1 Illustration

RESET LED MIC PHOTO POWER

TF CARD
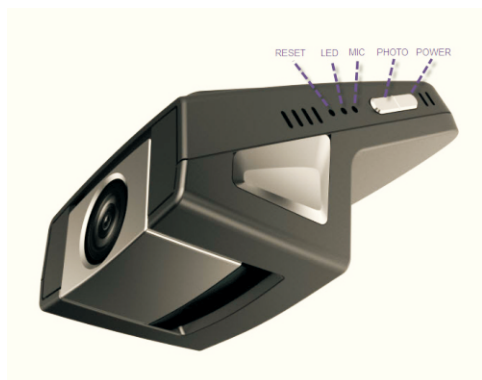
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1.1 Definition for names used
- DVR and camera will be used to refer to the same item in this manual in different situation.
- The client end is used to refer to the smart device that connects to the DVR or camera via WIFI, like smart phone, or pad, including Android and iOS device. Therefore in this manual the client end and smart device refer to the same thing.

1.2 RESET: reset to factory setup by using a thin thimble to long push the button.

1.3 LED: working status indicator
- Boot status: red light keeps on, with boot prompt tone played when finishes, which can be turned on or off in camera setup interface of APP.
- Recording status: red light flashes every 2 seconds.
- Abnormal status: When TF card pops out, broken or can't be written, red light flashes every 0.5 seconds, with warning prompt tone "Dang, dang, …". And when abnormality happens to WIFI, blue light flashes every 0.5 seconds.
- System software upgrading status: red light flashes every 0.25 seconds till boot prompt tone played.

> Attention: when DVR power on, it keeps recording as the default option of DVR.

1.4 MIC : Microphone for DVR which is used to record sound when recording video, which can be turned on or off in the camera setup interface of APP.

1.5 PHOTO : Used for photo taking, but from safety point of view, it is not suggested for the driver to use it when driving.

1.6 POWER: used to turn on or off DVR by long push the button till on or off.

> Attention: During system software upgrading, do keep DVR power on till boot prompt tone played.

1.7 TF CARD: refer to the storage card, used to save the recorded photos and videos, support up to 128GB Class10 TF card.

Attention:
- When the TF card is inserted into DVR for the first time, it is strongly recommended to use formatting function of APP to format the TF card to avoid the conflicts between the existing files probably saved in the card and the system of DVR.
- In order to ensure the stability of files writing and saving, Class 10 MLC TF card is recommended.
- When DVR in working status, do not pull out the TF card, to avoid the abnormal operations to break the files in writing and saving. If need to review the files saved in the card, please do it when DVR power off, or use the APP in the smart devices to review them.

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2 Brief illustration to APP Volvo On Road

2.1 APP software download and install
Android users can search and find "Volvo On Road" on Google Play

¯ Or use the link http://shouji.baidu.com/software/10774399. html, or scan the two-dimension code to the right to go into download and installation process.
- iOS users can search and find "Volvo On Road" on Apple Store to do it.

Scan the two-dimensional code to download and install

2.2 Connect the smart device to DVR
- Android device: click APP button for VOLVO On Road to activate APP-Add camera-Choose "Volvo_M6" in the WIFI hotpot list- Input initial pin code 1234567890-press button Adding, then connection done.
- iOS device: Settings-Wlan-Choose "VOLVO_M6" in the hotpot list- Input initial pin code 1234567890 – Press APP button for Volvo On Road to open the APP, press refresh button in the right upper corner, then connection is done.

> Attention: If the pin code is forgotten after changing, long pressing RESET key for 6 seconds can recover to factory setting with the initial pin code as 1234567890.

2.3 Confidential
To keep confidential, every DVR will have pin code protection for smart device to verify and make connection. Up to 3 smart devices, either Android or iOS, can connect and visit a DVR at the same time via WIFI, of which, one device as the master one, and the other two as the servant ones. The servant ones can only do the real-time viewing or replay videos, remote control photo taking, cutting and downloading videos. For the master one, besides all the above functions, it can setup the DVR via APP and automatically receive photos taken by Photo taking button on DVR, videos recorded by G-sensor triggering.

> Attention: Enter into Settings interface of APP, and in the dialog box: Please confirm whether set as my camera? If choose Confirm, then the smart device in use will be set as the master user. If no one smart device follows the above operation, all the three users will be considered as servant ones and all the functions unique to the master one will be shielded.

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2.4 Real-time viewing, replay and download videos
- Real-time viewing: choose Play button to do real-time viewing after successful connecting and shift to full display when choosing Full display or Landscape mode.
- Replay: in the Full display interface, drag the progress bar to the left, or slip the finger to the left or right in the middle of screen, we can enter into Replay mode and choose the thumbnails or timing points to replay the video we would like to watch.
- Video download: in Replay mode, press "Scissor" button, we can enter into time axis to cut and download video, by dragging progress bar, we can choose any video as long as up to 5 minutes and download to the smart device.

2.5 Photo taking, short video recording and download
- Photo taking and short video recording: press Photo taking button on DVR, we can take photos with DVR directly. And if we turn on "Photo taking to associate video" function in Settings, DVR can record a 10-second video, 5 seconds before and 5 seconds after button is pressed.
- Download: Turn on Automatically download files in photo taking function in Settings interface of APP, the relevant files will be download to the smart device automatically. If turn off this function, we can choose to download these files manually.

2.6 Album management and sharing
In the Album interface of APP, choose photos or videos (long pressing can choose many files at one time) and add them to My favorite or do beautifying, or share them to the social media like WeChat, and QQ etc., or choose to delete then directly.

2.7 Other operations and settings
- Storage management: entering into "Me-APP settings-Storage management", we can set the limit of the preserved storage. When the storage available is below this limit, the loading will stop automatically.
- Camera settings: when smart device visits the camera, entering into "Settings-Camera settings" interface, we can set lots of parameters for camera, including recording definition, ratio of height to width, whether recording sound or not, storage management and other advanced settings like upgrading system software for DVR when upgrading package available.

As for the details for User manual for APP Volvo on Road, we can enter into Help interface to check User manual for APP software.

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3 Attentions for the DVR user

3.1 When the DVR installed in vehicle for the first time, or change the in-vehicle battery, or disconnect and reconnect the power line of the battery, it is strongly recommended to connect the DVR to APP Volvo On Road in the smart device via Wifi to calibrate the clock in DVR. If don't do this, the notice prompt audio will play once DVR power on, which will happen up to 3 times.

3.2 In order to improve user experience, we will keep improve APP and DVR system software and release upgrading package in the APP store when ready.

3.3 The working temperature for DVR ranges between -20℃ and 70℃.

3.4 Do not use irritant chemical liquids to clean the surface of DVR. Slightly wet napkin or soft cloth can be used as recommended.

3.5 Do not try to open the outer structure and self-repair the DVR. If failure happens to DVR, please contact the nearby Volvo 4S dealer.

3.6 As for the common questions and answers, please refer to User Manual for APP Volvo On Road.

4 Specifications

4.1 Core hardware
- Processor: H.264 hardware decoding, 1080P@30fps HD video coding, low power consumption.
- Image chip: OV4689 CMOS sensor, 1/3 inches.
- Lens: 6-set glass, 140°at diagonal line, wide angle: F1.8 aperture.

4.1 Specifications
- Wifi module: built-in Wifi, 2.4GHz.
- Storage: TF card, support up to 128GB, retro loop automatically.
- Video output: wireless video output, support Android or iOS smart device.
- G-Sensor : built-in 3-axle acceleration sensor with file locking function when emergent clash and sensitivity adjustable.
- Pixels when recording: 1920×1080@30fps、1080×X720@30fps, 960×480@30fps as options.
- Pixels when photo taking: 1920×1080.
- Internal memory: 256MB.

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VOLVO

User Manual for VOLVO DVR GEN II

XC90&V40 Special

User manual