

Tachograph

8402

This product adopts high-performance chips to provide high-definition video and seamless dynamic images. Supports FHD1080P true full HD video recording. Please read this manual carefully before use and keep it properly. We hope this product can meet your needs and serve you for a long time

1 matters need attention

- 1) Note: Please do not insert or remove the TF card when the machine is in operation to avoid damage.
- 2). Please pay attention to the direction of the TF card into, if reverse insert, it might damage the machine and TF card.
- 3). When you insert TF card machines, machine that will set the TF card to the default storage devices, the original
- 4) TF card information may not be able to read. If the TF card is incompatible with the machine, please insert it again or try with a new TF card.
- 5). When found the problem, not to make the vehicle traveling data recorder "germs" operation

2 Description of key functions

Power button/screen backlight switch

Function 1: Power on/Off function

switch machine function in shutdown state, long press and hold 【power key 】 for 3 to 5 seconds to open the machine power supply, the machine automatically set to work. When the device is powered on, long press the 【power key 】 and hold it for 3 seconds. The device will automatically save the video file and user Settings and then shut down.

Function 2: screen backlight switch in standby mode, when the screen is bright short press 【power key 】 close the screen backlight, short press 【power key 】 again open screen backlight

3 installation guide

- 1) Turn off the car engine.
- 2). Insert the TF card recorder in the card slot. 【 note 】 please use high-speed TF card (Class10 above), capacity of not less than 8 gb, 128 gb TF card is the biggest support.
- 3). The recorder fixed in the rearview mirror of the car.
- 4). Insert the car charger into the car cigarette lighter.
5. The recorder with charging extension cord connect USB interface and car charger.
【 note 】 wiring when charging extension can be run up along one edge of the windscreen.
- 6). Install the rear camera in the rear, pay attention to the direction when installation. Wiring can be laid along the vehicle roof. After installation is completed, plug the rear plug into the recorder AV-IN.
- 7) Adjust the camera position, ensure the lens with the ground level.

8). To start the engine, check whether the machine is installed correctly.

【 note 】 when the machine is installed correctly, the system working indicator light; The machine starts up and enters the recording state, with the video recording indicator light flashing. Please check whether the image on the display screen is normal. If the displayed image is inverted, please contact us in time.

1. Installation method of the front camera:



2. Installation method of the rear camera:



4 brief introduction of the function

1) Use the automatic recording function

Start the car engine, and the recorder will automatically start and activate the recording function. The charging indicator light

will light up and the video recording indicator light will flash. When the car engine is turned off, the recorder automatically saves the recorded content and shuts down. The recorded images are saved in segments on the TF card. When the TF card is full, the recorder will overwrite the earlier recorded images. The recorded time period can be set by yourself in the menu, with two ranges: 1 minute and 3 minutes.

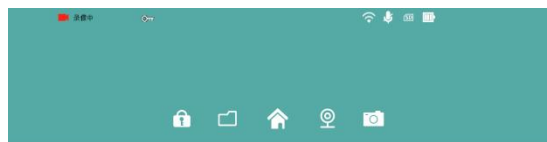
【 note 】

- a. If you choose to "1/3" minutes when any one of these two files, when after the expiration of the TF card storage recorder recorded earlier will cover image;
- b. before and after a camera, video and photo files are saved in the TF card "DCIM1 folders" and "DCIM2 folders" and "DCIM3 folders".

2) Use the manual recording function

Press and hold the **【power key】** of the recorder for a long time. The recorder will start and begin to record automatically. The video recording indicator light  will light up and flash. If you want to stop the recording, touch the icon at the bottom of the screen . If you need to turn off the device, press and hold the **【power key】** for 3 seconds, and the recorder will automatically save the record and turn off.

3) **【set】**



In the normal usage interface after the recorder is started; There are five buttons below the display screen.

【 Lock 】  Contact Settings: The video being recorded will be locked.

【 playback 】  When you set the touch points, you will enter the playback mode to view the video you just recorded and the photos you captured.

【 transcribe 】  The touch Settings for "Recording" will start the video recording. Click the touch again to save the video file.

【 candid 】  When the contact points are set, a photo will be captured and saved.

【 menu 】  The "Menu" contact Settings will pop up 8 function menus: a total of 3 pages and 24 menus.

First page menu has eight: **【image quality】** **【the video time 】** , **【recording】**, **【 collision detection】**, **【parking monitoring 】** , **【 automatically shut down the screen,】** **【backlight level】** , **【wi-fi 】**

hold the touch screen to the left after the sliding distance raised, switch to the second page of the second page menu has eight: **【Formatted memory card】**, **【restore factory Settings】**, **【date/time】**, **【plate】**, **【the sound】**, **【headlight remind 】** **【 volume】**, **【language】**

hold the touch screen to the left after the sliding distance raised, switch to the third page third page menu has eight: ,

【switch machine voice 】 、 **【 automatically update time,】** **【exposure compensation, driving report 】** **【 light source frequency】** , **【high dynamic range 】** **【 time watermark】** , **【about this machine 】**

4) .Collision sensing function

This device is equipped with a built-in collision sensor (G-sensor). In the event of a severe vehicle collision, the recorder will lock the video at the time of the accident and save it as a special image, while a lock icon will be displayed above the

screen. The locked image will not be cycled over.

5) One-click lock function

This device is equipped with a one-click lock function, which can lock the images that need to be retained without them being overwritten in a loop. In the video recording mode, when the touch **【Lock】** is reached, the recorder will lock the image.

6) Split-screen switching

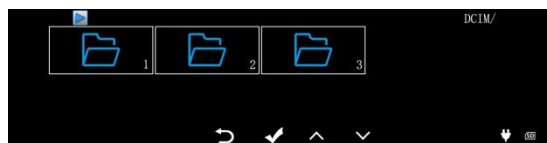
。 The recorder features multiple distribution and switching modes, including "front camera full screen", "interior camera full screen", "rear camera full screen", and "front camera + rear camera + interior camera three-screen" combinations.

7) Memory mode

Connect the recorder to the computer's USB interface via a data cable. The screen will display three selectable modes:

【Memory Mode】 , **【Camera Mode】** , **【Recorder Mode】** . Just touch the mode you need.

8) Playback of the captured file



When the device is powered on, touch the main interface  to view all the files you want to preview and select the files you want to play. The modes are: **【Play/Pause】** in the middle of the screen, **【Unlock】** at the lower right corner of the screen, **【Delete】** in the middle of the left side of the screen, and **【Return】** on the left side of the screen.

13.1, contact **【unlock】** in browsing the video interface, image at the bottom right corner has a lock icon is locked file. When deleting a file, tap the key icon in the upper right corner of the screen to unlock it. Then you can delete the file.

13.2, contact **【play/pause】** again contact will suspend mode.

13.3, contact **【deleted】** want to delete the file into the prompted **【deleted】** and **【play】**, contact **【deleted】** can be deleted. If do not delete click **【 play】**

13.4, contact **【return】** icon can return to the main interface.

9) parking monitor

When the parking monitoring function is turned on, in the off state, if the vehicle vibrates at an appropriate height, the recorder will automatically start to record and lock.

10) Reversing camera

First of all, the car charger must be properly connected to the recorder. Then, pull the camera plug into the AV-IN port, and connect the black and red wires on the camera to the reversing light. When the car is plugged into the charging machine, it will automatically start the video recording mode. In any state, if there is a reverse, the reversing camera will be displayed. After the reversing visibility is completed, the machine automatically returns to the video recording mode.

5 product standard

CPU	(JL)AC5706ZH824-2AHD-V1
internal storage	512M DDR
Resolution of the front camera	200W
Rear camera resolution	100W
Lens Angle	120°
Language	Supports Simplified Chinese/Traditional Chinese/Japanese/Korean /English/French
TF memory card slot	Micro TF
Video resolution	1080P / 720P / 480P
Photo resolution	1M
Storage compression method	M-JPEG
Video codec	one way: 1920x1080@25fps(H.264)
	double lines : 1920x1080@25fps(H.264) 1280x720@30fps (M-JPEG)
	three routes : 1920x1080@25fps(H.264) 1280x720@30fps (M-JPEG) 1280x720@30fp (M-JPEG)
storage temperature	-30℃~70℃
operating temperature	0℃~50℃
operation humidity	15-65%RH
Memory card capacity	8GB ~128GB(memory/capacity selectable) 10class

6 product mix

imaging sensor	FHD
viewing screen	9.66-inch high-definition display screen
lens	2 million 1080P all-glass + high-resolution multi-layer filter wide-angle lens
picture format	JPEG
transmission speed	USB2.0

power interface	5V 2A
storage	8-128GB(memory/capacity selectable) 10class
G-Sensor	Gravity sensing, parking monitoring sensing, parking
video coding	H. 264, MOV(1080P)
video	1080p, 720P, 480P
OS(Operating System	U COS
pull back	AHD
USB interface	MINI USB 5V/2A power interface
Built-in speaker	8R 1W
VCVA	High-fidelity speaker
battery	Built-in lithium polymer 500MAH

7 System error message definition

error message	describe	solution
Not inserted card	1. No detected TF card 2. Can't video	please insert your ticket
no file	1. No insert SD card 2. No files	Insert the card to record videos or take photos
Card error/Please format	The card format is incorrect.	Enter the menu to format the SD card
SD card full	When taking photos, it shows that there is insufficient remaining space	Please delete or unlock some files to free up space
The dashcam is malfunctioning	The machine is stuck.	resetting key

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure

Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.