

**Dash Cam—860
Instruction Manual**

CATALOG

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Introduction

Thanks for purchasing our products. The product is specifically researched and developed for traffic accident which is hard to obtain evidence in modern times, but also to use in other occasions. Dash Cam can be used for meeting records, monitoring forensics, location shooting, video evidence, etc., enrich your life with more functions in a monitor. This product integrates of leader wide dynamic digital camera, real-time, cycle video, wide angle camera, replay, motion detection technology and so on. It is popular with fashionable and top design. Please read carefully before using. This manual will help you know how to install and operate, also for product parameter and cautions. And please take the subject as standard cause the specification will be updating. Factory can change technology directly without prior notice.

Violate copyright/Privacy announcement

Please notice this product is used personally only and don't violate the copyright /privacy law inland or abroad. That is to say the video only used by personal and can't be published. In addition, it may violates copyright or law while be used for show, exhibition or business.

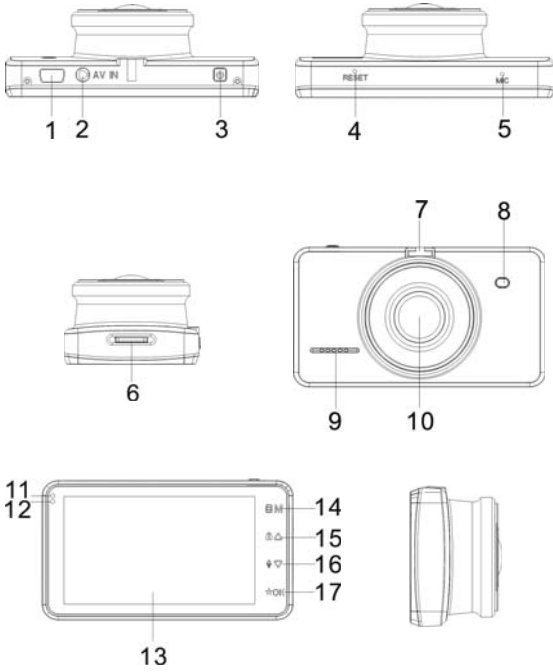
Installation instruction

It is better to install near by mirror in order to get a best view. For making sure a good effect even in rainy, please confirm if the lens is in the range of windshield. Don't use finger to touch the lens, it will leave subem and lead to blur. So please clean the lens periodically.

Notice

1. Use the original charger we provide.
2. In order to confirm the warranty, please don't disassemble privately.
3. It is better to call a professional man if you want to change the power circuit.

Structure instruction



Structure instruction

Host button and slot instruction

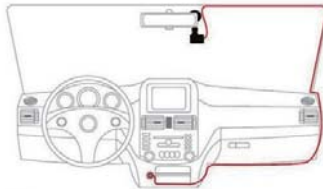
NO	NAME	Operating instruction
1	USB	USB slot for power and TPMS signal input
2	AV IN	Double record function.(Only the double record dash cam has this function)
3	Power	Press and hold as switch key;Short press as a screen saver function key.
4	Return	Restart the system
5	Microphone	Recorder
6	Card slot	A slot for memory card, please insert with correct direction.
7	Bracket slot	Slot for bracket installation;
8	LED	Choose to light while in the dark.
9	Speaker	Voice Announcements
10	Lens	Please keep clean
11	Video indicator light	Blue light will flash while power on with memory card.
12	Power indicator light	Red light will be ON while power on.
13	Screen	3 inches screen
14	M menu button	Press to get into menu interface in standby, Press and hold to ON/OFF the light.Short press M to get into TPMS setting menu in TPMS mode.Short press M to get into TPMS mode in TPMS setting menu (Use this function on matching the tire sensor)
15	UP	Press as a lock key in video mode,Press as a UP key in menu mode,press and hold to get into G-sense mode,OK to exit.
16	DOWN	Press as a DOWN key in menu mode,Press as a switch key for audio in video mode,Press and hold to get into TPMS in video mode,Press and hold to get into recording at TPMS states. (Use this function on matching the tire sensor)
17	OK	Press as a confirm key.

Install Dash Cam

Installation

- 1、 Insert the memory card: Please insert the memory card with a correct direction until clicks,to be sure insert in place.Memory card must be High Speed card because video storage is running fast (CLASS10 above) 。
Notice : Use the recorder to format and match card if use a new card first time.
- 2、 Take out the memory card:Press the card and pop from slot.
Notice:Don' t take out or insert the memory card while power on,to advoid damage the card.
- 3、 **Install in front of the mirror of windshield inside the car.**
 - (1) Fitting with bracket is pasted on glass to keep parallel,.
 - (2) Fitting bracket is Push-Pull,aim slot with the bracket after fixing.stands,push to go on.
- 4、 **Connection of power supply**


Please use the factory standard original charger,the one end of the car charger connected to USB slot and then use the end of car charger to insert cigarette port.It will Auto-start once power.



Notice : Wire can be hidden by car windshield decoration board and install car charger extension cord along the top , like picture above.

Dash Cam setting

5. Switch

- (1) Auto ON/OFF: the device will turn on automatically once the engine is started, that is to auto record video while power on, save and turn off the power in 10s once car switch off.
- (2) Manual ON/OFF: Press and hold  to turn on and off.

Dash Cam initial setup

Set date and clock :

- 1、 Need to press OK to get into standby states due to the dash cam has a function for recoding automatically while ON.
- 2、 Short press M to get into Menu on standby, then press ▲ or ▼ to select "Setup" and press OK to enter. Press ▲ or ▼ to select "Date/Time" and then press OK to set "Date/Time"
- 3、 Press ▲ or ▼ to adjust the value, then press OK to set another value. Finally, press M to exit after finishing the clock setting.

Dash Cam operation

Recorder camera operation

- 1、 When the car engine starts, the device automatically turns on and begins recording. When the car flame out, it will automatically stop recording, or press OK. to stop record manually.

Notice: Some cars charger interface is often powered and will continue to supply when the engine is stalled. Please take the step as follow if meet this case: Manually press switch on the device, or take out the car charger from the cigarette port.

- 2、 Other types of camera: Press OK button, then start recording;

Notice:

- (1) The camera will be saved once every 3 or 5 minutes, please refer to the cycle camera menu.
- (2) Video will be saved in memory card, the card will cover the original one if it is filled.
- (3) For gravity sensors or urgent video, the video cannot be automatically covered and needs to be manually removed

3、 Urgent video

Notice: The device will stop at present video and not be covered if open the gravity sense function and detect the crash.

Operation of recorder photo

- 1、 Press M to stop video and then switch to main interface, Press ▲ or ▼ to select to photo function and press OK, screen will show the photo icon at the upper left corner.
- 2、 Short press OK to take photos. If screen flash while take a photo, that means finish.

Video/Photo playback operation

- 1、 Press OK to stop record if in recording.
- 2、 Short press M, switch to the main interface; Press ▲ or ▼ to select to playback function and then press OK to get into playback mode, screen will show the video icon or photo icon at the upper left corner.

Dash Cam Operation

3. Press ▲ or ▼ and select the file .
4. Press OK to play or stop the video.

Menu setting operation



1. Press OK button to stop record if recording
2. Press M to get into main interface , select setting and then press OK to enter,select what you need to set on menu.Press M to switch menu mode.
3. Press ▲ or ▼ ,you can loop UP and DOWN in each set item
4. Select which need to change and press OK to set.
5. Press M to return after setting.

Special function :

1. Gravity sense function

When the gravity acceleration starts, the machine automatically saves the video as an undeleted file. Gravity sense can be adjusted High-Medium-Low-Off in menu.

2. Motion detection function

Main interface will show  after start Motion,short press OK to start camera,camera will Auto-switch to Motion detection standby after 30s.When sense motive objects,recorder will start camering. video icon will flash;Time to start motion detection is 30s,  then enter into standby automatically after ending motion. the icon will stop flash;It will restart the camera function when detect motion of some objects.

3. Introduction of battery

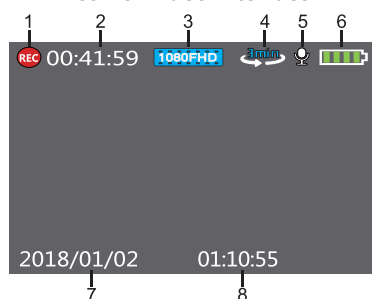
Use the polymer lithium battery.












4. RESET

If the recorder display abnormally or crashed while using,you can use a small needle to catch the RESET key and then reset.

Interface

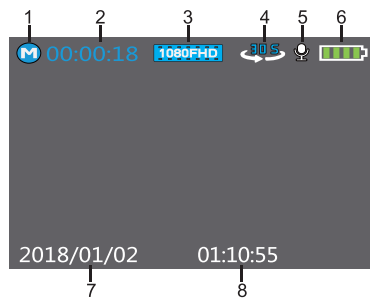
Icon of video interface













- 1、 : Video icon, show as video mode.
Flash in red indicates shootings.
-  : G-sense icon, show as G-sense mode.
Flash indicates dash cam sense the crash in shooting.
- 2、 : Video time; Red number indicates the video timing.
- 3、 : 1080FHD video resolution icon. display resolution at present.
 : 720P video resolution icon. display resolution at present.
- 4、 : Shooting time, 1 minute、 2 minutes、 3 minutes
 : OFF, full card can not be covered if choose OFF.
- 5、 : Sound recording opened.  : Sound recording closed.
Open or close the icon and show synchronously in setting menu, indicates the sound record opened or closed.
- 6、 : Battery level.  : Charging.
- 7、2018/01/02 : show the current date, please do a initial setup before using.
- 8、01:10:55 : show the current standard time; please do a initial setup before using.

Interface

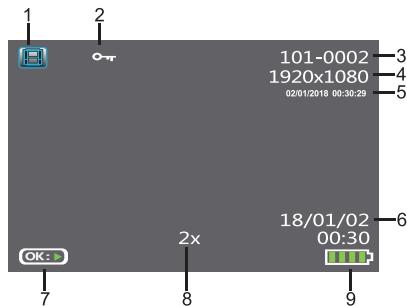
Motion detection interface icon











- 1、: Motion detection icon, indicates motion detection mode. Icon flash indicates detecting the motion in shooting.
- 2、: G-sense icon, indicates gravity sense mode. Icon flash indicates dash cam sense the crash while shooting.
- 3、: Record time, Number changing indicates recording.
- 3、: 1080FHD video resolution icon, display resolution at present.
- 3、: 720P video resolution icon, display resolution at present.
- 4、: Motion detection starting time 30 seconds.
- 5、: Sound recording opened. : Sound recording closed.
Open or close the icon and show synchronously in setting menu, indicates the sound record opened or closed.
- 6、: Battery level. : Charging.
- 7、2018/01/02 : show the current date, please do a initial setup before using.
- 8、01:10:55 : show the current standard time, please do a initial setup before using.

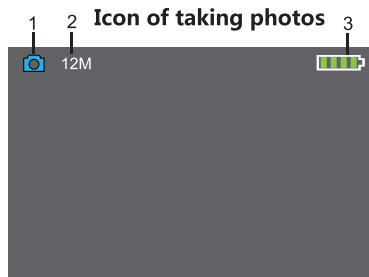
Interface




Playback interface icon



- 1、 : Video file icon, indicates file is video.
- 2、 : Photo file icon, indicates file is photo.
- 2、 : Lock file icon, indicates the important video is protected.
- 3、101-0002: File No, Indicates dash cam generate No. Auto in shooting.
- 4、1920X1080: 1920X1080 resolution; show the file resolution.
- 5、02/01/2018 00:30:29 : date icon, indicates date the file.
- 6、18/01/02 00:30 : shooting time, indicates indicates shooting date.
- 7、 : Video play icon, short press OK to play the video.
- 8、 : Video pause icon, short press OK to pause the video.
- 8、2x : 2 times play rapidly, When play the files, short press  to rapid, highest setting can be 8 times rapid to play the video.
- 9、 : Battery level.  : Charging.

Interface



- 1,  : Icon of taking photos, indicates taking photo mode.
- 2, 12M : Resolution. Optional 12M, 10M, 8M, 5M, 3M, 2MHD, VGA, 1.3M
- 3,  : Battery level.  : Charging.

Setting menu

Setting menu

Vedio menu	Introduction	Usable option
Video Resolution	Set the video definition	1080P、 720P、
Record Time	Set the track per video	OFF、 1 minute、 2minutes、 3minutes; Filled card can not be cover if chooes OFF
Tire pressure		Off、 On
Light set		Off、 On
Gravity sensing	Video which happen crashed will never be covered	High、 Medium、 Low、 Off
Motion detection	Video automatically when detects moving in standard	Off、 High、 Low
Audio	Audio function be On/Off	Off、 On
Date stamp		Off、 On
Camera menu	Instroduction	Usable option
Image size		12M、 10M、 8M、 5M、 3M、 2M、 VGA、 1.3M
Sequene		Off、 On
Quality		Fine、 Medium、 Normal
Sharpness		Strong、 Normal、 Soft
White balance		Auto、 Daylight、 Cloudy、 Tungsten
Color		Color、 B&W、 Sepia
Exposure	Lack of exposure, dim screen, need to fill the light	+0.0、 -1/3、 -2/3、 -1.0、 -4/3、 -5/3、 -2.0、 +2.0、 +5/3、 +4/3、 +1.0、 +2/3、 +1/3
Playback	Introduction	Usable option
Delete		Delete current? Delete all?
Protect		Lock One、Unlock One、Lock All、 Unlock All

Setting menu

Setting menu

General menu	Introduction	Usable option
Date/Time	Date and time	Set year,month,day,hour,minute, second
Auto Power OFF	Setting Auto OFF	Off, 1minute, 3minutes, 5minutes
Beep Sound	During the operation,the key with a sound or not	Off, On
Language	Language of manu	English,Chinese,Japanese, Traditional Chinese,Francais, Portugés,Deutsch,Italiano, Espanol,Русский
TV mode		PAL, NTSC
Screensavers	Set screen saver time while working	1 Minute, 3 Minutes, 5 Minutes, Off
Frequency	Frequency of flash light	50HZ, 60HZ,
Format		Cancel, OK
Default Setting	Restore default	Cancel, OK
Version	Factory version of device	Version No.

Specification form

Specification form

Name	Hidden high definition driving recorder
Battery	Lithium battery
G-sensor	Built-in (Emergency save in case of car accident, not deleted)
LCD Screen Size	3.0LTPS 16:9
Lens	140 degree A+ resolution super wide angle lens
Language	Russian、English、Chinese (simplified)、Chinese (traditional)、Korean、Japanese
File formats	AVI
Video resolution	1920*1080P 1280*720P
Motion detection function	Support
Color image	Standard
Loop recording	Loop video recording
On/Off with the car	Power on if the car switch on,Power off if switch off
Time	Support
DDR	Storage(Totally:1024MB)
Camera mode	1200M
Photo formats	JPEG
Memory card	TF(Max 32GB)
Microphone	Support
Audio	Support
LED	Support
Video formats	PAL/NTSC
Current frequency	50HZ/60HZ
TPMS function	Support(Use this function on matching the tire sensor)
Power input	5V 1A

Problem and solutions

Problem and solutions

In normal operating conditions, such as product abnormal problems, please refer to the method to solve:

Can not turn on

Check if the recorder connect with car charger correctly;Check if the indicator light is normal with manual power on;Press RESET and restore the default if it is caused by program.

Automatically stop the camera, or do not cycle the camera :

Due to the huge video data,it is possible to cause card can not keep up with the speed.Please use high-speed TF cards such as C10. Also,Non-cycle camera may cause by gravity sensing opened and all the files locked.Please close the gravity sensing and formats the memory card.。

Time of cycling camera is different with setting:

Please check if the motion detection opens,Because tracks of camera in motion detection is depended on picture moving.

Film is not clear :

Please check if there are dirt or finger traces on lens,wipe and keep it clean.

Effect of film sometimes good or bad:

Camera effect is related to the lightness more,such as front light, back light and strength of light etc.

Fringes interference in the image :

It is cause by setting a wrong "Light frequency" in daylight. Frequency in China is "50HZ"

Halted while working

Press"RESET" to restore and restart the recorder.

Warning:

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.

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.

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter