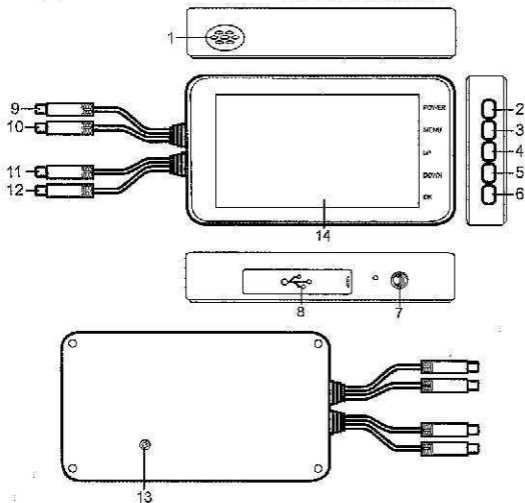


# Instructions for motorcycle recorder black box

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# 1. Appearance button component guide



- |                                  |                     |                        |
|----------------------------------|---------------------|------------------------|
| 1. Loudspeaker                   | 2. Power button     | 3. Menu button         |
| 4. Up button                     | 5. Down button      | 6. Confirmation button |
| 7. Fixed column                  | 8. USB/SD card      | 9. Rear lens           |
| 10. Wire control /GPS (optional) |                     |                        |
| 11. Front lens                   | 12. 5V Power supply |                        |
| 13. Reset                        | 14. Display         |                        |

## 2.Product accessories and checklist

- 1.Recorder host
- 2.Power cord
- 3.Pull-out lens\*2
- 4.Wire control / USB power supply (optional)
- 5.Lens holder / 3M glue \* 2
6. Fixing bracket
- 7.Specification

## 3. Function Description

### 1、 Power button

In standby mode, short press the power button to turn off the screen, press and hold the power button to turn the machine on and off.

### 2、 menu button

1) In the preview mode, short press the M key to jump out of the setting menu, long press the M key to view the playback video files and photos. In the video recording state, long press the M key to enter the current file protection, and the encryption is not deleteable.

### 3、 Up button

1) In standby mode, short press the up button to switch the current lens preview, rear lens preview and dual lens simultaneous preview mode, and the upshift function in the setting or other function state.

### 4、 Down button

menu setting or other setting function is to down key to

select a function.

## 5、 Confirmation button

In the recording mode, short press the OK button to start/pause the recording mode. In the photo mode, short press the OK button to take the photo function mode. In the browse file mode, short press the OK button, the video play/pause mode, in the menu or other settings mode, for the "confirm" button.

## 6、 Status Indicator (No screen)

When the power is on, the red and blue lights are on at the same time, and the blue light is on when recording.

Remark: The machine without screen is mainly controlled by mobile phone APP, some buttons are invalid.

## 4.Menu Function

### 1. Resolution

1) 720P is a video mode with a resolution of 1280\*720.

The recorded video is moderately sharp and the corresponding video storage is moderate.

2) 1080P is a video mode with a resolution of 1920\*1080.

The recorded video has high definition and the corresponding video storage is large.

### 2. Double recording video

Simultaneously record two lenses. (optional)

### 3. Loop video

Video file storage time were 3,5,10 minutes a file option, loop recording.

### 4.Interval recording

Video files are 100,200,500ms time to start recording.

### 5. High dynamic range

More dynamic range and image detail can be provided to

better reflect the visual effects of people's real environment.

, there are "open", "close" optional.

#### 6. Exposure compensation

As noted in the current visual effects, respectively, +3, +2, +1, 0, -1, -2, -3 seven options available.

#### 7. Recording

On / off recording function.

#### 8. Date label

When recording a movie, the video can display the time and date of recording.

#### 9. G-sensor

After the collision of G-sensor, the video can be recorded immediately to prevent it from being overwritten.

#### 10. Parking guarded

If there is a collision after parking, the recorder will start the recording of the video and lock it, can turn the parking monitoring on or off.

#### 11. GPS (Optional)

View the dynamic and driving trajectory in real time through Beidou positioning.

### Setting

#### 1. Screen saver

The screen saver automatically performs the screen-out action in 30 seconds, 1 minute, and 2 minutes.

#### 2. Automatic shutdown

The machine performs automatic shutdown settings in 3, 5, and 10 minutes.

#### 3. Light source frequency

Set for 50HZ/60HZ respectively.

#### 4. Button sound

Switch setting.

## 5. Language settings

The system comes with Simplified Chinese, Traditional Chinese, Japanese, English, Korean, and French.

## 6. Date/Time

This feature can change the machine system time.

## 7. Formatting

Clear all content from the TF card.

## 8. Restore factory settings

This function provides the user with the parameter to restore to the default value setting. If the user misuses, the problem may occur. You can try this function. If the option pops up the dialog box, select "Yes" to restore to the factory default state. Select "No". Do not operate.

## 5. WIFI function (optional)

APP Store DOWN "Road Cam" or "DVRuning2"

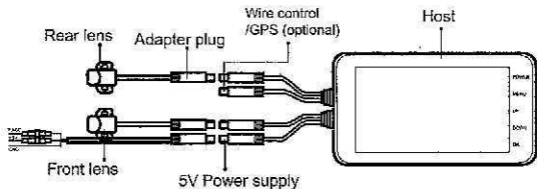
- 1) Scan the code to download the WiFi software of the corresponding model.
- 2) Select the correct WiFi name and enter the password "12345678" connection OK;
- 3) Open the app to connect and browse.

If the browsing fails, please repeat the above WiFi connection.

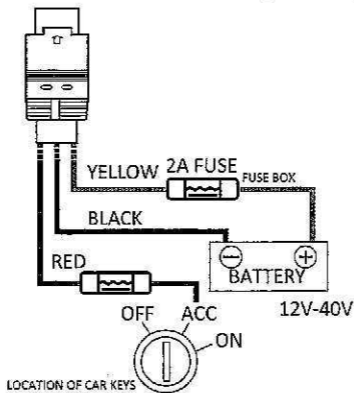
## 6.Product basic specification parameters

Operating system	Windows XP/7/8/10
Chipset	1080P/720P
Sensor	Coms image sensor
Display screen	4-inch full HD LCD display
Lens area	140 degree wide angle
Video player	MOV
Photo format	Jpeg
Video resolution	1920x1080、 1280x720
Voice recording function	Supports separate recording, MP3 audio format
Storage capacity	≤64G
Loop coverage recording	Support
WIFI	Support
Language	Chinese Simplified, Chinese Traditional, English, French, Korean,Japanese
Double-lens video	Support
Video recording automatically	Support
Transmission type	MINI USB 2.0
Parking monitoring	Support
GPRS	Support(Optional)
Working temperature	-20°C~ 55°C
Protection level	Camera IP67, Host IP65
Power supply	DC 12V-40V

## 7. Product installation diagram



The schematic of the ultimate port wiring





## Tips

This product is splash-proof, water-proof, and dust-proof. It has been debugged under the laboratory conditions of our company and its effect reaches IP65 level. Splash proof, water proof, and dust proof functions are not permanently effective. The protective performance may be reduced due to daily wear and tear. Damage caused by immersion in liquid is not covered by the warranty.

## Troubleshooting

Phenomenon	Reason
Can not booting	Make sure the vehicle is in the ignition-on state, manually press the power button to turn it on or the pinhole to reset.
APP can't connect	Please make sure that the SD card is faulty or the host is working properly. You can restart the system to replace other APP tests by replacing the SD card or pressing the [Reset] key.
Recorder cannot record	Please make sure that the SD card is faulty or the system is normal. The system can be restarted by replacing the sd card, sd card formatting or reset.
APP screen is not smooth	Try to keep the number of mobile back-end software as small as possible and bring the phone closer to the recorder. You can close the app and reuse it.
Unclear picture quality	Check the recorder lens or the car windshield for dirt.

## Video storage instructions:

1. Please use a memory card with a capacity of no more than 64GB and a read/write speed of Class 10 and above.
2. To protect important video is not lost, after a traffic accident, Please export important videos to other devices, such as mobile phones or computer backups in a timely manner.
3. The memory card may be damaged or deteriorated after repeated use, so that the video file cannot be saved normally. In this case, please update the memory card in time.
4. Be sure to use formal channels to buy the brand memory card! If the video is lost or damaged due to the use of a poor quality memory card, the company is not responsible.

## Precautions:

1. This product is a driving assistance product for the purpose of recording the external image of the vehicle. It does not have the function of ensuring the safety of the user. During the use of this product, it has nothing to do with the company due to product failure, loss of information, driving accident caused by the operation of this product and any losses caused.
2. This product may not be able to use some functions due to differences in vehicle conditions, driving style, and driving environment. Power failure, out of normal temperature use, collision, memory card damage, etc., may cause the recording to not work properly. This product does not guarantee that all videos can be completely saved under any circumstances. The driving video of the driving video recorded by this product is for reference only.
3. Please install this product correctly, do not block the line of sight of the driver, do not block the airbag, otherwise it will easily cause product failure and personal injury.
4. Keep this product away from magnetic fields and strong magnetic fields may cause damage to the equipment.
5. Do not insert or remove the memory card while the power is on, otherwise the device may be damaged.
6. Do not use this product at temperatures above 55 °C and in low temperatures below -20 °C.
7. If you do not use the device for a long time, the battery power in the device may be exhausted. When you turn it back on, you will need to reset the system time.
8. Do not subject this product to strong shock or vibration to avoid damaging the product, resulting in malfunction or cannot operate.
9. Do not use chemical solvents or detergents to clean the product.
10. Please use this product to the extent permitted by law.