



4X4 ACCESSORIES

DVR REVERSE CAMERA MIRROR

USER MANUAL

Introduction

1. Please format the card before power on, otherwise video errors and freezes will occur during video playback. Please use a high-speed SD card. If a low-speed card is used, problems are likely to occur.
2. You can view the video through the mirror. Or you can connect to the mobile app to view through the mobile phone.
3. Wi-fi account: YV09-xxxxxx, Password: 12345678
4. About touch buttons: When two touch areas are touched at the same time, the touch buttons will malfunction temporarily. Function resumes after 15 seconds.



Note: For the best performance and durability of video recording, we recommend using a C10 U1 level SD card or better.



This manual is only for your reference, please check the actual product as the standard!



Package



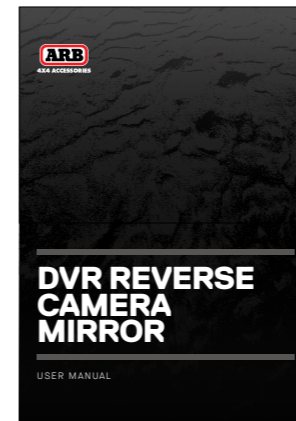
1. Rear-view mirror



2. Wire harness



3. Rear camera



4. User manual



5. Accessories

Please ensure all of the items listed above are included in the package before attempting installation.

Features

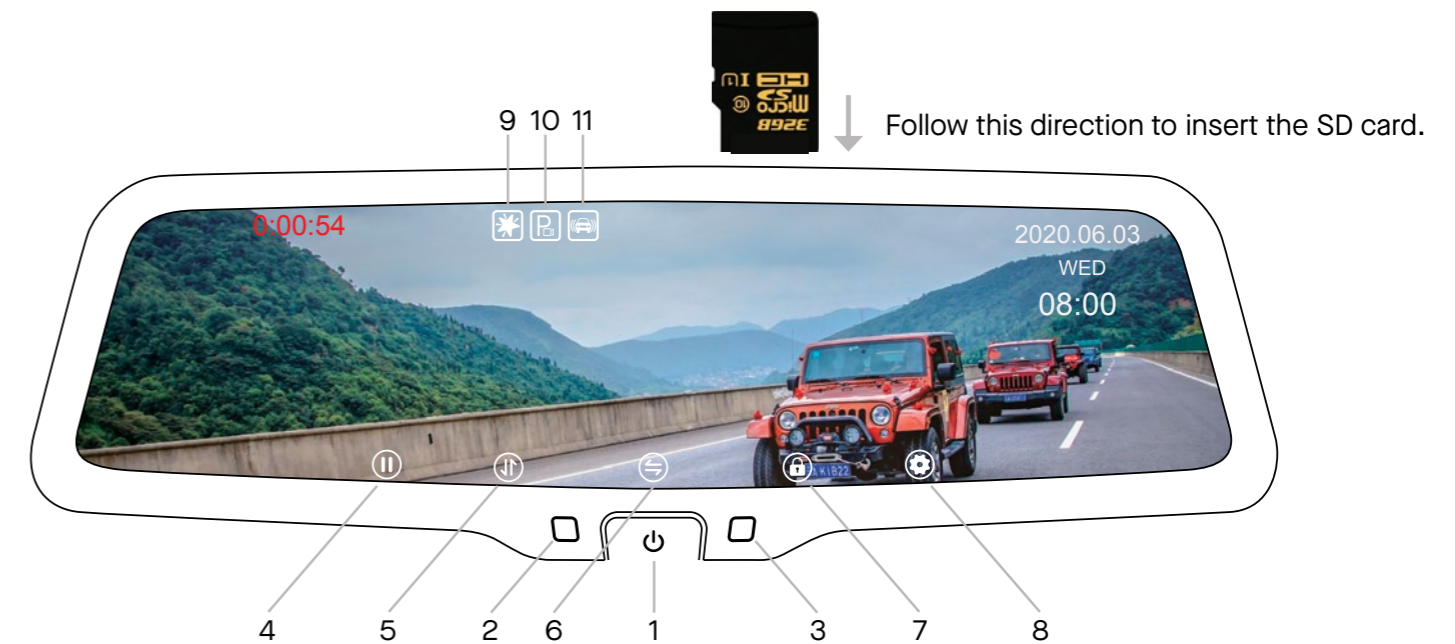
- Front 1080p recording camera
- Rear 1080p recording camera
- 9.66-inch full display screen
- Touchscreen button
- Wi-fi connection
- Parking mode
- Time-lapse video
- Night mode
- LCD power save
- G-sensor
- Supercapacitor
- Real-time view on app
- Waterproof rear camera
- Back-up camera display

Specifications

Flash	DDR3 1GB
Video Resolution	Front 1080p/Rear 1080p
Recording Angle	Front 140°/Rear 120°
Video Format	H.264 & MOV
Display Screen	9.66" MIPI IPS, 1,280×320
Memory	SD card (max 64GB)
Wi-fi	0-10m
Supercapacitor	Support
Supporting Platform	RTK
Operation Temperature	-20°C to -70°C
Storage Temperature	-20°C to -70°C
Working Voltage	10-16V
Languages	English & Traditional Chinese

Basic operating instructions

Note: The touch area of the keys is not on the glass screen, but on the plastic frame below the key icon.



1. Short press to turn on/off the screen; long press to turn off the mirror, then short press to restart

2. Light sensor

3. Indicator



4. Stop recording



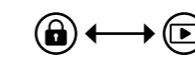
4. Start recording;



5. Short press to adjust the screen display range; long press to take photo



6. Video switch button (available to use after connecting rear camera)



7. Lock the current video when recording; enter the "playback" interface when not recording



8. Short press to enter the "menu setting" interface when not recording



9. Night mode icon



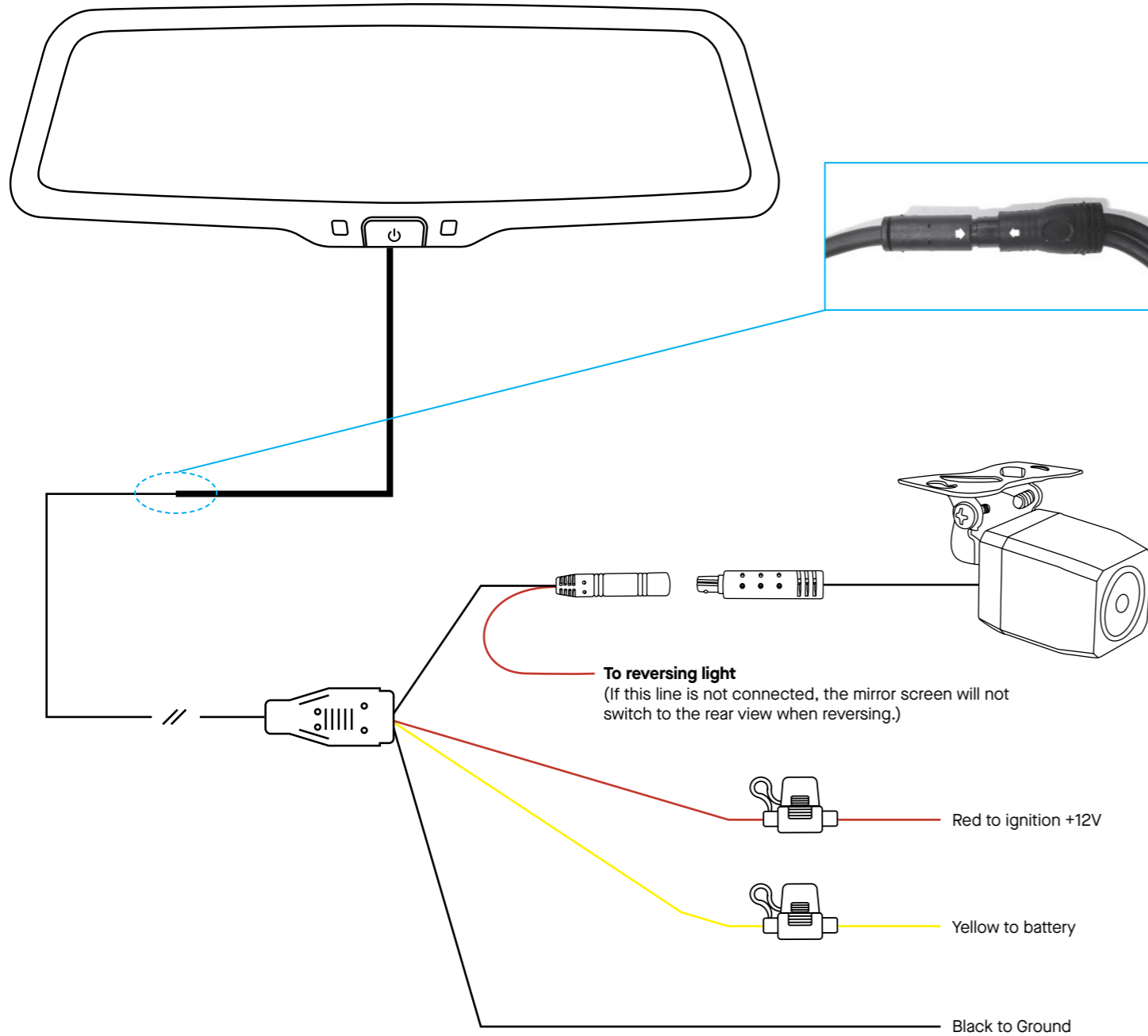
10. Parking monitoring icon



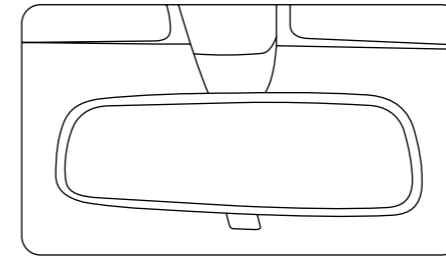
11. G-sensor icon

How to wire

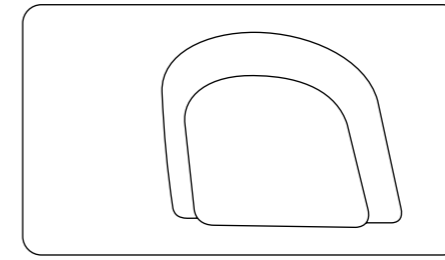
Note: When wiring, please align the two white arrows shown in the picture; otherwise, the wire interface may be damaged.



How to install mirror monitor



Car factory original mirror

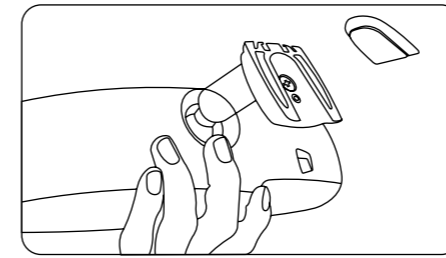


The plate on the windshield

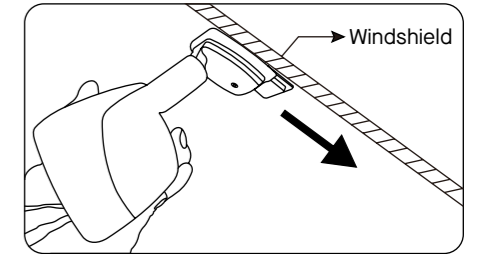
Different cars have different brackets. It depends on your vehicle maker and manufacturer. There are many methods to remove the original rear-view mirror; however, please don't force the mirror off the bracket.

The manufacturer will not be responsible for damage caused to your car by incorrect installation of the mirror.

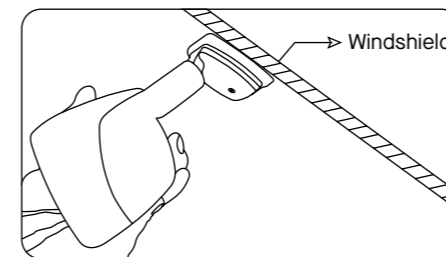
Install mirror monitor on the plate



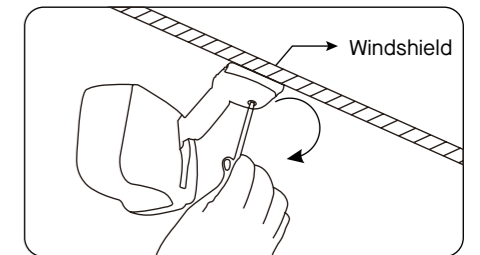
Take down your original mirror.



Install mirror monitor by sliding the connection in the same direction as the angle of the windshield.

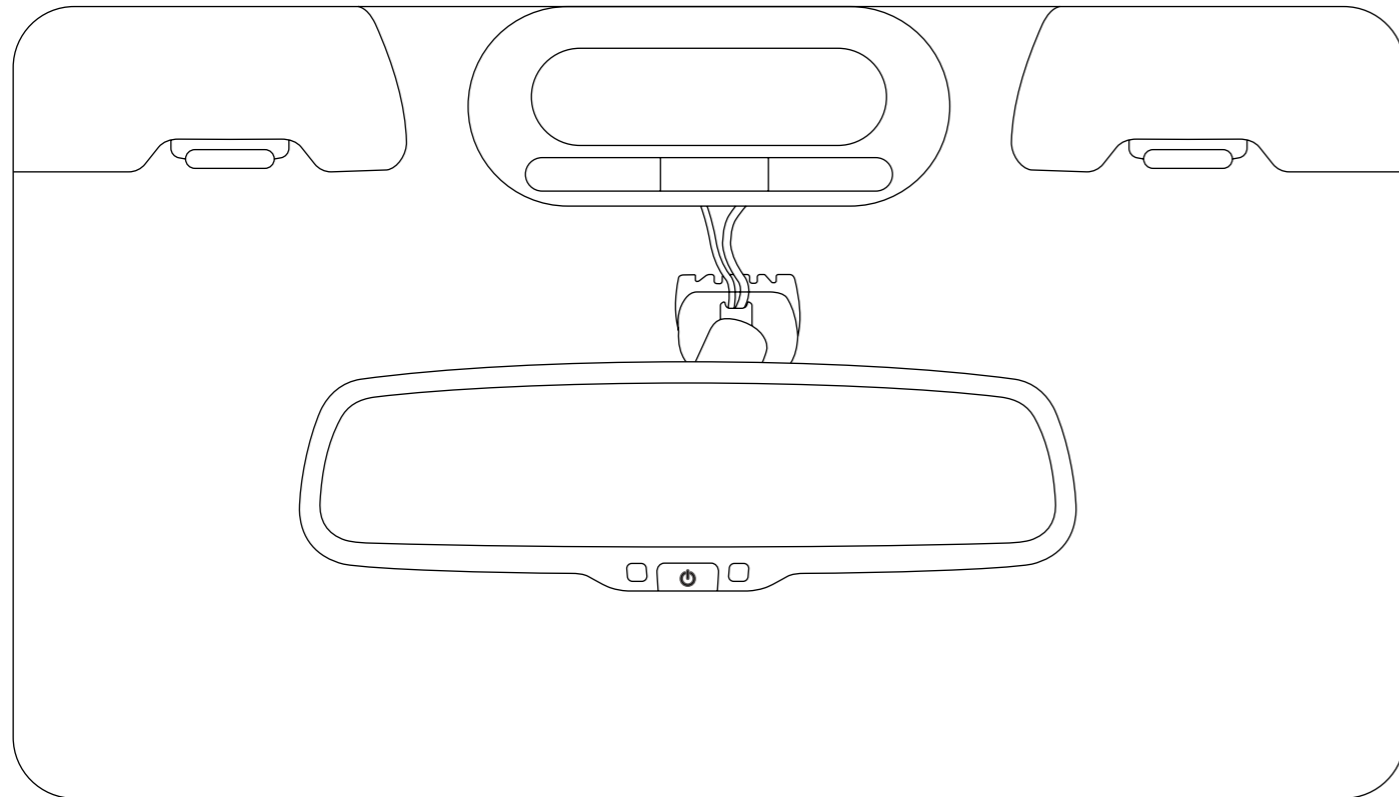


Please make sure the connection is pushed all the way down and is firmly in place.



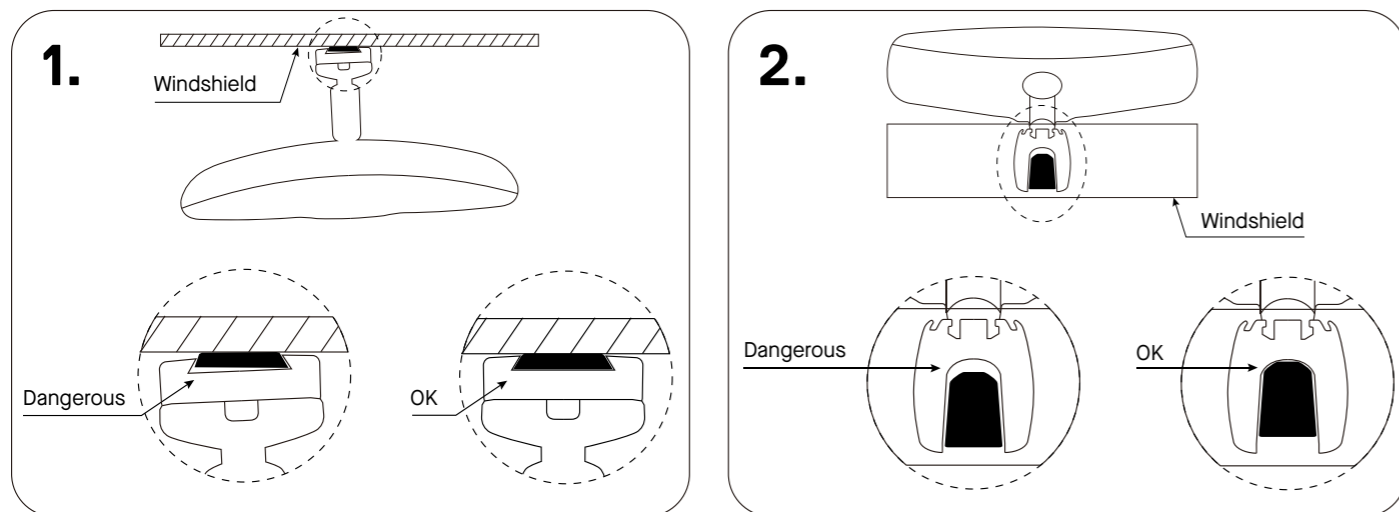
Tighten the screw in the base of the mirror monitor connection to between 0.8 and 1.3 newton-metres.

How to install mirror monitor (cont.)




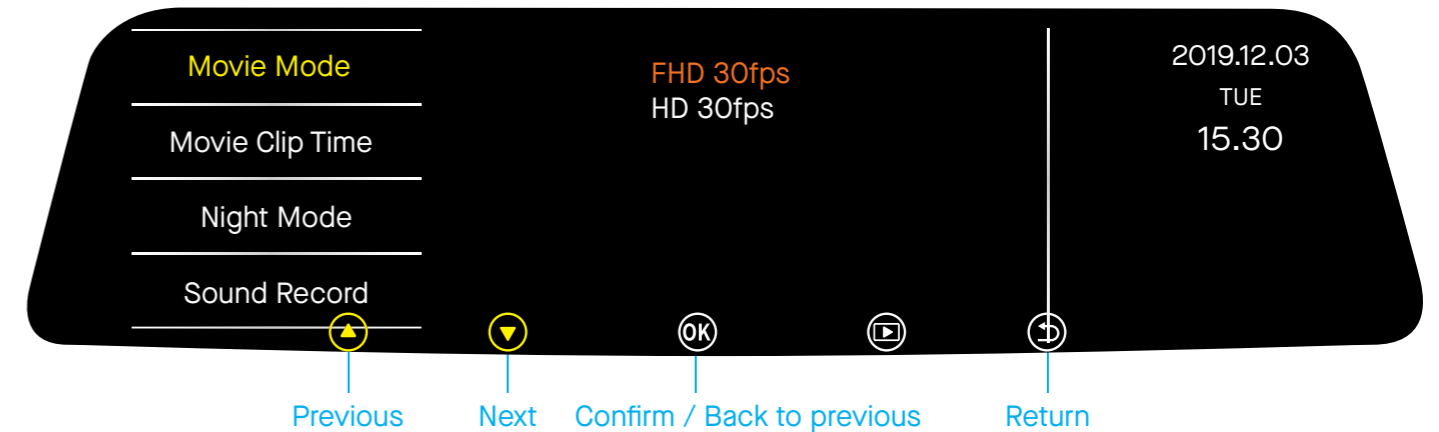
Note: DO NOT force the mount as this may damage the windshield. If you are not sure how to safely remove or reinstall the mirror, seek help from a trained and qualified fitter.

Caution



Menu settings

To access the menu settings, stop recording and tap the  icon in the main interface.



Movie Mode: "Can be set to "FHD 30fps" or "HD 30fps". This setting is only for the front camera; it is not applicable for the rear camera.

Movie Clip Time: Can be set to "1 min", "3 min" or "5 min". The default is "3 min".

Night Mode: Can be set to "On" or "Off". Turn on this function at night to increase the sensitivity of the lens and take brighter and higher quality videos.

Sound Record: Can be set to "On" or "Off". The default is "On".

Menu settings (cont.)

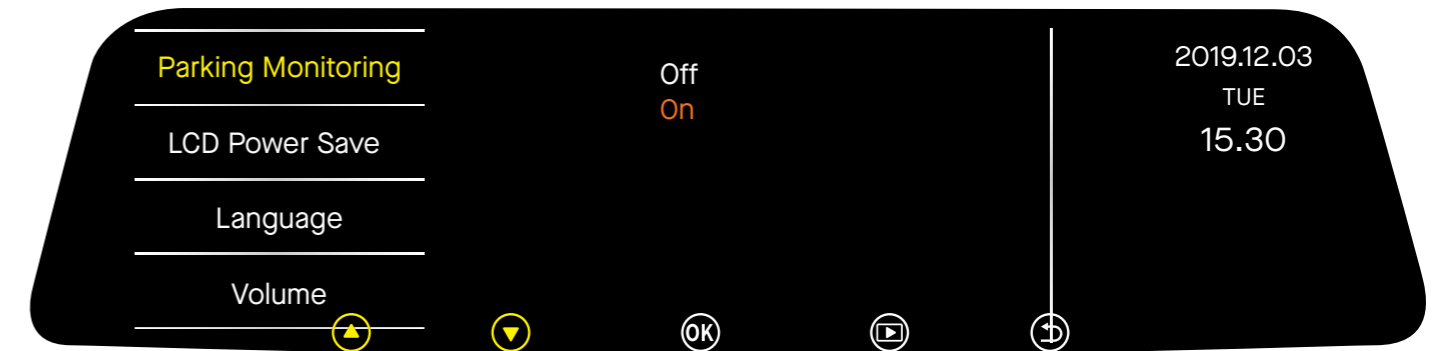


Exposure: Can be set to “-2”, “-1”, “0”, “1” or “2”. The default is “0”. This setting is only for the front camera; it is not applicable for the rear camera.

Video Time Lapse: “Can be set to “Off”, “1fps” or “4fps”

Timelapse Rec Time: Can be set to “2 hours”, “8 hours”, “12 hours” or “24 hours”. The default is “2 hours”. In “Video Time Lapse” option, select “1fps” or “4fps”. When the car is turned off and the machine is in the ACC disconnected state, the machine will prompt you to enter the “Timelapse Rec Time” video. When the voltage reaches 11.3±0.15V setting, the machine will stop recording automatically because if the voltage becomes to low, the may prevent the car engine from starting. When playing a video, it will turn a long video of slow motion into a short video of fast motion, similar to fast forward playback in movies. For example, when recording for one minute, the video is compressed to one second, and the recording for one hour is changed to one minute to play.

Protect Level (G-sensor): Can be set to “Off”, “High”, “Middle” or “Low”. With G-sensor function, the dash camera can automatically save the video as an event file when it detects acceleration or gravity changes greatly. For example, when a car crash happens. The event file will be locked and cannot be overwritten in record cycle mode. It can only be manually deleted one by one or formatted.

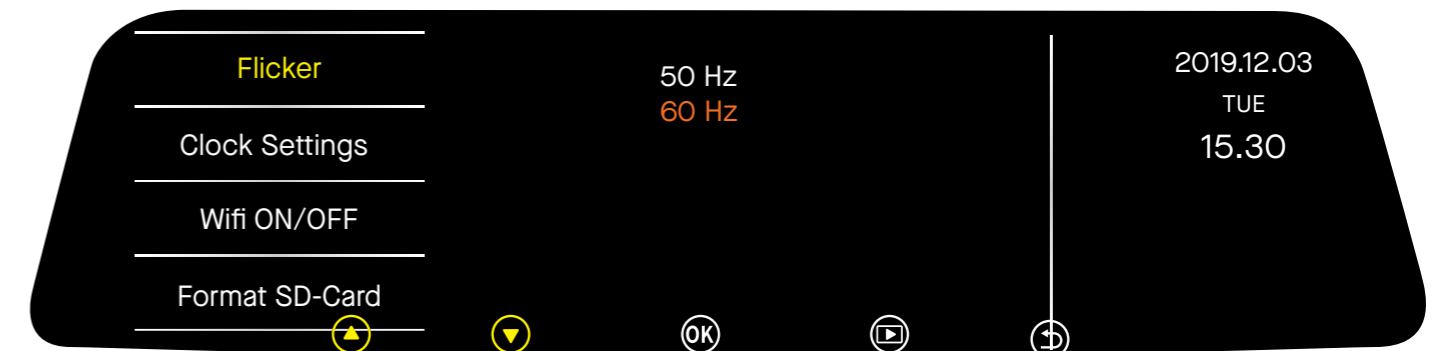


Parking Monitoring: Can be set to “On” or “Off”. When this function is turned on or when the recorder is shaken when it is turned off, it will start the machine to record for 30 seconds and then turn it off.

LCD Power Save: “Can be set to “Off”, “1 min” or “3 min”. After exiting the menu, the mirror will start to count the time once there are no operations. The screen will auto turn off when it reaches the time you set.

Language: There are eight languages including English, Simplified Chinese and Traditional Chinese..

Volume: Can be set to “Off”, “High”, “Middle” or “Low”. The default is “Middle”.



Flicker: Can be set to “50Hz” or “60Hz”. Each country has a different supply frequency for geographical reasons. Standard frequency of the dash camera lens is constant 50Hz. When the supply frequency inconsistent with frequency standard the image on the device will appear joggling phenomenon. At this point, users should adjust the frequency to consistent with the supply frequency.


Clock Settings: Users can adjust the time and date by themselves or connect the mirror to the phone via Wi-fi and the time will be updated automatically.

Wifi ON/OFF: Can be set to “On” or “Off”.

Format SD-Card: If it’s not necessary to save the videos on the card, “the user can delete all videos (both normal video and event files) by formatting.


Reset Setup: Users can reset the device to the original factory settings using this option but please note that all custom settings will be deleted if you choose to do this.

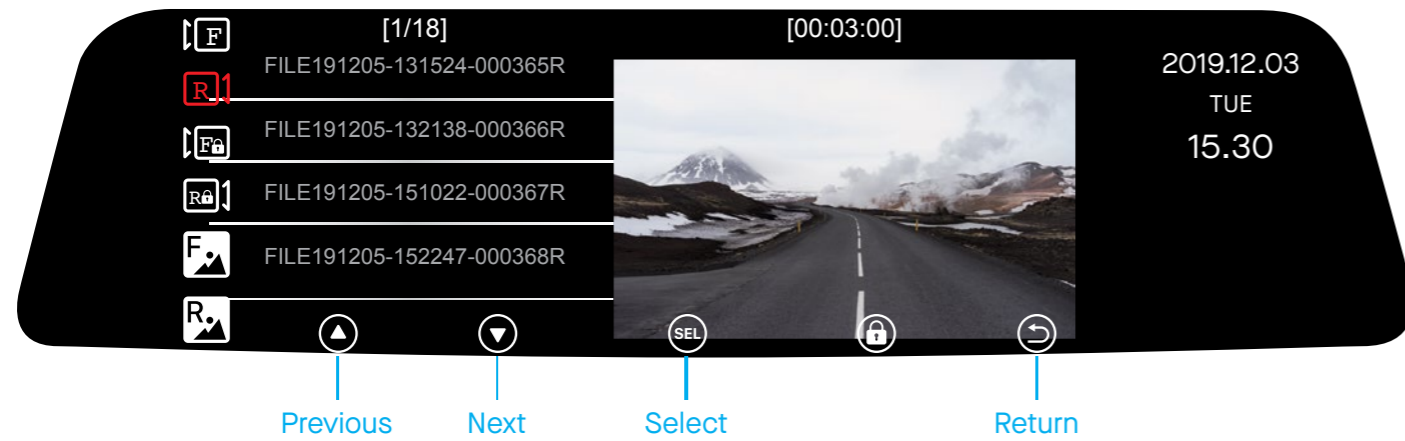
Playback


To access the playback interface, stop recording and tap the  icon in the main interface. There are six sub-menus.

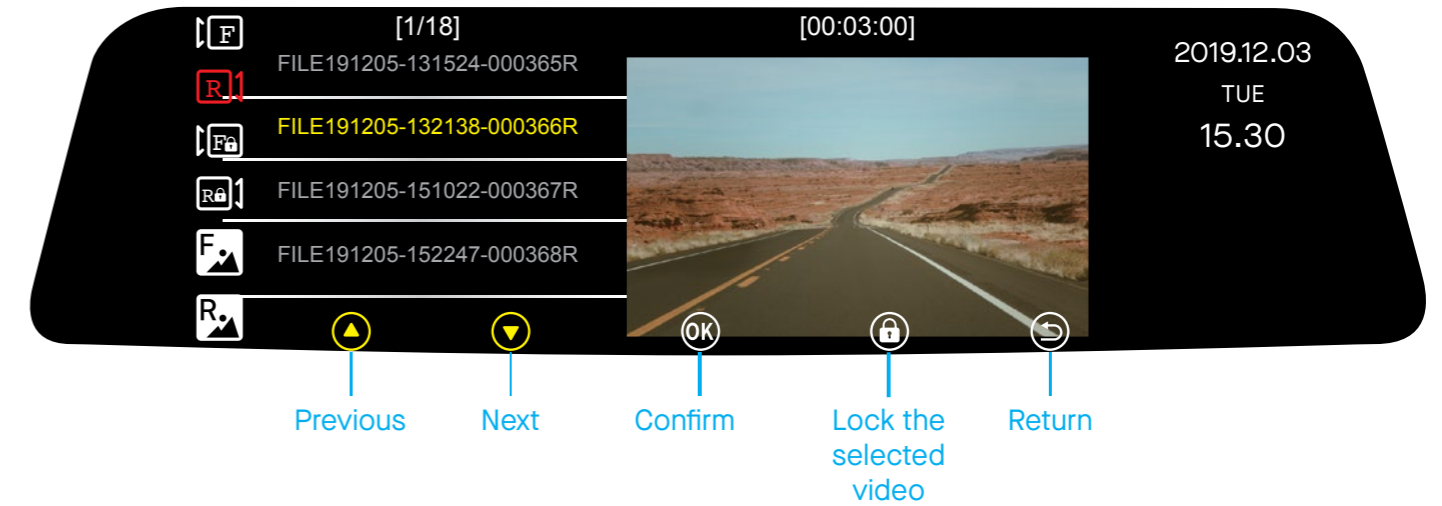
They are:


1. Front-view normal video;
2. Rear-view normal video;
3. Front-view locked video;
4. Rear-view locked video;
5. Front-view picture;
6. Rear-view picture.

Press  to switch to "Rear View Normal Video", as shown in the figure below:



Press  to select, as shown in the figure below:








Press  to select and enter the playback interface, as shown below:



Note: Press and hold  to delete the current video.

Mobile phone app connection and operation

A built-in wi-fi module allows you to connect your mobile phone through an Android or IOS app, please check below for set-up instructions.

1. Download the RoadCam  app.
2. Turn on the rear-view mirror, stop recording, tap the  icon in the main interface to proceed to the menu settings. Find "Wifi ON/OFF" by using the  and  buttons. Press  to choose "On", as shown in Figure 1.
3. The wi-fi account and password are displayed in the lower right corner of the screen, as shown in Figure 2.

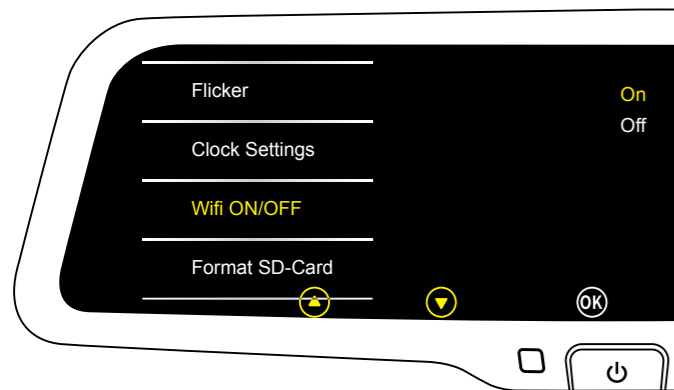


Figure 1

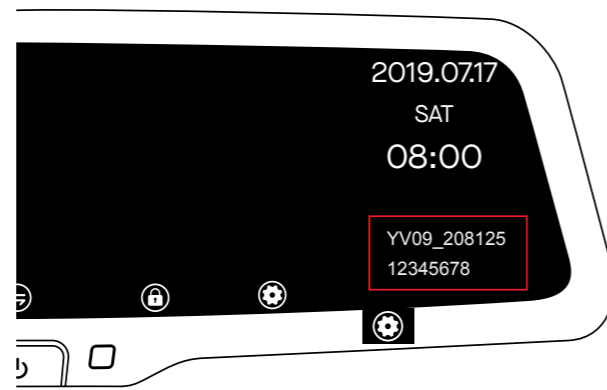


Figure 2

4. Enter your mobile phone interface, turn on wi-fi and select the wi-fi ID, enter the factory setting password (12345678), then connect.

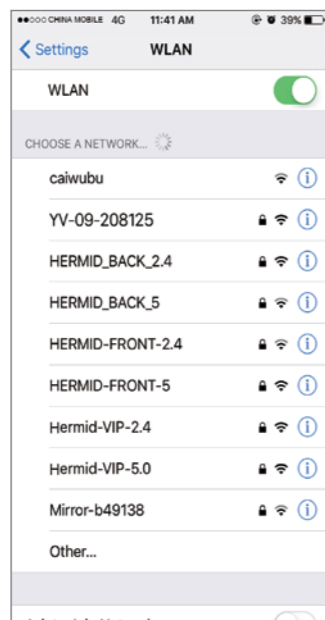



Figure 3

5. Click the  icon; the phone and rear-view mirror are successfully connected.

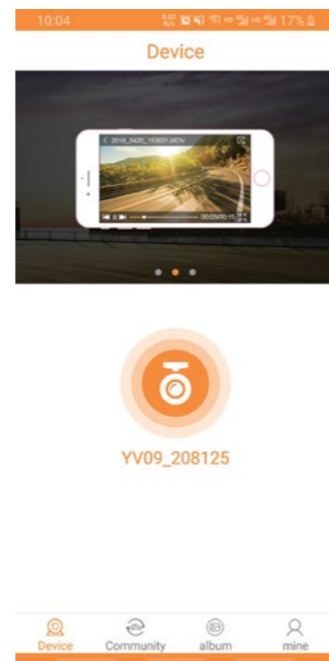
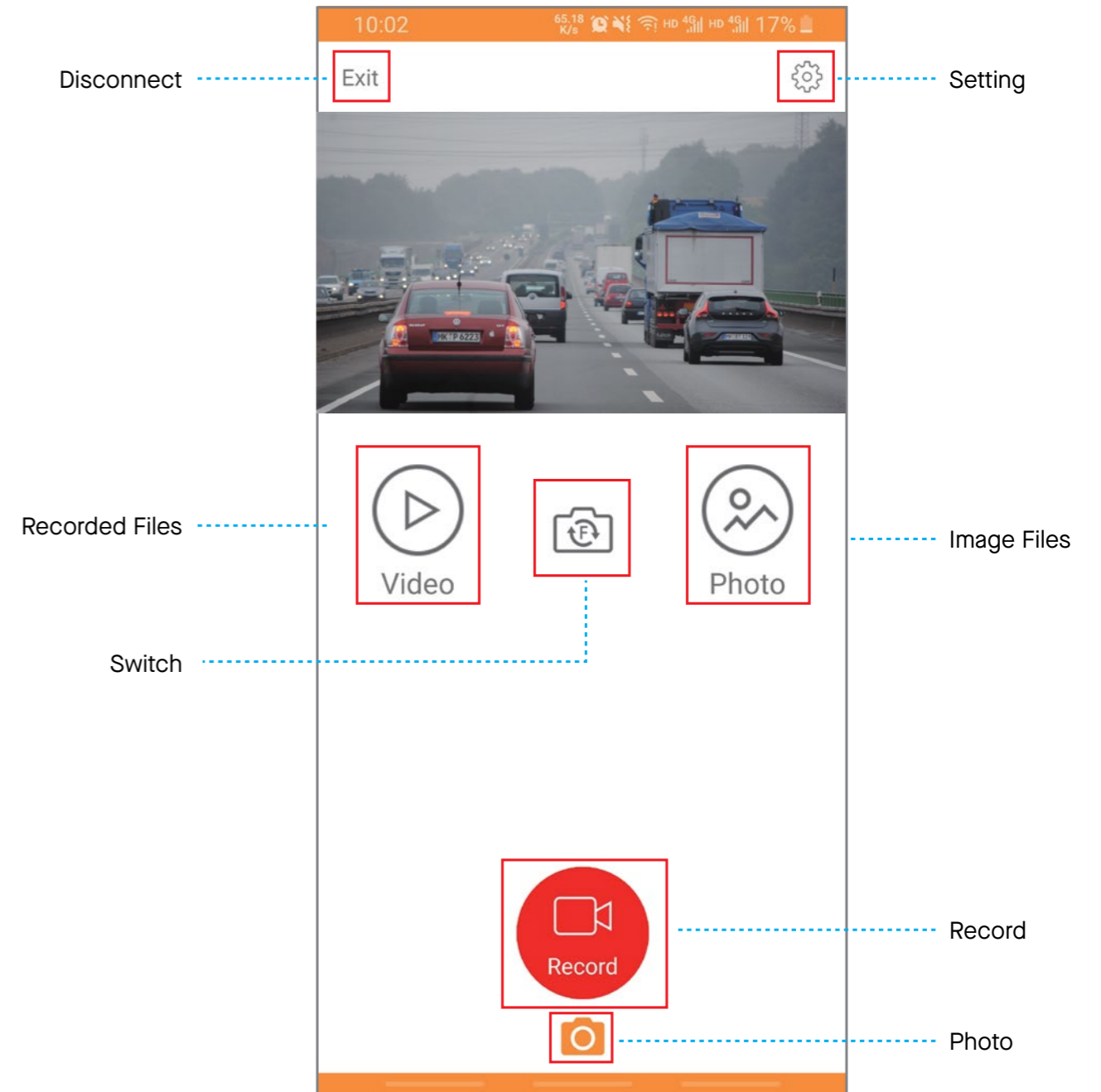



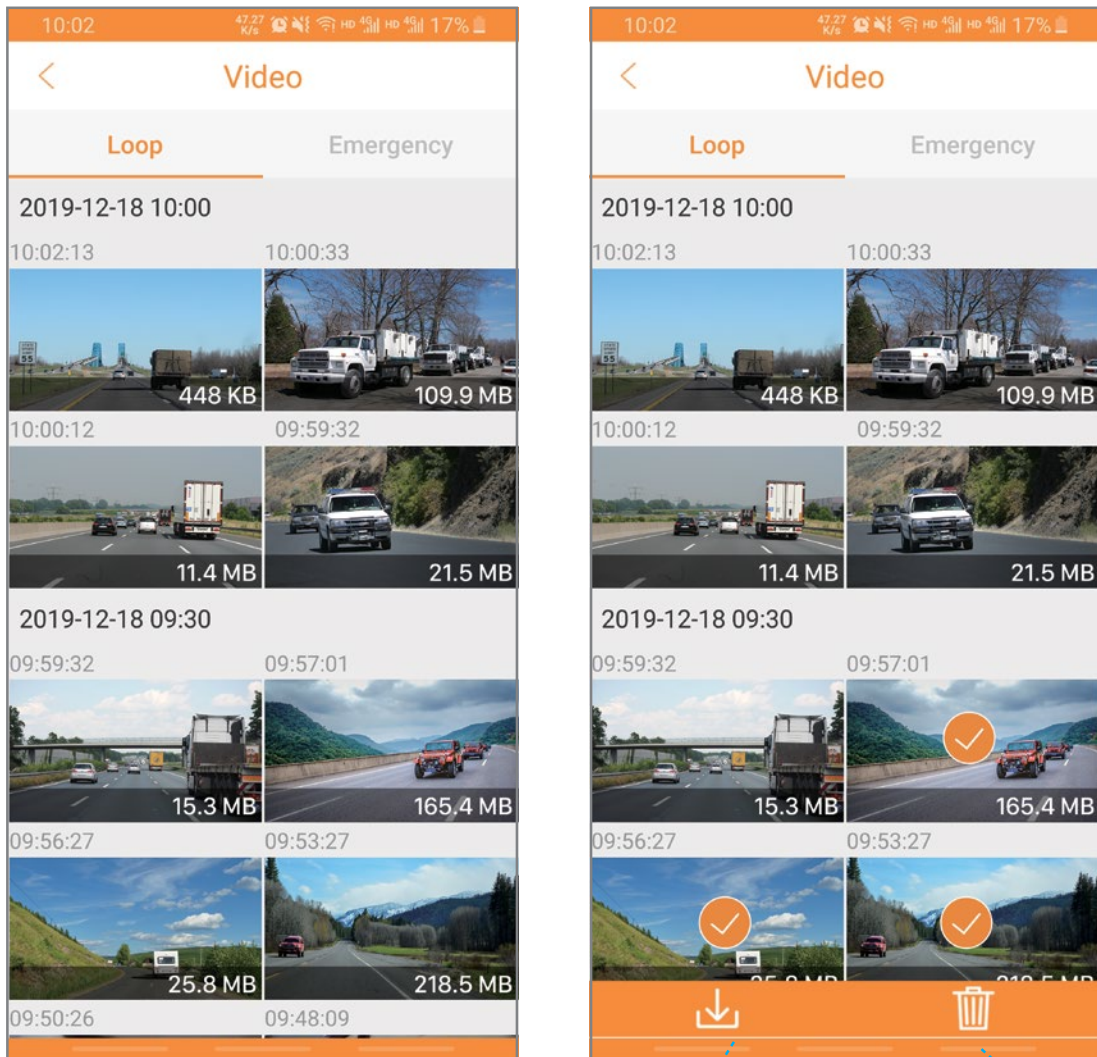
Figure 4

6. Once connected, you can check the recording video and operate accordingly.



Mobile phone app connection and operation (cont.)

Click  to enter the list of recorded videos. Press and hold the file thumbnail to select the file, download the video, delete videos in batches, etc. See the figure below.



Download to local album

Delete