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PLCMDVR46

DVR REARVIEW MIRROR DASH CAM KIT

Vehicle Dual Camera Video Recording System
with Full HD 1080p

USER MANUAL

PREFACE

The PLCMDVR46 DVR Rearview Mirror Dash Cam Kit integrates video recording, picture taking and external storage into a multi-function high-resolution digital recorder with HDMI and media output. It is widely used for providing recorded footage for purposes of accident compensation / insurance, but can also be used to record driving for fun and leisure.

This product is a blend of wide dynamic digital industry leading camera, no leakage of seconds, seamless circular camera, ultra wide angle shooting, with real-time display playback, mobile detection camera, parking guard technology in one; unique fashion streamline design favored by vast number of consumers.

This manual will detail how to install, operate, product parameters and matters needing attention. Please read carefully and keep the manual before use. Specification parameters may be due to upgrade, update and other reasons do change, refer to the actual product, without prior notice. The manufacturer reserves without prior notice, to change the technology of direct rights.

INFRINGEMENT OF COPYRIGHT OR PRIVACY NOTICE

Please note that this product is for personal use only, its use shall not violate domestic or international copyright/privacy laws. The recorded image is for personal use only, not foreign free to publish spread; in addition if the product records show exhibition or commercial activities of the image may in some cases infringe copyright or the legal rights and interests.

INSTALLATION NOTES

This product should be installed near the rearview mirror, in order to get the best view.

To determine whether the lens in the windshield is in wiper range, ensures good vision, and also even good in rainy environments. Don't touch the lens with your fingers, fingers grease may remain in the lens that may result blurred photographs or unclear camera. Please clean the lens regularly.

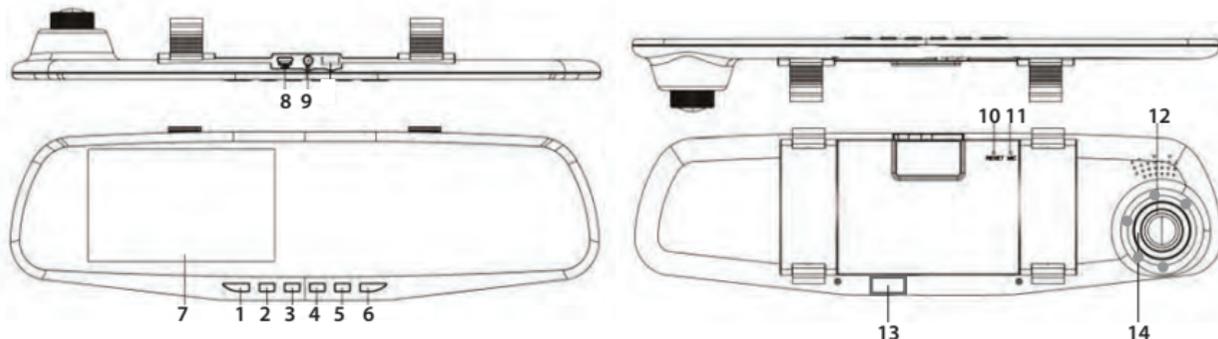
MATTERS NEEDING ATTENTION

Use of the original factory standard charger

Do not be privately dismantle the machine to avoid affecting the scope of warranty

If you are not familiar in modifying power lines, please look for a professional

PRODUCT STRUCTURE DESCRIPTION



HOST KEYS AND INTERFACE SPECIFICATION

NO.	ICON	NAME	OPERATING INSTRUCTIONS
1		Key switch machine	Long press the on / off, short press the on/off the LED light;
2		The menu key	Standby, press the key to transfer function setup menu; Continuously press the key to switch between the settings menu
3		Mode Switch/ Video Emergency lock button	For video / photo / Playback switch function/ In Recording mode, press the button to lock on the file, not be cyclic covering;
4		Page up / front & back camera display switching/ Motion Detection	Menu options, select the function key; Standby or video mode, insert the rear camera, a rear-view camera / forward-looking lens / double image display can be switched on screen display; long press to open the motion detection modl, long press to exit
5		Turn down	Menu options, downward selection function keys;

		/Mute /parking control/ Playback Mode / Sound Volume Adjust	In video mode, press this button to mute the sound/ Playback mode, press the button to reduce the sound volume/hold the key will open the parking control, Hold to close parking control
6	OK	Menu setting confirm key/video record & photo capture button	Video / Photo / Menu setting confirm key Standby mode, press this button to launch the on / off camera; Photograph mode, press the key to take photos; menu mode to confirm key;
7		Display	4.3 inch 16:9TFT, high-definition display screen
8		USB interface / Power Input	Connected to a computer for data; Power In connection
9		AV In	Real-view Camera connection port
10	RESET 	Reset Button	System restart/ reset button;
11	MIC 	Microphone	Collection the sound
12		Front Camera	Front Camera video/image collection
13		TF card slot	TF memory card slot, please install according to the right direction prompt
14		LED Light	The night vision function

RECORDER INSTALLATION

- 1. Insert Memory Card:** Please follow directions inserting the device memory card. Insert memory card until you hear a "click" sound to confirm the memory card is properly inserted.

Recommended memory card must be above CLASS 10 for the video recorder storage

Note: *You should always format new memory card or one from which you wish to erase all images and other data.*

2. Removing the memory card to the memory card slot: Press and it will pop-up.

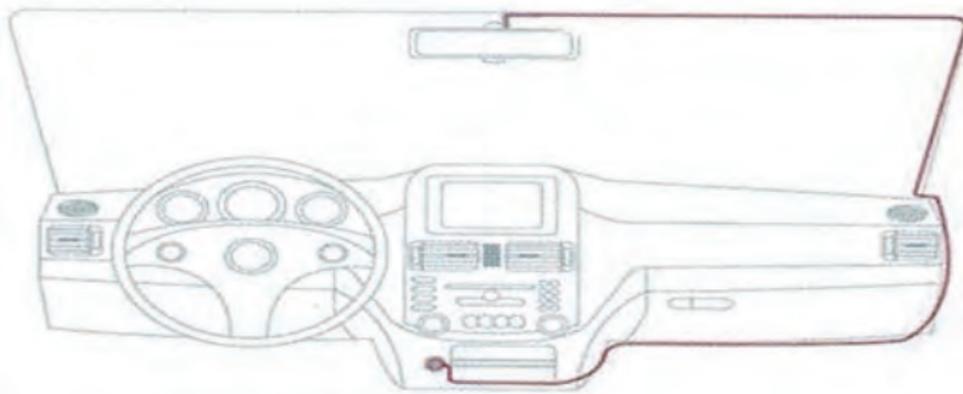
Note: *DO NOT insert or remove memory card while the device is in boot state.*

3. Installing the rearview mirror on the car

The equipment will be installed using the silica gel to the left position of the lens from the original car rearview mirror. Attach the equipment flat on the original car rearview mirror using strained silicon adhesive tape, hanging below the hook. The equipment should be fastened in the original car rearview mirror.

4. Connect the power supply

Please use the original standard charger from the factory, boot device and the built-in rechargeable battery. Connect one end of the charger into the USB interface equipment, and insert the other end into the vehicles charger port. The device will automatically boot when the automobile's engine once launched.



Note: *The wiring can be installed in the car charger to extend the line along the car wind screen trim panel at the top for hide the installation.*

5. ON/OFF Device

- **Automatic ON/OFF:** After you start up the automobile's engine, the device will boot automatically. When the device is turned on, the camera starts automatically. Once the engine's shut off, the device will automatically save the recorded file and in 15 seconds the power turns off.
- **Manual ON/OFF:** Long press  to start manually according to the host of the key long press  to shutdown.

Initial Recorder Setting

Set the date and time:

1. The machine will automatically boot the camera function, you need to press the OK button to enter the device on standby state.
2. Press the  keys three times, select by using  or , and then press OK button to enter setting
3. By using  or  keys in adjusting the value, press the button to enter another field until the setting of date and time is complete, click 3  to exit.

Camera Recorder Operation

1. When the automobile engine starts, the device will automatically boot and starts recording. When the engine shut's off, the device will automatic stop recording or press the OK key to manually stop recording.

Note: *Car charger interface for some cars with constant power supply. When the engine shut's off and theres still power supply, please follow these steps: ON/OFF device manually or turn off the car charger from the automobile cigar lighter.*

2. **Other types:** Press OK button, then start recording; press OK button again to stop the camera.

Note:

1. Every 2, 3, 5 minutes of video, to save time, please refer to the circular camera menu.
2. The device will save the stored video at the memory card. If the memory card capacity is full, it will automatically overwrite the first previous videos.
3. For gravity sensing or emergency camera, video files will not be overwritten and have to be deleted manually.

3. Emergency Camera

Note: *When the Gravity Sensing (G-sensor) Function, detects a collision, the device will automatically lock the current recorded video and will not be overwritten.*

Camera Recorder Operation

1. Short press  switch to camera mode that displays at the upper left corner of the screen camera icon.
2. Short press **OK** key to take pictures, take pictures when the screen flashes once.

Video / Photo Playback Operation

1. In video mode, press the **OK** key to stop the camera.
2. Short press  key to switch to playback mode. The middle of the screen will show  icon.
3. Press  or  keys to move up or down to select the file.
4. Short press **OK** key to play the selected video files; short press again to pause.

Menu Operation

1. In camera mode, click the **OK** button stop the camera.
2. Short press  button to access set Menu
3. Short press  or  keys to move up and down in the cycle setting.
4. Choose the settings to be changed and short press **OK** key to enter changes.
5. After the installation short press  to go into standby state.

Special Function:

1. Gravity Sensing Function

When the gravity acceleration starts, the device will automatically save the video at the time of accident which cannot be deleted. To view current videos and important events manually, press  key. Adjust the gravity sensor to high, medium, low, and default at the menu.

2. File Locking Function

In Recording Mode, When you shoot one important events through this DVR, press  keys, to lock the file manually and the video file will not be overwritten.

3. Parking Monitoring Function

1. Enable this function through the menu setting first (or long press the "▶" keys to start the parking Monitoring) , when the car's engine is turned off, when DVR detects any external vibrations, DVR will pop-up automatically and starts to record 10-15 seconds, then the DVR will turn off automatically.
2. Parking monitoring video file will be locked automatically.

Note: *Please disable the Parking monitoring function when you want to do normal video recording*

4. Motion Detection Function

Enable this function through the menu setting first (or long press the "◀" key to start the Motion Detection Function)

5. USB Model

Charging: Selecting this mode can be used for charging the battery products.

6. Battery instructions:



Sufficient power



Low power



Low battery



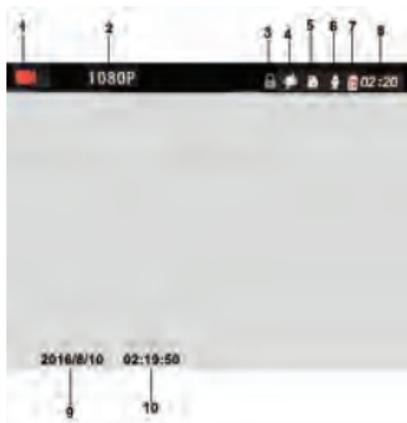
The electricity shortage

Note: *This DVR supports long time working while driving with car power input, the built-in battery only for parking monitoring, battery capacity is limited for operating time without car power input, please connect vehicle power in daily use.*

7. Reset

If the DVR freezes or any abnormal operation are occurring, you can use small needle through the hole to touch "RESET" button to reset the machine operation.

Display Interface Icon



1.  Video Icon
-  Photo Icon
-  Video Playback Icon
-  Motion detection Icon
2. 1080P: Indicates the current video format size
3.  Video Locked
4.  Open the parking control  : Parking control off
5.  Memory Card Icon
6.  Recording open  : Recording off
7.  Battery Power Display
8. 02:20: The video time shows
9. 2016-8-10 : Display the current Date (user can adjust)
10. 02:19:50: Display the current Time (user can adjust)

SETUP MENU

Menu Options	Explain	Available Options
Resolution	Set the video resolution	FHD HD
Photo Quality	Set the Photo Resolution	12M/10M/8M/5M/3M/2M/1.3M/1M
Loop Video	Set each video file length	1 min, 2 min, 3 min, off; If you choose close, card will not be covered with automatic cycle.
Motion Detection	Standby, automatic video detection to a moving picture	OFF/ON
White Balance	Screen is dim, need to fill in	Automatic/Sunlight/Overcast/Tungsten lamp/Fluorescent lamp
Contrast	The color for the video	0/1/2/3/4/5
Exposure	Underexposure	0;-1/3;-2/3;-1.0;1.0;2/3;1/3;2/3
Boot Video	Turn on the power record	OFF/ON
Screen Protection	Time to turn off the screen	Off/10seconds/30seconds/1minutes
Video Sound	Video sound open or closed	OFF/ON
Parking Monitoring	Parking stall, the body if received external vibrations, the camera will turn on then starts to record	OFF/ON
G-Sensor	Collision generated video not overwritten	off/2G/4G/8G
Auto Power Off	Automatic Shutdown Time	off/3 Minutes/5 Minutes/10 minutes
Date	Date and time	Set the year, month, day, hour, minute, second
Language	Menu language	English/Simplified Chinese / Simplified first article /German / French / Polish / Korean / Italian/Portuguese / Russian /Spanish/Thai

Time Watermark	Video shows the date	OFF/ON
Format	Storage card data delete	Confirm/Cancel
Restore Factory Settings	Reset all the information as the factory set	Confirm/Cancel
Version	Factory software version	The software version number

Product Specification

Product name	Rear-view mirror dual channel recorder	Date time	Support
Product features	140 level is very wide, full HD 1080P	carrier medium	built-in (total: 1024MB)
G-sensor	Built-in	Photo	12M
display size	4.3" TFT	Photo format	JPEG
Camera lens	140 A+ level lens	Memory card	Micro SD Memory Card (32Gb Max)
Language	Multi language	Microphone	Support
File format	AVI	sound	Built-in
Video resolution	1920*1080P 1280*720P	Parking control	Support
Video format	H . 264, AVI	Video format	PAL/NTSC
The effect of color	Standard	current frequency	50HZ/60HZ
loop video	Seamless loop video, no leakage.	USB function	charge
Car switch machine	Support	Power interface	12-24V 1A
Motion detection function	Support	Battery	Built-in 450mAh

Troubleshooting

Under normal operating conditions, such as product problems, please consult the solution:

Cannot boot:

Check if the recorder is correct and the car charger, in manual boot, check whether the low battery needs recharging. As a result of the program can be passed by the RESET key, restore to factory settings.

The camera automatically stop shooting, or non-circular camera:

The HD video data is huge, possibly because the memory card reader cannot keep up the pace. Please use the high speed Memory card such as high speed C10 card.

Non circular camera also has the possibility in the gravity sensing function if open. Car memory files is locked. Please close the gravity sensing function and reformat memory card.

Set up recycling camera is not the same:

Check if the open mobile detection function is open. Long camera motion detection depends on the picture with no movement.

Video and Image is not clear:

Check if the lens have finger print. Clean the lens surface before recording, keep it clean and tidy.

Sometimes the effect is good or bad:

Camera effect has a very big relation to the lighting environment and light intensity.

The images has fringe interference:

This is because of the mistake of "light frequency" under fluorescent light generated.

Reset the machine

Press "RESET" button to restore from start.

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