![OVAMAN]

K800 USER MANUAL

⚠ Please note that this product may update without prior notice.

If you have any question while using this product, please contact us: **support@ovaman.com**

K800 CONTENT

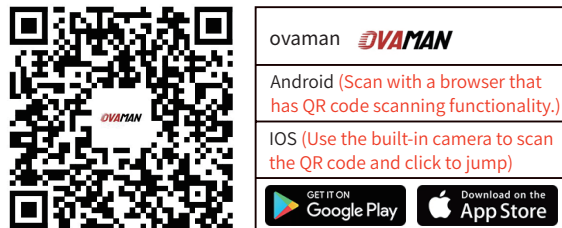## Linking Process

1, **Android:** Use a browser with QR code scanning function on Android phones(Recommended: Edge, Opera) to scan the QR code and download "OVAMAN" while allowing all permissions.

　IOS: use the built-in camera on iPhones to scan the QR code, and click the yellow button that pops up below the QR code in the camera interface to download it from the Apple App Store.

| ovaman 　　**OVAMAN** |
| Android (Scan with a browser that has QR code scanning functionality.) |
| IOS (Use the built-in camera to scan the QR code and click to jump) |

2, OVAMAN app, you can also search and download it by searching for OVAMAN in the Android store or Apple App store (allow all permissions).
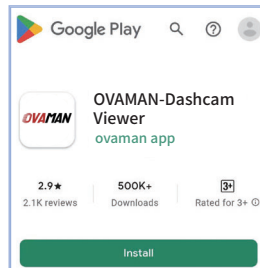
Android (Google play)　　　　IOS (App Store)
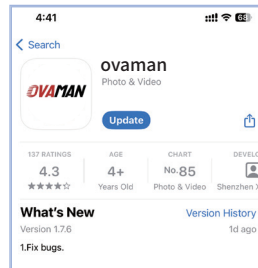
3, click the + sign in the upper right corner of the APP homepage, then select next step to link WIFI.

4, Turn on the dash cam, go to settings and enable the Wi-Fi hotspot. On your phone, click to connect to the hotspot signal starting with "K800 ******." When a prompt appears stating that the WLAN cannot access the internet, click "Use." After connecting to the hotspot, return to the app's homepage to complete the app connection.

(Some older mobile phones that do not support 5G WiFi need to set the WiFi frequency band to 2.4GHz in the dashcam system settings.)
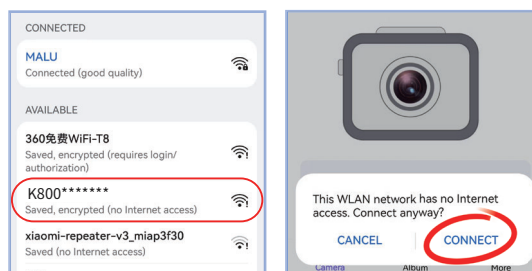
**K800 Connect To
Wifi Operation Guide**

**K800 Dash Cam
Installation Video**

**Hardwire Kit
Installation Video**

▶ YouTube

AutoNex mall 🔍

understand the latest updates

**Whatsapp link: https://wa.me/mes-
sage/BQCA2VOM345OB1**

Email

Whatsapp

E-mai:help@ovaman.com

Important Notes

Before installing the dash cam, please remove the protective film from the front and rear lenses, and apply the included static cling film to the car window.
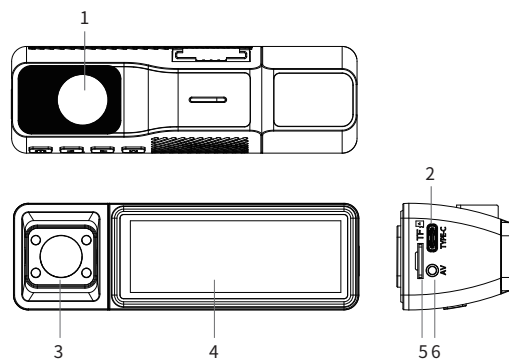

Hardwire Kit (Necessary for the parking monitoring function) (Not included in the package, please purchase separately if needed.)

Hardwire Kit Needed Extra Purchase

4

1.Product Overview

Our dash cam adopts high-performance chipset to provide high-definition video and seamless dynamic images. Please read this manual carefully before use!

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3   4   5 6

1. Front cam   2. Power socket   3. Light

4. Screen   5. TF card slot   6. Rear cam socket

2. Performance Parameter

Front cam	4K(3840*2160)
Cabin cam	1080P(1920X1080)
Rear cam	1080P(1920X1080)
Language	MULTI-LANGUAGE
TF card	TF
Video resolution	4K+1080P+1080P
Photo resolution	4K+1080P+1080P
Storage compression method	H.264
Video format	TS
Photo Format	JPEG
Storage temperature	-30°C~70°C
Operating temperature	0°C~50°C
Operating humidity	15-65%RH
Storage card capacity	MAX SUPPORT 256GB

3. Key Function Description
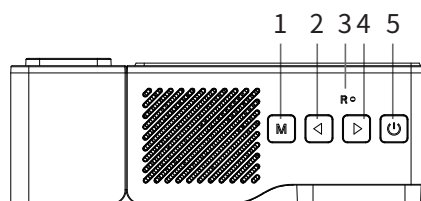
1. Menu:
In preview mode(After stop recording): Short press it enter menu interface.
In preview mode(When recording): Short press it lock the current video.
Playback mode: Short press it to back the previous page.
2. Direction(Left):
In preview mode: Short press it turn on/off voice recording.
In menu page: Short press it go left or upon.
In playback mode: Short press it go left or upon.
3. Rest: Short press this button to restore the dash cam to factory settings.
4. Direction(Right):
In preview mode(After stop video recording): Short press it switch front, cabin or rear display.
In preview mode(under video recording): Short press it for taking photo.
In menu page: Short press it go right or down.
In playback mode: Short press it go right or down.
5. Power Button
In preview mode: Short press it turn on/off video recording.
In menu page: Short press it go right or down.
In playback mode: Short press it go right or down.
Long press: Turn it off.
Short press: Start/stop video recording

4. Preview Interface Introduction

1. Video recording icon

Red icon means recording on. Yellow icon means emergency recording. The non-recording state will be hidden

2. Video recording time

The recording time is displayed in normal recording mode. The default value is 1 minute. You can change the time by selecting loop recording in the settings interface. The time will be hidden when not recording.

3. Video resolution

Shows the current video resolution.

4. System time

Shows current RTC. It can be set in mean settings.

5. GPS icon

If with GPS antenna, there will show red GPS icon. If without any icon, it means there is no GPS antenna or doesn't support.When catch the GPS signal, there will show green GPS icon.

6. G-sensor state

7.Voice recording: Shows if turn on/off voice recording.

8.TF card states: Show if insert TF card.

9. WIFI icon

There will show white WIFI icon if turn on WIFI, it can be set the mean settings to turn it on or off.

10. Wifi name and password

11. GPS speed(optional function)

12. Video display view

Short press the right direction key to switch front, cabin or rear display after stop recording, or switch to full screen display.

5. Main Interface Introduction

In preview interface, short press menu button enter main interface, there are different setting of "Dash Cam" "System Setting" "File Explorer" "Smart Driving" setting, all can be set by hand.
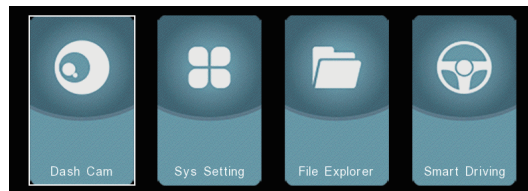
6. System Setting Menu

In preview interface, short press menu button will enter mail interface, and select "System Setting". Short press power button will enter system setting interface. Can be set as your requirements.
Note: All settings will be save after turn of the dash cam.
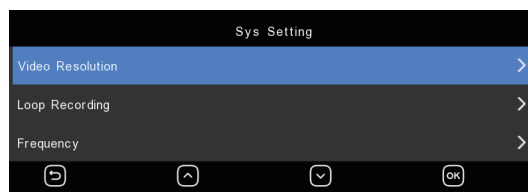
1. Video Resolution
4K(3840x2160), 2.5K(2560*144), 1080P(1920*1080P) setting optional, default set 4K(3840x2160).

2. Loop Recording
Indicates the recording time length and file segmentation duration. The recording period can be set to 1, 2, or 3 minutes, with the default being 1 minute.
Note: When the SD card is full, the recorder will overwrite the earliest recorded footage.

3. Frequency
Set to 50Hz or 60Hz to suppress flickering caused by different lighting conditions. The default is 60Hz.

4. Collision Detection Sensitivity
Options: Off, Low, Medium, High. The default is Medium.

5. Parking Monitor
Options: Off, Low, Medium, High. The default is Off. When activated, if collision occurs after the car is turned off, the recorder will start and record a short video, then turn off.

6. Time-Lapse Recording
Options: Off,1FPS/S,2FPS/S,5FPS/S. "Off" means time-lapse recording is disabled. The other options indicate the time-lapse recording rate. Note: Time-lapse recording and providing monitoring require the installation of a voltage step-down line and long-term power connection.

7. Time-Lapse Recording Duration
Options: 12 hours, 24 hours, 48 hours, 72 hours. Indicates the duration of time-lapse recording after the car is turned off.

8. Sound Recording
Options: Off, On. When turned on, the sound from the environment will be recorded along with the video; otherwise, there will be no sound.

9. Time Stamp
Options: On, Off. When turned on, a timestamp will be added to the recorded video. When off, there will be no time stamp.

10. HDR
Options: On, Off. When turned on, the exposure effect will be better, and the overall image will be slightly darker.
11.In Camera's Preview
Options:No Change, Preview Mirror, Record Image, Video Mirror, Upside Down, Upside down&Video Mirror.
12.Internal Recording
Options: Off, On. The cabin camera can be set on or off, if turn off cabin camera, it will not recording.
13.Rear Camera's Preview
Options:No Change, Preview Mirror, Record Image, Video Mirror, Upside Down, Upside down&Video Mirror.
14.Volume Setting
Options: Off, Low, Medium, High. Sets the volume of the voice prompts.
15.Pressing Sound
Options: Off, Low, Medium, High. Sets the volume of the button sounds.
16. Infrared Light
Options: Off, Low.
17.Screen Saver
Options: Off, 1 minute, 3 minutes. When set to Off, the screen remains on.
18.Speed Unit
The unit of speed displayed by GPS, km/h or mph.
19.Time Zone
Select from the 24 global time zones as required if with GPS function. If without GPS, then no need to select.
20.Language
Multi-languages for setting.
21. Satellite Information
GPS information and signal states.
22.WIFI Frequency Band
Support two frequency bands: 2.4G and 5.8G.The advantage of 5.8G is faster download speed.

23.WIFI Information
Manually turn WiFi on and off.
24.Date&Time Setting
Manually set the system time of the dash cam.
25.Format
Format the TF memory card; regular formatting is recommended.
26.Version Information
Shows the firmware version of the dash cam.
27.Factory Reset
A dialog box will pop up to confirm if you want to restore factory settings.
Confirming will reset all functions to the factory settings interface.
28.Simulate USB drive

7. Playback Interface Introduction

In the main interface, short press the menu key to enter the system main
interface, then select "File Explorer" to enter the playback interface. Use the
direction keys to select different videos (Video-Front, Video-Front-Lock,
Image-Front, Video-Interior, Video-Interior-Lock, Image-Interior, Video-Back,
Video-Back-Lock, Picture-Back).
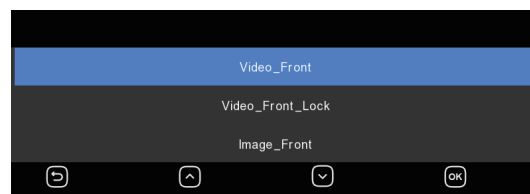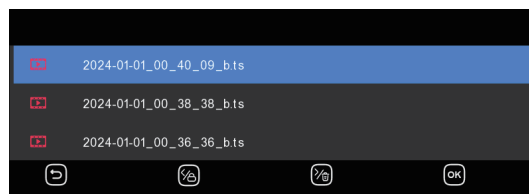
After enter the playback page, you can play the recorded video. Press the right/left direction button for choosing last one or next one. Short press the menu button return to last page or turn off the playback videos.

8. Introduction of ADAS & BSD

In the preview interface, short press the menu button to enter the main interface. In the main interface, select the "Intelligent Driving" icon to enter the ADAS & BSD settings options. Use the direction keys to move the icon and the OK button to confirm operations.

Note：
1. ADAS and BSD can only choose one at a time.
2. When this function is turned on, the recording resolution is reduced to 2K.
3. This function is auxiliary and not a basis for determining whether the product is functioning normally.
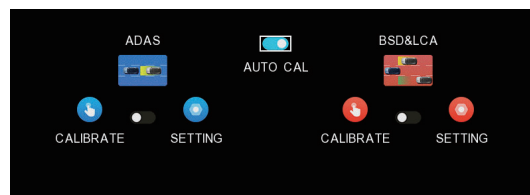
ADAS: Using the front camera image and a dedicated image recognition algorithm, ADAS detects various conditions that may affect driving safety, such as collisions, lane departures, and pedestrians. It alerts the driver through voice and screen display to pay attention to driving safety.

1. Automatic Calibration: Automatically calibrates based on the actual image.
2. Manual Calibration of ADAS: Enter manual calibration mode to adjust the angle of the front view.
3. ADAS On/Off Switch: Note: Turning it on reduces the recording resolution to 2K.
4. ADAS Sensitivity Settings: (After entering the options).

    1. Forward Collision Warning (Off, Low, Medium (default), High); voice prompt: "Attention to collision."
    2. Lane Departure Warning (Off, Low, Medium (default), High); voice prompt: "Please do not cross the line."
    3.Pedestrian Collision Warning (Off, Low, Medium (default), High); voice prompt:"Attention to pedestrians."
    4. Forward Vehicle Start Warning (Off, Low, Medium (default), High); voice prompt: "The car in front has started."
    5.Close Distance Warning (Off, Low, Medium (default), High); voice prompt: "Maintain distance."
    6. Alarm Sound (Off, On); turning off will disable sound alerts.
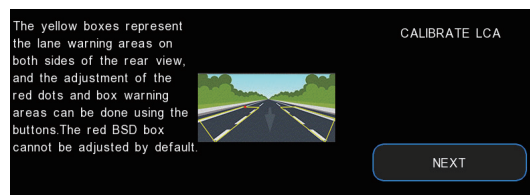   7. Display Alarm Area and Prompt Box (On, Off); turning off will disable the prompt box display.

Red line: Horizon line - align where sky meets ground.
Green line: Central axis - align where road meets horizon.
Yellow line: Hood line - align where hood meets ground.

CALIBRATE ADAS

NEXT
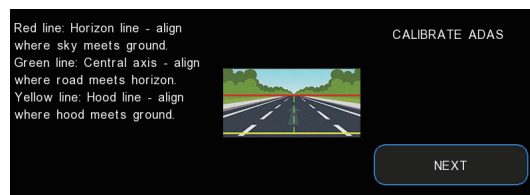
BSD： Using the rear camera image and a dedicated image recognition algorithm, BSD detects vehicles and pedestrians in the left, center, and right directions that may affect driving safety. It alerts the driver through voice and screen display to pay attention to driving safety.

5. Manual Calibration of BSD: Enter manual calibration mode to adjust the angle of the rear view.
6. BSD On/Off Switch: Note: Turning it on reduces the recording resolution to 2K.
7. BSD Sensitivity Settings:
   1. Alarm Sensitivity (Low, Medium, High)
   2. Speed Threshold (0, 30 km/h (default), 50 km/h, 80 km/h, 100 km/h); this function activates above the specified speed.
   3. Alarm Sound (On, Off); turning off will disable sound alerts.
   4. Display Alarm Area and Prompt Box (On, Off); turning off will disable theprompt box display.

The yellow boxes represent the lane warning areas on both sides of the rear view, and the adjustment of the red dots and box warning areas can be done using the buttons.The red BSD box cannot be adjusted by default.

CALIBRATE LCA

NEXT

1. Recording status
2. Real-time picture
3. Front and rear video switching
4. Recording button
5. Photo button

6. Full screen preview
7. Recording switch
8. Dash cam playback
9. Dash cam settings

9. Packing List

Object name	Quantity
Dash cam	1
Cigarette lighter wiring	1
Rear camera	1
Installing the pry plate	1
Wiping cloth	1
Electrostatic sticker	3
Customized Card	1
Adhesive	1
Instructions Card (Warranty Card)	1
TF storage card	1
Certificate of conformity	1

Installation Guidance Description

Hidden Wiring

Optimal Installation Position

Car Charger Power Supply
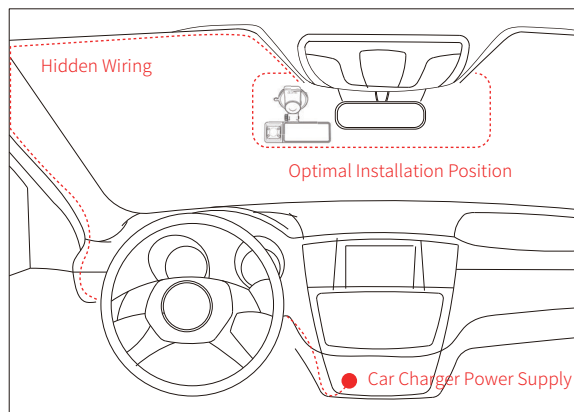
Important Matters:

1. Before installation, power on the device to check if all functions are normal. Do not forcefully pull the wires during installation. Ensure that the connection terminals are not incorrectly connected, misplugged, or reversed.

2. If the functions and display are normal before installation but abnormal after installation, it is likely due to installation issues. Please check if there is a short circuit in the connection wires or if the pins inside the connection terminals are bent or short-circuited.

3. During the vehicle installation process, it is strictly prohibited to damage or modify the original wiring circuits. If the wiring is damaged during installation, the entire set of new wiring must be replaced and installed before powering on the device.

APP Interface Introduction

(Interface may be different due to different operating system but it will still work.)
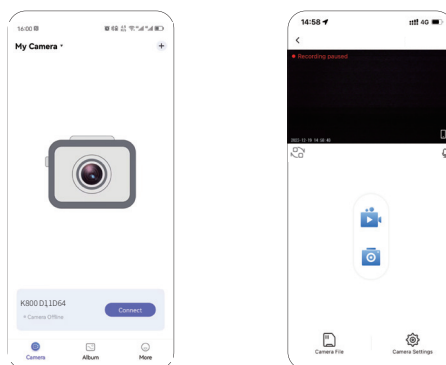

Photograpih: Mode for taking pictures, tap 🔘 icon to take a photo,Video Recording: Mode for recording video, tap 🎥 icon to start recording;

▫ Tap to check out the video files

▫ Tap to check out the image files

⚙ Tap to enter setting menu

⬆ Tap to check out video and image files which are downloaded

⤳ Into phones; You can share those files with your fam ily and friends on SNS

▯ Tap to preview in full screen

⛶ Front and rear video switching

1

Check out files in dash cam

Tap this icon to enter the main interface of folder, press and hold anyvideo files and then you can edit the video file as below.
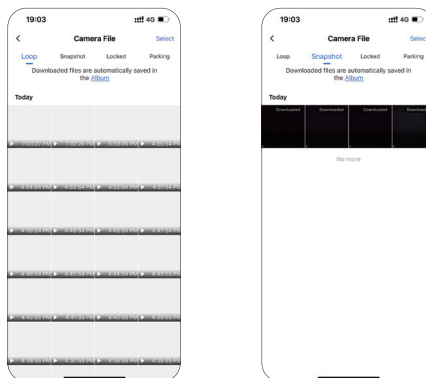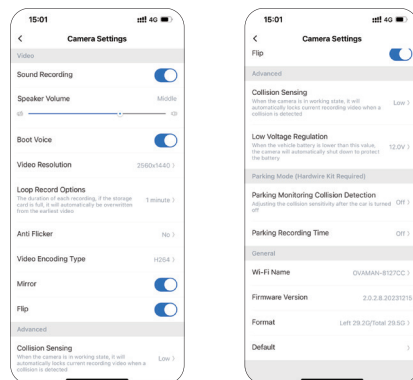

⬇️ Select an image or video and tap this icon to download it into phone

🗑️ Select an image or video and tap this icon to delete it

‹ Cancel : tap to quit edition;

1

Audio recording: Tap to turn on/off audio recording while recording video

Speaker Volume: Move the slider bar to increase or decrease your Speaker Volume

Startup sound: Tap to turn on/off start up sounde

Video resolution: Tap to select from 4K/2K

Recording time: Tap to select from 1/3/5 minutes

Frequency: Tap to select from none or 50/60

Video encoder format: Tap to select from H264/H265

Left and right mirroring: Tap to turn on/off left and right mirroring Upside Down: Tap to turn on/off upside down function

Collision sensitivity: Select from Low/Middle/High
Low-voltage Adjustment: Tap to set a target voltage. (The dash cam will automatically power off to protect car battery while the voltage of car battery is under this voltage.)

Collision sensitivity while parking: Tap to select sensitivity level or off while parking Monitoring time while parking: Tap to select monitoring time or off while parking
WiFi SSlD: Tap to change the WiFi SSlD/Name
Firmware Version: Tap to check out the firmware version
Memory card formatting: Tap to format the TF card
Restore factory setting: Tap to restore factory setting

Dash Cam Hardwire Kit Installation Guide

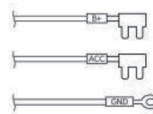### Function of the Dash Cam Hardwire Kit

The typical voltage in a car is 12V, while the universal voltage for dash cams is 5V. The Hardwire Kit steps down the voltage from the car's 12V to 5V for use by the dash cam.

Hardwire Kit Power Connection Required for 24 Hours Parking Mode (Collision Detection and Time-Lapse Video Duration)

Warning:

Incorrectly connecting the hardwire kit may render parking mode inoperable and damage the car battery.Hardwire Kit installation Method Connect to the car's constant power fuse. Yellow wire_>B +Red wire >ACC_> Connect to the positive terminal of the car battery (controlled by the ignition switch) Black wire->Ground-> Ground (attach to the screw in the fuse box).

Hardwire Kitinstalation Method
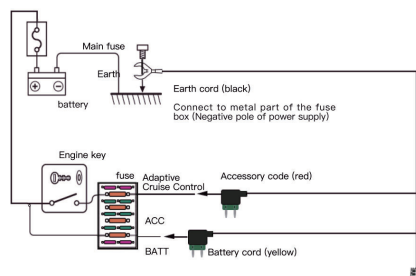
Step 1: When choosing an installation location, ensure the dash cam's hardwire kit can be connected to the car's power source without obstructing the driver's vision or interfering with driving operation

Step 2: Before starting installation, be sure to disconnect the power to prevent electrical malfunctions or vehicle damage.

Step 3: Connect the red wire of the hardwire kit cable to the ACC in the fuse box, the yellow wire to the car's constant power source, and the black wire to ground (use a test pen to confirm connections during the installationprocess).

Step 4: Reconnect the car's power, start the engine, and ensure the dash cam is functioning properly.

Note:
Protect the car's internal wiring during wiring to avoid affecting the normal operation of other devices. lf you are unsure about your actions, it is recommended to seek assistance from a qualified professional.

FQA
Q1. How to Enable Parking ModeParking Mode is enabled through the dash cam's settings menu:Enter the dash cam's settings menu and find the "Collision Detection" option and enable it.

Q2. My Dash Cam Doesn't Record Videos After Parking. What Should l Do?

- Check Power Connection: Ensure the hardwire kit is connected correctly and that it is connected to both always-on power (BAT) and ignition power (ACC).

- Check Dash Cam Settings: Confirm that Parking Mode is enabled in the settings menu.

- Voltage Test: Use a multimeter to measure the hardwire kit's output voltage. Ensure the output voltage is stable and meets the dash cam's requirements.

- Hardwire Kit issues: lf the above checks are satisfactory, the hardwire kit may need to be replaced.

Q3. How Long Can Parking Mode Recordings Be Saved?

Recording time depends on storage card capacity and recording mode. In parking detection and gravity sensing modes, recording only occurs when an event is detected, resulting in longer storage times. In time-lapse videoduration, recording files are smaller and can al so be stored for a longer period. lt is recommended to use a high-capacity storage card and regularly clean or back up recording files.

Q4. Where Can l View Parking Mode Recordings?

Parking Mode recordings are typically stored on the dash cam's storage card and can be viewed in the following ways:

- Dash Cam Playback: Long-press the menu button to enter the playback interface. Recordings will be stored in a locked file.

- Computer Viewing: Remove the storage card, insert it a card reader connected to a computer, and open the playback folder in the file manager.

- Mobile App: Enable the dash cam's Wi-Fi function, connect to the Wi-Fi on your phone,open the app: OVAMAN, and view playback files.

⚠ INFRINGEMENT

The video (audio files recorded by this product cannot be used without the permission of the rights owner, except for personal use.)

when you're using product with battery
You need to obey the rules blow:

⚠ **DANGER**	● Do not remodify or dismantling the product. ● Do not heat or put the product into fire ● Do not put the product long-termly under scorching sun or high temperature environment. These behaviours may cause fire disaster and personal injury.

When you need dispose built-in batterycomponens
You need to obeythe rules blow:

⚠ **DANGER**	● Do not throw the battery in to fire or water, or heat it. ● Do not put the battery under the scorching sun. ● Attach insulating tape to the battery connector. These behaviours may cause fire,explosion battery liquid leak, personal injury.

when you need to dispose of built-in battery components You also need to pay attention that:

⚠️ **DANGER**	● It is not reachable for a child ● Seek help from a doctor if the battery liguid contacts one's eyes. These behaviours may cause fire,explosion, battery liquid leak, personal injury.

When youinstall this product:

⚠️ **DANGER**	🚫 **Please do not install this product on vehicles that does not fit DC12V/24V(with earthwire) electronic facility** If you connect this product with power port that is notDC12V/24V, it may cause fire and other functional failure 🚫 **Do not install and wire in a location that blocksthe operation of the airbag** This may cause airbag malfunction and lead to fatal accident. 🚫 **Never use bolts or nuts for car safety parts (steering, brakes, tanks, etc.)** This may cause traffic accident 🚫 **Do not install in places that obstruct visibility or driving,or that may cause danger to passengers**
	ⓘ **We recommend that you ask help from the professional for installation and wiring** Incorrect installation or wiring can cause serious damage to the car and cause a traffic accident. **Please do not install this product on vehicles-that does not fit DC12V/24V(with earth wire)electronic facility**

Please refer to this manual and install it correctly.

⚠️ **DANGER**	ⓘ **Before installation, please confirm the position of pipes, tanks, and wiring of vehicle electrical facilities.** Please be careful that do not interfere with pipes tanks, electrical wiring, etc. if you need to screw a hole for installation. ⓘ **Be sure to use the in cluded parts in package or recommended parts.** Other parts may cause accidents, breakdowns, fires ⓘ **If it wraps around the steering wheel,shift lever, brake pedal, etc. it may cause a traffic accident.** ⓘ **When wiring, please make sure that thecord does not get caught in moving partssuch as the car body and seat .** Make sure that the cord does not get caught in movingparts such as the car body and seat . ⓘ **Make sure to insulate the uncovered part of the cord with tape etc.** ⓘ **Before installation, please connect withthe parts of this product and poweron to check whether it works properly** This makes you easier to request a refund or free replacement if you find defect or malfunction of this product.

⚠️ **DANGER**	ⓘ **Keep small parts such as screws and memory cards out of the reach of children or babies.** If babies swallowed these parts, please seek helpfrom a doctor immediately! ⓘ **Please use the power cord with cigarette lighter plug included in the package.** ⓘ **Make sure the power plug is well connected.** If not, it may cause product failure, fire, and electric shock. ⓘ **When pulling out the cigar lighter plug please hold the plastic part and pull it out.** If not,it may cause product failure, fire and electric shock. ⓘ **Please unplug the product if not in use for a long time.** Depending on the vehicle model, the cigar lighter maynot power off even if the engine is turned off. It may cause fire disaster or decrease battery life. ⓘ **Please clear the cigar lighter plug periodically.** If there is dust on it, it may cause product failure. --- 🖐 **Do not insert or remove the cigar lighter plug with wet hands.** This may lead to electric shock or product failure,

DANGER	🚫 **Do not install in places exposed to water or places with high humidity dust, or oily smoke.**
	🚫 **Do not block the ventilation holes or heat sinks of the product.** Heat may he trapped inside the device, causing a fire or malfunction.
	⚠️ **Be careful with the cord** Do not damage the cord, pull it forcibly, bend it, twist it process it, place heavy objects on it, or bring it close to thermal equipment. These behavior may cause disconnection or short circuit and lead to fire, electric shock, or other accident.
	⊗ **Do not remodify or dismantlingthis product.** Do not remodify or dismantling this product without the premission of manufacturer or seller, these behavior may cause product failure and electric shock, fire and other accident.
	🚫 **Do not allow liquid or foreign matter to get inside the machine.** If metal, flammable materials, liquids, etc. enter, it may cause product failure, smoke, fire or electric shock.

About the Micro SD card

⚠️ **DANGER**	ⓘ Use the edge of a small coin (or similar object) to push the memory card into slot if required. Take care that the card has been inserted into slot, a second push inwards will release the memory card.
	ⓘ Do not remove or insert the memory card when the dash cam is turned on.This may damage the memory card.
	ⓘ Periodically reformat the memory card.We recommenc that youre format the memory card every 2-3 weeks.This will wipe any files from the card and set it up afresh for continued use with your dash cam. Of course, you should only 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 contents.
	ⓘ Take care when removing the SD card from the dash cam when it is installed in the vehicle. Due to the card slot mechanism, the card will spring from the slot when released.
	ⓘ To format your memory card before using the dash camThis will make sure that the card is structuredspecifically for your camera.
	ⓘ Press ⚙ to enter into the setting and choose the Storage option to follow the on-screen instructions accordingly.

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.