DCDUAL
USER MANUAL

This product uses a high performance chip, provides the high definition video, dynamic images seamless. Support FHD1296P real full HD video. Please read this manual carefully before using. We hope that our products can meet your needs and provide a long-term service to you.

1. The appearance and keys function description

1. USB interface	8. Menu key
2. Rear camera interface	9. Reset hole
3. 4.0 Inch display	10. White light lamp
4. Mode key	11. Front camera
5. UP key	12. Speakers
6. OK / Power key	13. TF card slot
7. Down turn key	14. Microphone

1. Power key

Function 1：Switch function

1. In the off state, press the power /OK button and hold for 3 seconds for the machine to start working automatically.

2. In the off state, press the power / OK button and hold for 3 seconds, the unit automatically shuts down and keep video files and user settings switch.

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2. MODE key

Function 1：Mode key

Press OK to pause the video recording, short press the Mode key, the camera photograph/playback/video can be switched with each other. In camera mode, press OK to take photo. In playback mode, short press Menu to delete or protect the file, press UP and Down to select the video/ photo for playback, short press OK to playback video. In video mode, press OK to start recording.

Function 2：Emergency locking function

When recording, if you want to protect the current video from being covered, short press mode key to start emergency locking function, then on the top of the screen, will appear a lock file icon which indicates that the current video is saved as a special file that cannot be recycled or covered by another video.

3. Up Key

Function 1：Page Up

Press to use the scroll function in the menu settings and playback modes.

Function 2：Camera switching function

When the reversing camera is connected to the dash cam, dual cameras display will automatically show on the screen. Under recording mode, short press 【Up】 button to switch between 4 types of display mode: Front camera only, Rear camera only, Picture in picture, split screen display

Function 3：Zoom In

Under camera mode, short press the Up button for the lens to zoom in.

Function 4：Rewind

In recovery mode, press the up key to rewind

4. OK key

Function 1：Enable / Disable recording function

In the video mode, press the Ok key to start recording and short press the Ok key again to stop recording.

Function 2：Take photo

In camera mode, press the Ok key once to take a picture

Function 3：File playback

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In the file explorer mode, press the Ok key to play video

Function 4：Confirm

Press OK to pause the video recording, press the Menu key to enter the menu mode, press the up/down keys to navigate, press the Ok key to determine

5. Down key

Function 1：Page down function

In the menu settings and playback mode for the next page function

Function 2：Close Recording

In the video mode, press [Down] key to turn off the audio recording function, the screen above the microphone icon becomes ban, indicating it had closed the audio recording function. Press again to turn on the audio recording. The audio recording icon will be displayed.

Function 3：Fast forward

In Playback mode, press [Down] key to fast forward

6. MENU key

Function 1：Video menu

Press OK to pause the video recording, press the [Menu key] to enter the main menu function setting table. Press the [up/down] key to select the option to be set. Press [Enter] to confirm. After setting, press the Menu key until you exit the menu setup function. (Menu setting methods are the same as in the video mode, camera mode and playback mode)

Function 2：Open Led light

Long Press [Menu key] to turn on Led light, long-press [Menu key] to turn off Led light again

2. Installation Guide

1. Turn off your vehicle engine.

2. Insert the TF card into the recorder slot.

[Note] Please use the high-speed TF card (Class10 above), capacity of not less than 8G. TF card can support up to 32GB.

3. The recorder is fixed to the front windshield of the car.

4. The car charger into the car cigarette lighter.

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5. Extension cable charging the recorder's USB connector and car charger is connected.

[Note] Reduces charging extension cord wiring can be laid along the edge of the windshield.
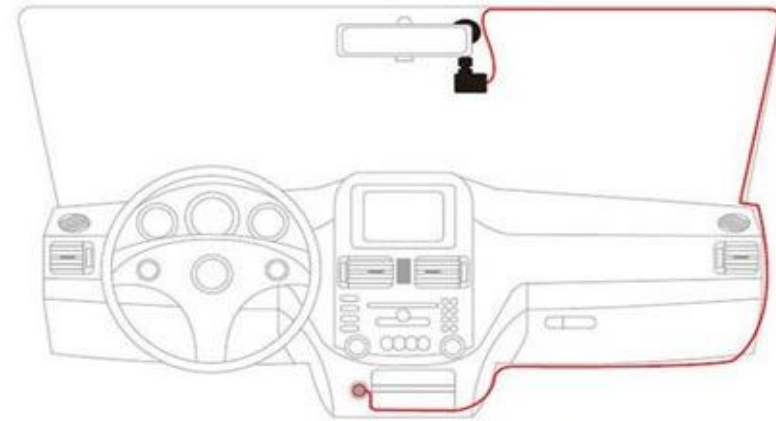
6. The rear camera is installed in the rear of the vehicle. Pay attention to the direction of installation. Wiring can be laid along the vehicle roof. After the installation is complete you will plug into the recorder rear camera interface.

7. Adjust the lens position to ensure that the lens levels with the ground.

8. Start the engine and check if the machine has been installed correctly.

[Note] When the machine is properly installed, the system indicator lights will work; the machine starts to enter the recording state and the recording indicator light flashes. Remember to check if the display screen is normal. If not, please contact us.

Installation of wiring diagram suggested below.

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Reversing camera installation

1. Connect the reversing camera to the car number plate and adjust the angle of the lens.
2. Connect the red wire to the positive of the reversing light (the reversing image will show on the screen automatically when the car is on reverse).

3. Connect the black wire to the negative of the reversing light.
4. Connect the video cable to the "Reversing camera input" of the dash cam (this will feed the video image from the camera to the dash cam, and also provide power to the camera when the car is on forward gear).

5. In the reverse image state, use the [Up] / [Down] keys to adjust the position of the reference line. After that, the adjustment will be saved.

3. Features

1. Use automatic recording function

Start the car engine. The recorder automatically starts to open the recording function, the charge indicator lights and video light is blinking. After switching off the engine, the recorder automatically saves the contents of the recorded video and shut down. Recorded video segment is stored in the TF card. When the memory is full, the recorder will overwrite the earlier recorded image.

Note:

a. Recording time cycle can be selected in the menu settings ranges from 1 minute / 3 minutes / 5 minutes / OFF four cycles.

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b. Front, rear camera and video camera are recorded separately to the "MOVIE" and "PHOTO" folder.

2. Use manual recording functions

Press the [OK] key, the recorder automatically starts. Video recording indicator lights up and blinks. To shut down the power button press [OK] for 3 seconds, the recorder will automatically save the record again and shut down.

3. Take photo function

Press OK to pause the video recording, short press the [Mode] button to enter the camera mode. The upper left corner of the display is converted to a camera. Press [OK] to take pictures. To switch back to recording mode, press the [Mode] key twice.

4. Motion detection function

Press OK to pause the video recording, press [MENU] key to enter menu selection mode to turn on motion detection. When the lens senses a moving object, the state of the machine will change into camera and when the lens does not detect any moving objects for 5 seconds, the system will stop recording. To exit the motion detection mode, long press on the turn button for 3 seconds to exit the motion detection mode.

5. G-sensor function

The unit features an impact sensor (G-sensor). If a serious vehicle collision, the recorder will lock the first 10 seconds, and 20 seconds after the accident occurred and save it as a special image, the monitor will display a lock icon in the lower left. Locked images will not be overwritten.

【prompt】

a. Lock the video file name at the beginning of ZW, general log files beginning with AW.

b. G sensor can be turned on under Menu [G-sensor], you can select the desired G sensor sensitivity High, Medium, Low or Off, according to the actual need. The higher the sensitivity, the more videos will be locked and will not be erased during loop recording, therefore, we suggest you to select Medium sensitivity.

Alternatively, Press Mode while the video is recording to lock the files.

6. A key lock function

The machine has a key lock feature that will retain an image without being locked loop overwritten. In the video mode, short press down, the recorder will lock the first 10 seconds, and 20 seconds after the accident occurred and save it as a special image.

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7. Date and time settings

Press OK to pause the video recording, short press [Menu] key to enter the system setup menu, press the down arrow key [Up] / [Down] keys to move the cursor to set the date options. Press [Enter] to enter the menu settings.

[Note]

In order to efficiently record the date and time of the traffic accidents forensics before using the machine, please set the correct date and time.

8. A mute button function

In working condition, short press the [Down] key, the screen changes to prohibit the bottom left of the microphone icon, indicating that video recording has been turned off. The recorder only records the image without a sound. Short press the [Down] button below the microphone and the screen changes to the record icon to indicate resume recording.

[Note] settings are saved automatically, without having to re-boot after the mute function.

9. U-disk mode

The recorder is connected via a data line computer USB port. The screen displays the disk, camera, and charging. The three selectable modes. Press up key [Up] / [Down] keys to select the Disk option. Then press [Enter] to enter the U disk mode.

10. Shooting File Playback

In Boot state, short press [MODE] key to switch to playback mode. Press the [Up] / [Down] keys to find the file you want to play back and press [Enter] to play. To exit playback mode, short press [MODE] key.

11. Parking Monitor

When you open the parking monitoring in the off state, if the car has a slight vibration, the recorder will automatically start recording for 20 sec and shut down.

[Note] This feature requires hardware support.

12. WDR (Wide Dynamic Range)

Adopt internationally advanced double (long & short) exposure techniques, reformat video images to be optimal. Images is commonly overexposed in the strong sunshine, and hardly to be taken in the dim light conditions, WDR capability gets the issue resolved. Turn this function on/off under menu settings.

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13. Exposure

Now, the dash cam comes standard set to a +0.0 exposure, which is essentially baseline. This level of exposure will account for every day lighting scenarios, bright days, darker days, etc. The exposure and aperture both determine how much light is being allowed into the lens of the camera. So on a regular, mild day, the standard factory setting will do just fine.

The only time you want to adjust your exposure is when there is too little light, or too much light in any given location. If it is dark outside, and your footage is coming out too dark, you can simply ramp up the exposure, and your camera will maximize the amount of light it absorbs. This trick will ensure that your night vision comes out clearer. Exposure can be adjusted under menu settings.

14. Screen saver

The screen will turn off by itself after 3mins, 5mins or 10mins if this is turned on, but the dash cam is still recording at the background. If you do not want the screen to turn off by itself, please select OFF.

15. Rear camera mirroring
Enable rear camera video recording, turn on/off under menu settings.

4. Product Specifications

Display	4.0 Inch High Resolution Screen
Front camera	Sensor AR0330 + 650NM lens, NTK96655 Chipset
Rear camera	Analog CVBS input, VGA resolution
Visual angle	170 degrees
Minimum illumination	1Lux
Video mode	Loop video / motion detection
Video format	MOV
Video coding mode	H.264
Video resolution	2304 x 1296p,1920 x 1280, 1080 x 720, 848 x 480, 640 x 480 (30 frames / sec)
Camera resolution	4032 x 3648, 3024 x 2736, 3264 x 2448, 2592 x 1944

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Video output	N/A
Seamless video	yes
Boot automatic recording	supported
Gravity induction	When car crash, it will emergency save videos, not to be deleted
Manual lock	Video, short press mode key, to lock the current file, not deleted
Languages	English, Chinese, western, Portuguese, German, Italian, simplified, traditional, Russian, Japanese
Video segmentation time	3 minutes /5 minutes /10 minutes
Sound recording	Built in microphone, recording can be selected to close / open
Version number	Display product model, software version and update time
Night Vision	2 white light lamps

Memory card	TF Card
Memory card capacity	8GB--32GB
USB interface	USB2.0 Mini5Pin
Operating system	Windows 2000, XP Windows, Windows 7, etc.
Battery	3.7V 200mAh high rate polymer battery
Power waste	Double recorded video MAH 500-700
Power Supply	Vehicle mounted power 5V/1.5A
Storage temperature	-10 C ~ 70 C
Operating temperature	-10 C ~ 60 C

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Instructions to use:

- For best result in using Dash Camera, we definitely recommend to keep it plug-in into the car cigarette charger. This will allow you to use or record for a longer period of time. Dash Camera uses a lot of battery due to G Sensor system of the camera.
- To watch recorded video clips, please remove SD card from Dash Camera and connect it to your computer or laptop. This will allow you to watch all videos recorded.
- Please peel off the protective film on the screen before use.

- If you would like to use parking monitor function, please purchase compatible hard wire kit from our store.

Common troubleshooting:

- Dash cam is not recording properly, please check:

 1. Format the sd card and try again.

 2. Change to another sd card and try again.

 3. Reset to factory settings under menu.

If you have further questions or clarifications feel free to contacts us at 1300 881 773 or send us an email

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