Rear Camera Mirror: On/Off (Default On)

Note:Turn it on, the recording image of rear camera will be shown on the screen.

▶ Rear Rotate Display (180°): On/Off (Default Off)

Note: Turn it on, the recording screen of rear camera will be adjusted to 180°

▶ Audio Recording: System will start audio recording automatically once turned on.

▶ G-Sensor: Select the sensitivity of the G-Sensor or turn it off. The locked files will not be over written. Please copy important locked files to your computer for storage, and format the SD card every two to three weeks.

Select the sensitivity of G-Sensor. (Each directions included)

Forward and Backward:1/2/3/4/5/Off
Leftward and Rightward:1/2/3/4/5/Off
Upward and Downward:1/2/3/4/5/Off

Note: The highest sensitivity of G-Sensor is 5 level.

▶ **Battery Low Voltage Protection: 12V Car Protection Voltage: 11.8V/12V/12.4V**

Note: Not support for 24V Battery

Mode Introduction:
1. When plugged by hardware kit, the unit will automatically adjust to battery.
2. When the battery of vehicle reaches the certain protection, it will be shut down immediately.

▶ **Low Light Night Vision Parking Mode: On/Off**

Mode introduction:
In order to ensure the safety of parking at night, this product adopts low-light night vision function, which effectively enhances the night vision effect in parking mode. The lens of front camera will be adjusted and operate automatically when entering the parking lot.

▶ Parking Mode:
  Collision Detection: On/Off. When turning on, you can set its sensitivity (1/2/3/4/5)

Low Framerate Mode: Set turn/off. This mode is set to enable further debugging mode options.

Mode introduction: It will record time-lapse video at 1FPS/3FPS/5FPS/10FPS recording one frame with in 4/8/12/24/Unlimited hours after parking.

The frame rate of Parking monitoring video: 1/3/5/10FPS

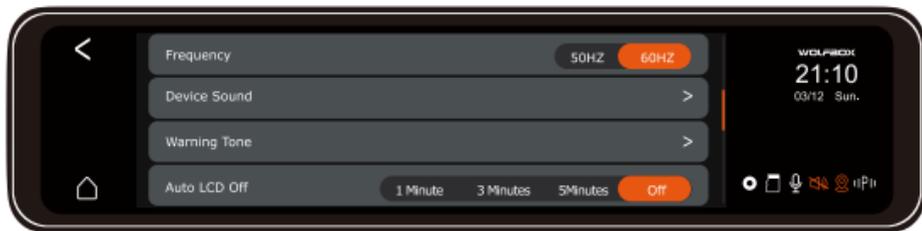▶ **Motion Detection: On/Off.**

Mode introduction:
In the parking monitoring mode, the front camera will automatically capture the movement changes in front, and load the first 5 seconds of motion detection into the motion detection video, and the video will be set to 30 seconds.
Note:1 Turning off the DASH CAM manually will cause this mode to turn off.
      2This mode will be ceased automatically when the recording is enabled normally.

The sensitivity of Motion detection: Low/Medium/High

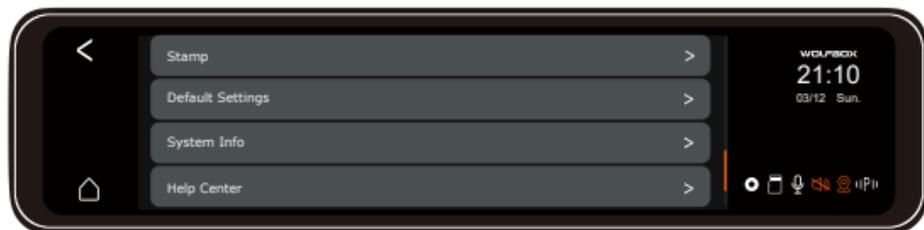Parking Recording Duration: 4H/8H/12H/24H/Unlimited

▶ Frequency: 50HZ/60HZ

▶ Device Sound: Off/Low/Medium/High (Default Medium)
  Set the sound of the host, including the sound of startup, prompt, button, and video playback.

▶ Warning Tone: (Default ON)
                  Format Reminder Setup: On/Off
                  Video Locked Prompt Tone: On/Off
                  Abnormal Video Recording Stopped Prompt Tone: On/Off
                  Keys Sound: On/off

▶ Auto LCD OFF: (Set screen saver time)
  -1 minute/3minutes/5minutes
  -Off (Set to OFF, the screen will keep on)

▶ LCD Brightness: Low/Medium/High

▶ Reversing Setting:
  Reverse aid line: On/Off
  Reverse Preview Seetings: You can adjust the reverse line in this settings. (zoom in and out, lengthen and shorten, widen and narrow)

▶ Time Lapse: 1FPS/3FPS/5FPS/10FPS/Off

Note: Set the frame rate of the time-lapse recording of the video.

▶ GPS:On/Off (Default On.)
      Speed Unit: kmh/mph
      GPS Information: Longitude and Latitude
                      Speed
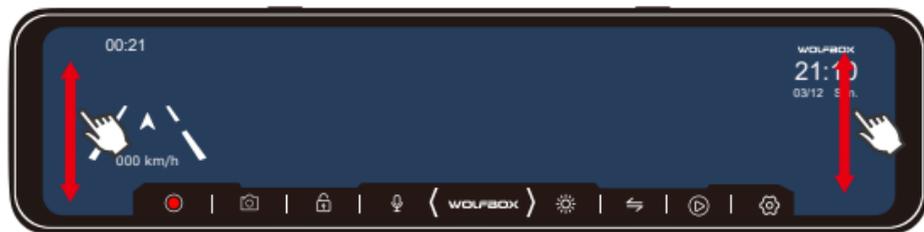   GPS State (You can check these info here)

▶ Stamp: Date/Time Stamp: On/Off
           Speed Stamp: On/Off
           GPS Location Stamp: On/Off

▶ Default Settings: Restore the initial settings.

- ▶ System Info: Model
                  Software
                  Website
                  MCU Version(You can check these info here)

- ▶ Help Center: WolfBox after-sales service QR code

https://wolfbox.com/contact-us/

Brightness and visual angle Adjustment:

On the LEFT side of the screen: Slide up and down to adjust the angle of view.

On the RIGHT side of the screen: Slide up and down to adjust the brightness.

Anywhere on the screen: Swipe the screen left or right to switch between front view, rear view, or split-screen view.

Data Playback

To select a video or photo for playback, press the 🔁 button. Press the icons of left arrow ⊙ and right arrow ⊙ to switch the list and then select the desired video to start playback.

🎥 Video	🔒 Lock Video	🖼 Photo	✍ Video Selection
⊙ Left Switch	⊙ Right Switch	⌂ Home Screen	‹ Return

 Lock/Unlock the file.

 Display the previous photo/video.

 Start or pause the playback.

 Display the next photo/video.

 Delete the file.

 Note: Click the ▶▶ icon once to accelerate the playback speed by 2 times,

and click the ◀◀ icon once to reduce the playback speed by 2 times.

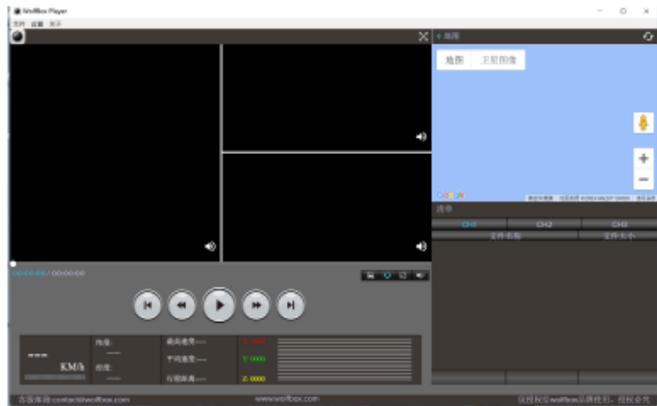Increase or decrease the speed up to 8 times.

Play on Computer

Correct Video Player to Play 4K Videos
We recommend GPS Media player which can view google maps. You can get it free. Mac/Win
Version Download：https://wolfbox.com/gps-player/

CAUTION:

▶ If you encounter problems during use, please
   CONTACT US.

Trouble Shooting

▶ **The power does not turn on**

Please check that the cigarette power cable is not damaged, and whether the indicator light of
the cigar plug is on.

▶ The power is on but this device can not be turned on

When checking that the cigarette plug power supply is right in place, please long press the power button to see whether it is turn on. If it still cannot be turned on, please reset it.

▶ Stop recording as soon as it start recording

Please check that the mirco SD Card is inserted, and the capacity of the Micro SD card.

▶ Time display is incorrect after setting

Please ensure to choose the correct time zone when GPS antenna is connected.

Warranty & Support

▶ Warranty

All dashcams come with a 12-month manufacturer warranty, and all accessories come with a 90-day manufacturer warranty. This warranty is to cover manufacturer defects and does not apply to the mistreatment or mishandling of the dashcam.

▶ Support

If you have any questions about the product functions or installation, please feel free to contact us through amazon or contact@wolfbox.com. Your inquiries will be answered within 6-12 hours of the working day.

▶ Your opinion matters

We work hard day and night to improve the quality of our products,services and the user experience. Please feel free to contact our company if you have any valuable suggestions for product improvement. Expecting your contact.

E-Mail

LINE

▶ After-sales Support

E-mail: contact@wolfbox.com

Customer Phone Service:
+1 888 296 8399
Business Day, Mon-Fri
6 AM-12 AM, 1 PM-8 PM
EST (GMT-4)

Check us out here!
We have professional customer service!

CE FC RoHS