

Dear Users:

Thank you for buying this High-resolution car DVR. This product is characterized by advanced technology, unique appearance, strong function and can realize the dual-camera synchronous real-time video recording.

This manual provides the detailed instructions regarding how to use this device and other detailed information, including use, operation, technical specifications, etc.. Before use, please read this manual carefully and be sure to understand it completely. Please keep this manual properly. We hope that this product can meet your demand and we would like to serve you for long time!

Install and remove memory card

1. As per the direction indicated, insert the memory card into the card slot until it is fixed firmly in the slot.
2. When taking the memory card, slightly press the memory card; after it is ejected out, you may take it out.
3. If the memory card is not inserted, the screen will display the information of “Out of Memory”.

Note:

1. Please make sure the direction in which you insert the card is right. Otherwise, the device and the memory card may be damaged.
2. After the memory card is inserted into the device, the device will set the memory card.
3. The documents and data occurring in the use of this device should be backed up. Should any loss, we will not assume any legal responsibilities arising therefrom.
4. For the first use of SD, please use the “Format” tool in the “System Setup” in the device to format the TF card.

Product Characteristics


- Super small portable mini car DVR facilitates the easy picture and video taking, audio recording and free high-definition image capture in various situations.
- 2.0" LTPS TFT LCD;
- Dual-camera mode, 180°rotatable;
- Collision induction;
- 4pcs prime lens with focus range of 12cm~infinite;
- High-definition wide angle camera;
- 4X digital zoom;
- Video specs: H264 (mov)
- Inbuilt with microphone (speaker);
- Supports the function of video while charging;
- Supports high-capacity T-flash (Micro SD) card;
- Night light photo taking;
- Supports moving detection photograph function.
- Facial identification by photo.

The number of shots & time of video recording (only for reference)

TF Card	(720P)	(640P)	1280*960 (1M)	1600*1200 (2M)	2048*1536 (3M)
16G	298 min	530 min	12160(pcs)	11560(pcs)	10960(pcs)
8G	149 min	265 min	6080(pcs)	5810(pcs)	5530(pcs)
4G	74 min	132 min	3040(pcs)	2900(pcs)	2760(pcs)
2G	37 min	66 min	1520(pcs)	1450(pcs)	1380(pcs)
1G	18 min	33 min	760(pcs)	725(pcs)	690(pcs)

Note: The number of shots that can be taken will vary depending on device settings, the subject and the memory card used.


Functions of Keys


 key: Switches on/off the device.

OK key: Confirms.

 UP key: video sound on/off

 DOWN key: IR light on/off

 key: Switches screen display mode

 key: Locks protected file.

MODE key: Switches image/video/sound recording/playback

MENU: menu function key

Reset: Reset

AV OUT: video output port

DC IN: USB charge port

Product Structure



Charge: For the first three uses of car DVR, please charge the battery only after it is completely used up; and keep charging it for 12h every time continuously until the battery can have the maximal efficiency.

This device is inbuilt with rechargeable lithium battery. For the first use, please charge it in any of the following manners:






- 1) Connect it to PC with USB data cable for charging.
- 2) Charge it with a charger by connecting it with the charger base with a USB data cable and then inserting the charger into the base.

Note:

1. When the battery is in low power status, the car DVR will directly enter the protected status and thus cannot be switched on. In such case, please charge it.
2. The blue lamp ON indicates being charged while the blue lamp OFF indicates the battery is full.



Use Directions:

● Power on/off and Mode Switching



1. Press the  Key for 3s to power on the device.
2. After power-on, the device will be defaulted in the video mode, press the OK key to start recording; after completion, press the OK key again to pause and automatically save the video file. In case of emergency during video recording, to protect the file, you may press the  key to lock and save it into the LOCK folder.
3. To switch the mode, in pause state, press the MODE key to enter the image mode, again to the sound recording mode, again to the playback mode, and again to back to the video mode.
4. Press the  key to switch the display mode of the screen.
5. Press the “” key to switch to full screen.
6. In the pause state, press the  key for 3s to power off the device.

● Menu Setup

I. Video Setup/System setup

Press the POWER ON/OFF key to switch the device on; after that, start video recording and press the OK key to stop; in video mode, press the MENU key to enter the menu setup mode; press the “” key to switch the following options: 720P and (VGA) and press the OK key to confirm. Press the “” key to switch to the subitem to set video duration as 1min, 2min, 5min and off (meaning the side of the video file).

Settings:

1. White balance: auto, sunny, fluorescent, cloudy and incandescent
2. Explosion: -3, -2, -1, 0, 1, 2, 3.
3. Color: None, single-color, negative, classical, light blue.
4. Motion detection: on/off.
5. Time watermark: on/off (meaning whether the file is marked with time).
6. Audio: on/off (with the “” key).
7. Switch-on video: on/off (meaning whether video recording starts after switch-on).
8. Language: Simplified Chinese, Traditional Chinese, English, German, Japanese, Portuguese, French, Korean, Italian and Russian.
9. Frequency: 50Hz, 60Hz.
10. Fill lamp: on/off (with the  key).
11. Switch-off time: 1min, 3min, 5min and off.
12. Key tone: on/off.



13. Date setup: Hour/Minute/Second, Month/Day/Year.

14. Format: OK/Cancel.

15. Restore factory settings: OK/Cancel.

After selecting the desired settings, press the OK key to confirm and complete the setup, press the MENU to exit.

II. Photos Setup

Press the  key to power on the device. In the video mode, press the MODE key to enter the picture mode, choose the MENU key to enter the menu setup mode and press the  key to choose the desired item.

a. Photos Size: 1M, 2M, 3M.

b. System setup

After select the desired settings, press the OK key to confirm and complete the setup, press the MENU to exit.

III. Functional Operation

● Power-on/off and Cyclic Video record

1. After the car DVR completes power-on procedure, it will enter the video record mode and there will be a black video symbol on the left upper corner, indicating the device has entered the standby state. Press the video OK key to start; during videoing process, if the device is not controlled manually, it will save one video file every 1min automatically; when the card is full of video files, the first video file will be deleted automatically and the device will continue working. This is the cyclic video function of this device.

● Cyclic Video while Charging

After the car DVR is connected with the charger and powers on automatically, it will enter the video record mode and automatically start videoing and have one video file every 1 minute. When the card is full of video files, the first video file will be deleted automatically and the device will continue working, achieving the function of cyclic video record. To stop, press the OK key.

Note:

1. If this device is connected to PC and charger but it cannot have the function of video record while charging, please power it off and reconnect with the charger.
2. If you do not want the cyclic video record function, you may choose “Activate” and “Inactivate” on the “Cyclic Video Record” in the video menu; “Activate” means activating the cyclic video record function and recording one video file every 1minute.
3. Whether with car charger or common charger, you may have the function of videoing while charging.
4. When the car charger is used, after the car is started, the car DVR will automatically switch on and start to take videos automatically. When the car has collision, this device will automatically save one file in the LOCK folder; after the car stops, the car DVR will automatically save the file and continue recording 15s before automatic switch-off.
5. You may set the cyclic video time as 1min, 2min or 5min.




● Photos Mode

1. After the car DVR completes the power-on procedure, press the MODE key to select the picture mode, then there will be a black symbol on the left upper corner of the screen,

indicating the device has entered the picture mode.

2. Press the OK key, then the device will have a “click” sound, indicating the work has been done.


● Playback Mode

After the car DVR completes the switch-on program, press the MODE key twice to enter the playback mode with the play icon displayed on the left upper corner. To play the video file, press the “” key to choose it up and down; after that, press the OK key to play it, press the OK key to pause or continue, press the “” key to adjust FF and FB, press the MENU key to enter the box to delete files, press the “” to choose the file to be deleted, press the “OK” key to confirm; when “OK/Cancel” occurs, press the “OK” key to delete the file.

● TV Out

Insert the black port of the TV output cable into the TV output port of this device and connect the other end to a TV set, then you may realize TV output. In such case, in the playback mode, you can choose the desired file to be output and share with your friends or family.

● PC Camera Mode

In the power-on/off state, connect the device with PC with USB data cable, then the screen will display the U disc mode for “Memory”, the network camera mode for “Camera” and possible continuous videoing for “Video”. Press the  key to select and then the OK key to confirm.

● Product Specs

Sensing element	COMS wafer
Lens	Wide angle, 120°
Focus range	12cm~infinite
Dual cameras	180°rotatable
Screen	2.0” LTPS TFT LCD
Picture	1M,2M,3M
Video format	mov (H264)
Video	720P(30 frames/s);VGA(30 frames/s)
Zoom	4 x Digital zoom
Memory	External: T-flash (Micro SD) (max. 32G)
Shutter	Electronic
Shutter speed	1/2~1/1,000s
Connector	USB2.0 , DC charging
Battery	400mAh
Collision induction	In case of collision, the machine will automatically save the file in the LOCK folder.
USB	USB2.0 high-speed transmission
Dimensions/Weight	135*52*24
Working temperature/humidity	0~40°C / 10%~80%

● **Troubleshooting**

This device cannot take pictures, videos.

Please change picture or video resolution or replace the memory card with one with sufficient space, and check if the memory card is inserted properly.

The picture or video is unclear.

Mop the part of the lens penetrable to light with soft cloth and reuse it.

Tips for operation:

- If misoperation causes dead device, you may cut off the external power supply and the internal battery to reset the power supply and then restart the device.