

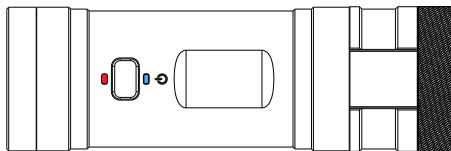
AKEEYO

Bicycle/ Motorcycle recorder and sports camera

AKY-610 PRO

User's manual

Ver 1.01





Thanks for your purchase. please confirm this manual Before use. If you have any problem, Please feel free to contact customer service, we will reply within 24h.

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Safety instructions







For safe and effective use, please use this product properly after reading this manual and fully understanding the meaning.

 Caution	Improper use may result in death or accident.
 Note	Please use it properly according to this manual, otherwise it may cause property damage.





● The meaning of the icon

 Indicates prohibited to do	 Indicates must comply
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Caution

-  When using this product on the road, please observe the regulations of each local government and road traffic laws.
-  Do not operate this product while driving a motorcycle or bicycle. Be sure to park your vehicle in a safe place before operating the product.
-  Do not install it in a place that obstructs the view or interferes with driving. Failure to do so will result in an accident or injury.
-  Do not disassemble or modify this product. Failure to do so may result in electric shock, fire or burns.
-  Do not put metal objects, liquids such as water, flammable substances, chemicals, etc. into this product. Otherwise the circuit may be short-circuited and cause a fire.
-  If liquid leaking from the battery splashes in your eyes or on your skin, please rinse it off with water. After rinsing, please consult an ophthalmologist or dermatologist. In addition, the leaking liquid may remain in this product, please consult customer service.

Caution

-  If this product emits any strange odor or noise, stop using it immediately. Continued use may result in a short circuit and cause a fire.
-  Do not charge it in high temperature or leave it in a hot and humid place. Otherwise, it may cause explosion, fire, electric shock, or host failure.
-  This product can be exposed to water and has a waterproof rating in accordance with IP65, However, do not fully submerge in water.
-  When disposing of this product, please observe the regulations of your local government.

Safety instructions



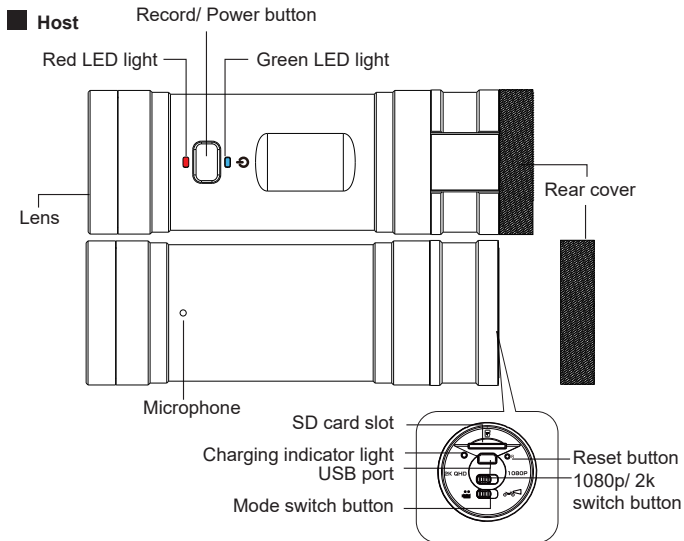
Caution



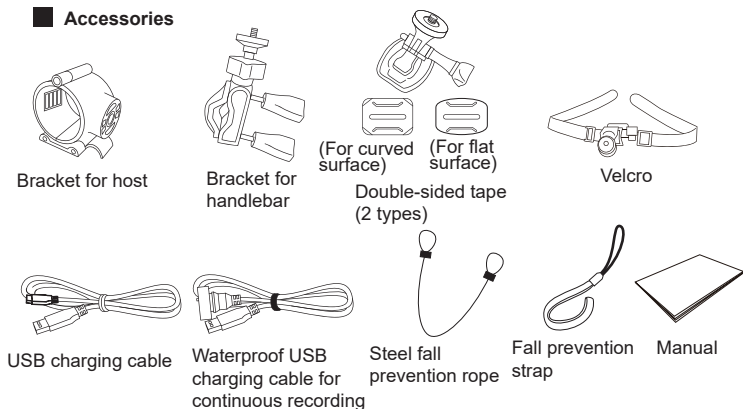
The main body is IP65 waterproof, but please do not use a pressure washer, etc. to clean the body of the recorder.

When using a pressure washer to clean the motorcycle, if water enters the car recorder, it may cause a malfunction and is not covered by the warranty.

Name of each part



Accessories



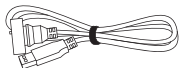
Before use

(1) Charging the battery

- Open the back cover and use the included cable to connect to the socket for charging.
- Connect to an AC adapter (sold separately) or other external power source to charge.

※ The indicator lights up when charging starts. It turns off when it is finished.
※ If the computer current voltage is less than 5V/1A, charging may be slow.
※ If the recorder is left for a long time, the battery may be depleted and the main unit may not start (even if the power cord is connected). In this case, please charge the main unit for 30 minutes or longer, i.e., normal start-up.

- Use a waterproof USB charging cable for continuous recording. Connect the host to the USB slot of motorcycle/ bicycle or power bank to charge while recording.



Waterproof USB charging cable

(2) Format the memory card

For the normal use and recording of this unit, the card must be formatted regularly.

- ※ The memory card is sold separately.
- ※ Note: Formatting the card will erase all data, please backup in advance.
- Connect the card to the computer via a card reader.
- Select the removable device, and select "Format" from the pop-up menu of the right mouse button.
- Select FAT32 as the file system and format it. After completing the above settings, the card will be formatted correctly.

[Notice]

- ※ Please use 8GB to 128GB and Class 10 or higher speed card. If you use an unqualified card, you may not be able to boot and record normally.
- ※ When setting, it cannot exceed the range value. If the value you set exceeds the range value, you may not be able to start the device, and it is not covered by the warranty!

WIFI connection

AKY-610 PRO with built-in Wi-Fi can be connected to a smartphone and use a dedicated player application to perform various operations on the smartphone, such as checking, playing, saving, downloading and deleting recorded videos and photos.

- Download the app



[Car_dvr] App

Please download in the Google Play Store / Apple Store.

- Wi-Fi connection

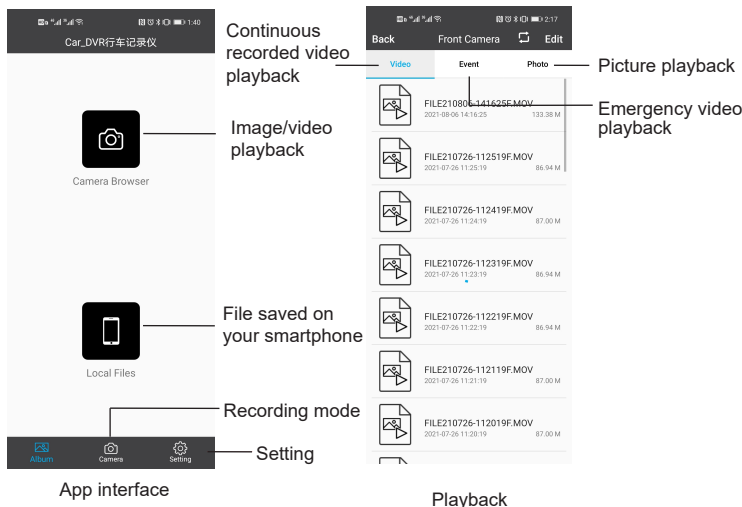
(1) Turn on the motorcycle recorder power (Wi-Fi automatically starts after turning it on), and select the Wi-Fi with the following name in the Wi-Fi list of the smartphone to connect.

WIFI name: WIFI_610Pro_EA12 Password: 1234567890

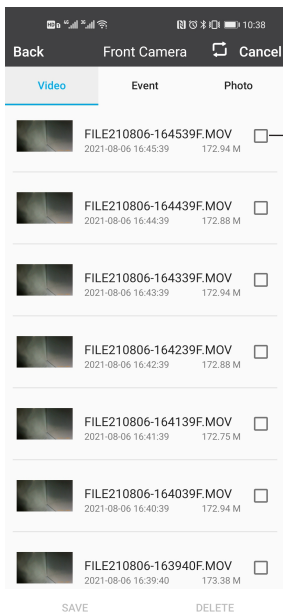
※ The last 4 digits of the WiFi name of each product are random, and the WiFi name of each package is different.

Note: WIFI will only be displayed when the driving recorder is turned on.

(2) Open the [Car_DVR] APP and enter the main interface. Touch the [Camera Browser] button to enter the playback mode.

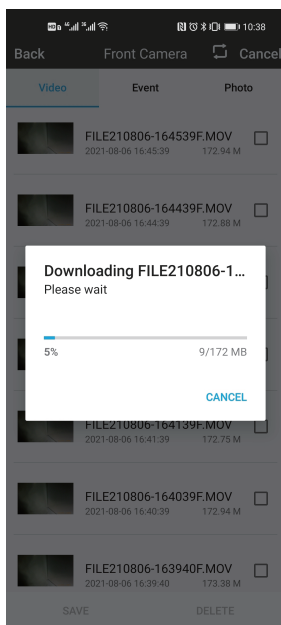


WiFi connection



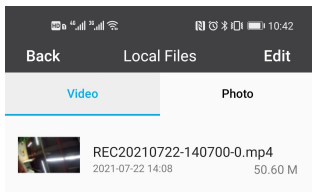
Select

Video Operation Interface



Save to phone

(3) Open the [Car_DVR] app and enter the main interface. Touch the [Local File] button to check the files saved on your phone.

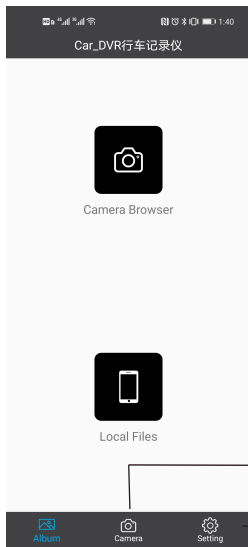


Save videos on your phone

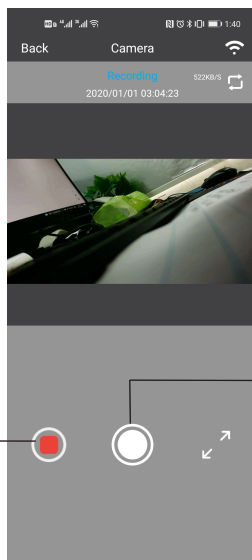
WiFi connection

(4) Open the [Car_DVR] app and enter the main interface.

You can switch to recording mode by touching the [Camera] button.



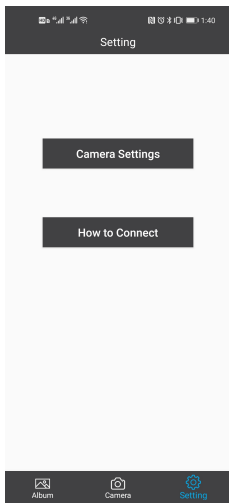
APP interface



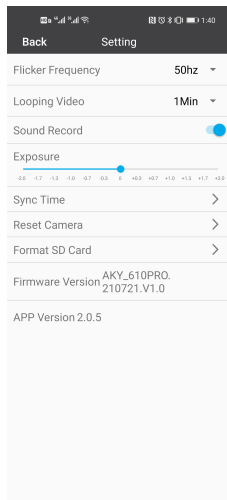
Recording mode

System settings

- After connecting to WiFi, set up the driving recorder through the smartphone app.
 - (1) Open the [Car-DVR] APP and enter the main interface.
 - (2) Touch the [Settings] button to switch to settings. Select "Camera Settings" to display the setting items.



Setting



Setting

Flicker frequency: 60Hz/50Hz (★)

Loop recording time setting: 1 minute (★) / 3 minutes / 5 minutes

Sound recording: On (★) / Off

Exposure correction: 0 (★) (default value recommended)

Time and date synchronization: The date and time of the driving recorder are automatically synchronized with the phone.

Reset: Reset the driving recorder. After reset with APP, the host will restart automatically and WIFI will be turned off. If APP can't reset, please press the reset button of the host with a toothpick, etc. to reset.

Format SD card: Delete all data in SD card.

※The items marked with (★) are the factory default values.

Installation Location

Notice:

- ※ When installing, make sure that the main body lens is not facing the ground.
- ※ To prevent the device from falling, please attach the anti-drop strap to the back cover of the fuselage.

■ Install the mainframe bracket to the mainframe.

The mainframe bracket is divided into three parts: A, B, and C.

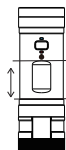
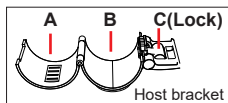
① Install the mainframe bracket in the middle of the mainframe.
(The red line part of picture ①)

※ The lower end of the bracket should be aligned with the step A in the middle of the body.

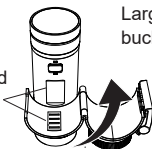
② The plane part of A of the main unit bracket and the plane part of the upper part of the main unit should be completely matched.

③ The locking part of the main frame is fixed by engaging with nails.

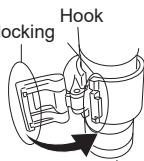
④ Press the small lock to firmly fix the bracket.



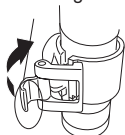
Fully integrated
with the plane
part



Large locking
buckle



Small locking buckle



Step ①

Step ②

Step ③

Step ④

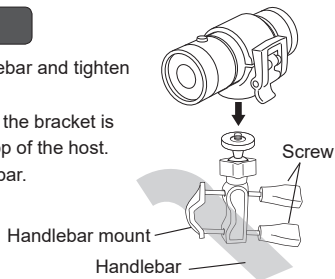
Different installation positions will be equipped with different mainframe brackets.

For handlebar installation

1. Install the handlebar mount on the handlebar and tighten the screws to fix it.

Tighten it evenly so that the plane part of the bracket is completely fit with the plane part of the top of the host.

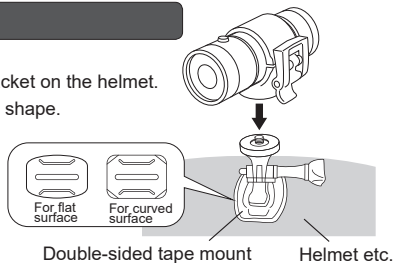
2. Fix the mainframe bracket on the handlebar.



Installation Location

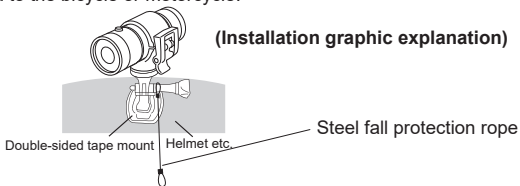
For helmet installation

1. Stick the double-sided adhesive bracket on the helmet.
Choose flat or curved according to the shape.
2. Fix the mainframe bracket to the double-sided tape bracket.



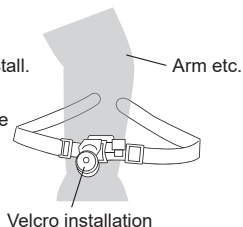
Note:

- ※ To prevent the main unit from falling, please install an anti-fall stopper on the back cover of the main unit.
- ※ The accessory includes a steel fall arrest rope, fix one end to the bracket and the other end to the bicycle or motorcycle.



For arm or other object installation

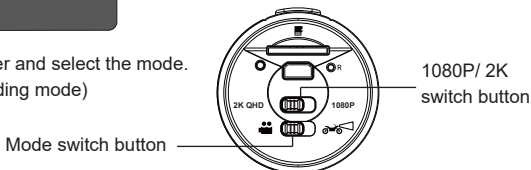
1. Wrap the Velcro bracket around the location you want to install.
 2. Fix the host bracket to the Velcro bracket.
- ※ When installing on your arm, please hold the handle and the device should face forward in a natural posture.



About recording

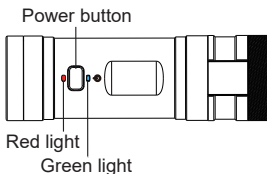
Recording start

1. Remove the back cover and select the mode.
(Image quality and recording mode)



Caution:

※ The switching of recording mode and image quality can only be carried out when the power is turned off. If the power is turned on, it will cause a malfunction.



Power button operation

- Long press for 3 seconds: turn on/off the power
 - ※ Power on: Press and hold the power button for about 3 seconds. After releasing your finger, the red LED will light up, and the power will be turned on after the motor vibrates 3 times.
 - ※ Power off: Press and hold the power button for about 3 seconds. After releasing your finger, the motor vibrates once, the LED light is off, and the power is turned off.
- Short press: start/stop recording
During recording, short press the power button to stop and resume recording.
- Continuous short press twice: switch from continuous recording to emergency recording.

About recording

Two recording modes description

(1) Sports camera mode

① Press and hold the power button for 3 seconds, the host motor vibrates 3 times and the red LED lights up. Turn on the host power.

② Short press the power button, the motor automatically vibrates 1 time, the red and blue LED lights up at the same time. Start recording instantly.

③ Short press the power button 2 times continuously, the blue LED indicator flashes at high speed and starts emergency recording.

After the emergency recording, the blue LED indicator switches from high speed flashing to slow flashing, and automatically switches to continuous recording.

Short press the power button in emergency recording, the red light is on and recording stops. Short press again, the motor will automatically return to continuous recording after vibrating once.

Notice:

※Continuous recording files will not be overwritten automatically. Recording will be stopped automatically when the capacity of the continuous recording folder reaches the maximum. When the red and blue LEDs are on at the same time, it will enter standby mode.

※Emergency recording files cannot be automatically looped.

(2) Driving recorder mode

① Long press the power button for about 3 seconds, the host motor vibrates 3 times, and the red LED light is on.

When the host is powered on, the motor automatically vibrates once, the red LED indicator goes out, and the blue LED indicator flashes slowly. Start recording anytime.

② Press the power button twice continuously, the blue LED indicator flashes at high speed. Start emergency recording.

After the emergency recording is over, the blue LED indicator changes from high-speed flashing to slow flashing, and continuous recording is automatically resumed.

Short press the power button during emergency recording, the red light turns on, and recording stops.

Short press again, the motor vibrates once to return to continuous recording.



Notice:

※ Continuous recording files and emergency recording files can be automatically looped.



About recording

(3) Differences between the two recording modes

• Difference of function operation

	 Action camera mode	 Driving camera mode
Battery powered	No auto-record after power on	Auto-record after power on
Connect power cable	No auto-record after power on	Auto-record after power on
Connect the power cable after stops recording when battery powered	Host status unchanged	Record starts automatically
Connect the power cable when recording with battery power	Host status unchanged	Host status unchanged
Power cable disconnected while recording	Auto Stop Recording, Power-off	Auto Stop Recording, Power-off
Normal (continuous recording) folder capacity has reached the upper limit.	Auto stop recording	Cover old files
Event (emergency recording) folder capacity has reached the upper limit.	Auto stop recording	Cover old files

• LED display status

	 Action camera mode	 Driving camera mode
Host turn off	Green light off, Red light off	Green light off, Red light off
Recording stopping	Green light off, Red light on	Green light off, Red light on
Continuous recording in progress	Red light on, Green light slow flash	Red light off, Green light slow flash
Emergency recording in progress	Red light on, Green light fast flash	Red light off, Green light fast flash
Continuous recording folder reaches maximum capacity	Green light off, Red light on	The file can be auto-cycled, lamp display not change
No SD card inserted at power on / SD card removed at power on	Red light on, Green light fast flash	Red light on, Green light fast flash

※ If you insert or remove the SD card with the power on, the data may be damaged or the machine may malfunction.

Recording stopped

During recording, press the power button briefly to stop recording.

When recording is stopped, press the power button again briefly to resume recording.

About Emergency Recording

Besides continuous recording, emergency recording can also be started manually.

(1) Starting Emergency Recording

During continuous recording, press the power button twice in quick succession to start emergency recording.

During emergency recording, the blue light flashes rapidly.

(2) Stop emergency recording

Automatic stop: After emergency recording is completed, continuous recording will be resumed automatically.

Manual stop: During emergency recording, press the power button once to stop emergency recording, and press it again to start continuous recording.

※ The video files of emergency recording are saved in the [Event] folder of Micro SD card, and will be covered automatically from the old files when the [Event] folder reaches the capacity limit.

(3) Save Emergency Recording

When you start emergency recording, it will start recording according to the set recording time. The emergency recorded video is saved in the [Event] file.

Caution:

- If the emergency video folder reaches the capacity limit, it may not be able to record. Please format the SD card regularly.
- It is recommended that the loop recording time be set to 3 minutes.
- The number of videos stored depends on the situation at the time of recording.
- We cannot guarantee that all emergency recorded video files will be saved.

About pictures

The driving recorder can take photos with a special app when it is connected to a phone via Wi-Fi.

During the recording process, press the photo button to take a still photo.

Open the "Car-DVR" app and enter the main interface.

Touch the "Camera" button to switch recording mode.

Touch the "Photo" button to take a still photo.

※ Please refer to P7 "Wi-Fi Connection" in this manual.

The still pictures taken will be saved in the [Photo] folder of the memory card.

Play back recorded video/ image

Playback on pc

Supported operating systems: Windows7, Windows 8.1, Windows 10

※ Recommended to use Windows Media Player 10 or higher.

(1) Turn off the host power and take out the SD card.

Use a card reader to connect the SD card to the computer.

(2) Find the SD card device on the computer and double-click it.

(3) Three folders appear, "Event", "Normal" and "Photo". Click to play recorded videos and captured photos.

 **Event** — Emergency recording file ※ About 29% of card capacity

 **Normal** — Continuously record files ※ About 70% of card capacity

 **Photo** — Still photo file ※ About 1% of card capacity

Play back recorded video/ image

Playback on Mac

Support OS: Mac osx10.3.6 and above

※ It is recommended to use in QQ Player.

※ Please download QQ Player from APP STORE before playing.

(1) Please turn off the power of the host and take out the SD card.

Use a card reader to connect the SD card to the computer.

(2) The SD card is recognized as a removable device.

(3) Double-click the SD card.

(4) Three folders of "Event", "Normal" and "Photo" appear.

Click on the folder to play recorded videos and photos.

Note: When playing video files, it is recommended to use QQPlayer to open the video files.



Event

Emergency recording file ※ About 29% of card capacity



Normal

Continuously record files ※ About 70% of card capacity



Photo

Still photo file ※ About 1% of card capacity

Factory settings

When the host becomes unstable or stops working, the factory settings can be restored.

(1) After turning on the machine, use a hook or other props to press the reset button.

The host will be forcibly power off.

(2) It may not be reset via the app.

Specifications

Model	AKY 610 PRO
Product Name	Motorcycle/ Bicycle Camera
Pixels	Full HD 1080P/2K
Frame Rate	1080P 55FPS/ 2K 27.5 FPS
Lens	OV4689 4 million pixels
Angle of view	140 degree
Waterproof	IP65 Fully waterproof
Continuous recording	Support
Emergency recording	Support
Micro SD card	SD card 8-128GB (※ Class 10 recommended)
Power Voltage	5V 1A
Battery	Built-in lithium polymer battery (800mAh)
System	Windows 7, Windows 8.1, Windows 10, Mac OSX 10.3.6 or lower

Recording time

Card capacity	1920x1080P	Emergency mode	2560x1440P	Emergency mode
32GB	200 minutes	100 minutes	300 minutes	150 minutes
64GB	400 minutes	200 minutes	600 minutes	300 minutes
128GB	800 minutes	400 minutes	1200 minutes	600 minutes

※ The above values are estimates and are not guaranteed to be accurate.

Recording time is for continuous recording. Recording time may change depending on specific usage conditions.

Note: Performance and features are subject to improvement without notice.

Please download the updated firmware.

Firmware URL: <https://www.akeeyo.co.jp/pages/support>

Troubleshooting

Problem	Solution
Host does not turn on	Please make sure the battery charge is complete. Normally, the battery should be charged for 2 hours.
Cannot take photos	Please press the power button while the red LED is on, and check if the blue LED is flashing.
	Make sure the SD card has enough memory remaining.
	In sports camera mode, recording will stop when the card reaches the capacity limit.
Cannot read SD card	Make sure the SD card is inserted correctly. The SD card may not be formatted, please format it. Please use a genuine SD card of 8GB to 128GB (Class 10 or higher).
Cannot playback video files	Some video playback software cannot be played. Recommend Windows Media Player.
Video files play slowly or not smoothly	Make sure that the host and computer are properly connected.
	Transfer the video file to the computer before playing the video file.
	Please update the video playback software to the latest version. Please use playback software other than Windows Media Player to confirm. (PotPlayer, KMPlayer, etc.)
Video file transfer to computer is slow	Make sure that the usb 2.0 port is connected. Replace the SD card reader.
	Remove unused USB devices.
Computer cannot recognize the device	Make sure the host power is turned on.
	Make sure the SD card is inserted correctly.
	The video files on the SD card may be corrupted. Try reformatting.
Excessive wind noise	Try taping the microphone to the hole in the microphone.
	Change the mounting position so that the radio microphone is not facing the direction of travel.
Device is unstable or not running	Please reset the host.
	Restart the host and replace the SD card.
WIFI is unstable	Please reboot the host. Make sure the WIFI connection is correct. Please make sure that other WIFI is connected during use.

Warranty

■ Disclaimer

- When this product is used on the road, please observe the regulations of each local government and road traffic laws. All legal responsibilities caused by improper use of this product shall be borne by the user, and the manufacturer, importing company and sales company of this product shall not bear all legal responsibilities.
- The warranty only covers the product host. Loss or damage of stored data due to product failure or improper use is not included.
- Any accident or loss of time and money during the use of this product. Our company will not be responsible for any liability.
- Videos and photos taken with this product may not be used without the permission of the right holder, except for personal enjoyment. We are not responsible for the consequences of using, copying, distributing or photographing another person's portrait without my permission.
- This product is not guaranteed to record video in all cases.
- There is no guarantee that the captured video can be used as valid evidence of an accident.
- Please follow the instruction manual for proper installation. In order to comply with the standards of the Road Transport Vehicle Act, please install it in a place where it will not obstruct driving and vision.
- The LED traffic light may flicker and the color may not be recognized. We are not responsible for this.

■ The following cases are not covered by the warranty

- ✘ Using a disassembled or modified battery. (Once the battery is disassembled or modified, it will break or leak).
- ✘ Battery aging. (The battery is a consumable product).
- ✘ Product failure or damage caused by other natural disasters such as fire, earthquake, flood, lightning strike, or pollution, salt damage, sulfur gas damage, etc., abnormal voltage or other external factors.

■ Product Quality Assurance

- The warranty period for the main unit of the product is one year from the date of purchase (30 days from the date of purchase for accessories other than the main unit). However, it does not cover product failure or damage caused by natural disasters or the buyer's responsibility. Please be sure to read "Safe Use" in this instruction manual before use.
- Be sure to inspect the product within 30 days of purchase. If the product is determined to be factory defective within 30 days, please contact SellingPlace Customer Service promptly.
- If the product is found to be defective after 30 days, it will be considered as a repair. In this case, the buyer is responsible for shipping costs. We will cover the return shipping cost after replacement and repair.