





PLCMDVR49

HD 720p DVR Rearview Mirror Dash Cam Kit

USER GUIDE



READ ALL INSTRUCTIONS CAREFULLY BEFORE USING THIS PRODUCT. RETAIN THIS OWNER'S MANUAL FOR FUTURE REFERENCE.

FEATURES:

- Dual Camera Car Video System
- Full HD 720p Front Dash Cam
- Attaches onto Your Existing Rearview Mirror
- Waterproof Rearview Backup Cam
- DVR Recording: Save Driving Video Clips
- Ability to Snap Pictures + Record Video
- 4.3" -inch Digital Display Screen
- Instantly Playback / Preview of Recorded Media
- Easy Setup: Plug-and-Play Operation
- Files Save via Micro SD Memory Card Slot
- Built-in Rechargeable Battery
- G-Sensor Auto-Saves Video During Collision
- Built-in Microphone for Audio Recording
- Includes Vehicle Cigarette Lighter Power Accessory Cable

WHAT'S IN THE BOX:

- DVR Mirror Assembly
- Backup Camera
- Car Power Cable
- USB Transfer Cable

California Prop 65 Warning



This product may expose you to chemicals, which is known to the state of California to cause cancer, birth defects and other reproductive harm. Do not ingest.

For more info go to: www.P65warnings.ca.gov

TECHNICAL SPECS:

- DVR Cam Resolution: 720p
- View Angle: 120° (Front Camera), 90° (Back Camera)
- Video Resolution: (Front) 720P:1920x720+ (Back) 640 x 480 30fps
- Picture Resolution: 12/8/3/2/1 MP
- Video Filetype Saved: .AVI
- Image Filetype Saved: .JPEG
- Loop Recording: 1 / 2 / 3 Minutes
- Date & Time Stamp: ON / OFF
- Micro SD Card Support: Up to 32 GB, Not Included
- Rechargeable Battery: 3.7V Li-iOn, 450 mAh
- Item Weight: 0.24 kg or 0.53 lbs.
- Dimensions (L x W x H): 12.0" x 1.6" x 3.3" -inches

INTRODUCTION

The PLCMDVR49 DVR Rearview Mirror Dash Cam Kit is designed to find evidence in the event of a traffic accident. This camera can also be used in other situations such as meetings, monitoring, forensics, location shooting, and video evidence. This product combines a wide dynamic digital industry-leading camera, seamless circular camera with no leakage of seconds, ultra-wide-angle shooting, real-time display playback, motion detection, and parking guard technology. It features a streamlined design that is uniquely fashionable, favored by many consumers.

This manual will detail how to install and operate the device, along with product parameters and important safety information. Please read it carefully and keep it for future reference before use.

Please note that the specification parameters may be subject to upgrades, updates, or other changes. Refer to the actual product for the most accurate information. The manufacturer reserves the right to change the technology without prior notice.

Copyright and Privacy Notice

Please be aware that this product is for personal use only. Its use must not violate domestic or international copyright or privacy laws. The images recorded by the device are for personal use only and are not intended for publication or distribution. Furthermore, using the product for exhibition or commercial purposes may, in some cases, infringe copyright or legal rights.

INSTALLATION NOTES

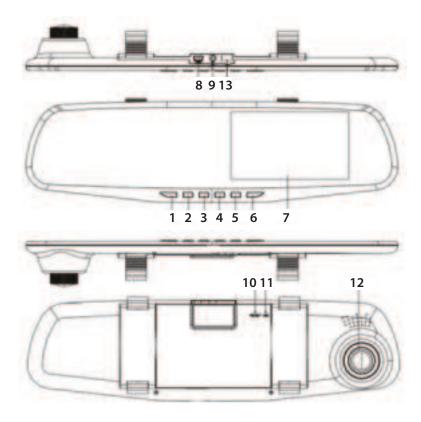
This product should be mounted alongside the original rearview mirror. Ensure the lens is outside the range of the windshield wipers to maintain clear visibility, even in rainy conditions.

Avoid touching the lens with your fingers, as finger grease may leave residue on the lens, resulting in unclear footage or photos. Regularly clean the lens to maintain optimal performance.

Attention:

- Please use the original standard charger.
- Do not dismantle the device to avoid affecting the warranty scope.
- If modifications to the power line are needed, please consult a professional.

PRODUCT STRUCTURE DESCRIPTION



HOST KEYS AND INTERFACE SPECIFICATION

No.	lcon	Name	Operating Instructions
1	ψ	Key Switch	Press to turn on/off; press and hold to control the screen backlight.
2		Menu Key	Standby: Press to open the function setup menu; press and hold to switch between settings menus.
3		Mode Switch/ Video Emergency Lock Button	For video/photo/playback switching; in recording mode, press to lock the file preventing it from being overwritten.
4	•	Page Up / Front & Back Camera Display Switching	In standby or video mode, insert the rear camera to switch between the rear-view camera, front camera, or dual-image display.
5	•	Turn Down / Mute / Parking Control / Playback Mode / Sound Volume Adjust	In video mode, press to mute the sound; in playback mode, press to lower the sound volume. Press and hold to enable parking control; hold again to turn off parking control.
6	ОК	Menu Setting Confirm Key / Video Record & Photo Capture Button	In standby mode, press to start the camera; in photo mode, press to take photos; in menu mode, press to confirm selections.
7		Display	4.3-inch 16:9 TFT high-definition display screen.
8	(mg) (188	USB Interface/ Power Input	Used to connect to a computer for data transfer or to provide power input.
9	0	AV In	Used for the connection of external AV devices.
10	RESET	Reset Button	Used to restart or reset the system.
11	MIC	Microphone	Collects audio for recording.
12	0	Front Camera	Captures video or images
13	1	MicroSD card slot	Insert the MicroSD card in the correct orientation for use.

RECORDER INSTALLATION

 Insert Memory Card: Insert the Micro SD card according to the device's memory card instructions. The DVR supports memory sizes from 4GB to 32GB (Class 6 or higher).

Note: Please format the memory card before using the device for the first time.

2. **Removing the Memory Card:** Turn off the camera first, then press to eject the memory card.

Note: Do not remove or insert the memory card while the camera is powered on.

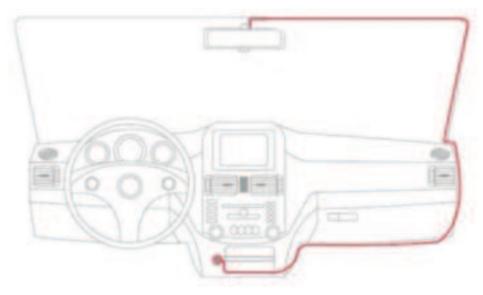
3. Installing on the Rear-View Mirror:

The device is installed with silica gel. Position the lens to the left side of the original car's rear-view mirror. Secure the device flat against the original rear-view mirror using the strained silicon adhesive tape, and hang it below the hook. The equipment will be fastened to the original rear-view mirror.

4. Connect the Power Supply:

Use the original charger and connect one end of the charger to the USB interface of the camera. Then, insert the other end of the car charger into the car's cigarette lighter port.

Note: The car charger extension cord should be installed along the windshield.



5. Turn On/Off Device:

- Automatic On/Off: The device will automatically power on when the car's engine starts. The DVR will begin recording immediately. If the car charger remains plugged in, the DVR will stop recording and automatically save the data to the micro SD card. There is a 15-second delay when the car's engine is off, and the DVR will then turn off.
- Manual On/Off: Press and hold the Power ON/OFF button. You will hear a "beep" sound, and the DVR will start recording automatically. To stop recording, press the "OK" Rec/Confirm Button. The DVR will save the data to your SD card and enter standby mode. Press the Power ON/OFF button again to turn off the camera.

Initial Settings for Recorder

Set the Date and Time:

- 1. The DVR will begin recording automatically when your car's engine starts. Press the OK button to put the device in standby mode.
- 2. In standby mode, press the " To button to enter the menu settings. Then, use the ◀ and ▶ button to find the "Date" menu and press the OK button to enter settings.
- 3. Use the ◀ and ▶ button to adjust the value, then press the OK button to confirm. Press the " = " button to exit once the setting is complete.

Camera Recorder Operation

1. The DVR will record automatically when the car's engine starts. If the car charger remains plugged in, the DVR will stop recording and save the data to the micro SD card after a 15-second delay when the car's engine is off. Alternatively, press the "OK" button to manually stop recording.

Note: For some cars, if the car's engine is off and the DVR is still on, manually turn off the DVR or unplug the power charger from the car's cigarette port.

2. Other Types of Recording:

In standard mode, press the "OK" button to start recording. Press the "OK" button again to stop recording.

Note:

- 1. There are 1, 2, and 3-minute options for video recording.
 - The DVR will automatically save one video file.
- 2. If the memory card is full, the DVR will automatically overwrite the previous video file.
- 3. For G-Sensor trigger or emergency video recording, the video will be overwritten. You will need to delete the file manually.

3. Emergency Camera

Note: If the G-Sensor function detects a collision, the device will automatically lock the current recorded video and prevent it from being overwritten.

VIDEO / PHOTO CAPTURE OPERATION

- 1. Press the " * " button to switch to video mode.
 - The video recording icon will display in the upper left corner of the screen.
- 2. Press the " "button to switch to photo capture mode.

 Press the "OK" key to take a picture. When the DVR captures the photo, you will hear a "KA" sound, indicating the photo was successfully taken.

VIDEO / PHOTO PLAYBACK OPERATION

- 1. In standby mode, press the " * " button twice to enter playback mode.

 The " I " icon will appear in the center of the screen.
- 2. Press the ◀ or ▶ keys to select the file you want to view.
- 3. Press the "OK" key to play the selected video file; press the " * " button to exit.

MENU OPERATION

- 1. In standby mode, press the "\sumset " button to enter the menu settings.
- 2. Press the ◀ or ▶ keys to choose the menu you want to adjust.
- 3. Press the "OK" key to confirm your setting.
- 4. Press the " to button to exit after completing the menu setting.

SPECIAL FUNCTIONS

1. G-Sensor Function:

The G-Sensor is triggered (collision detection).

The DVR will save the accident video file and prevent it from being overwritten.

You can adjust the sensitivity of the G-Sensor in the menu settings.

2. File Locking Function:

In recording mode, if you capture an important event, press the " * " key to manually lock the file. The video file will not be overwritten.

3. Parking Monitoring Function

- Enable this function through the menu settings first (or press and hold the
 " ▶ " button to start parking monitoring). When the car's engine is off and the
 DVR detects external vibrations, the DVR will automatically turn on and record
 for 10-15 seconds, then automatically turn off.
- $2. \ Parking \ monitoring \ video \ files \ will \ be \ locked \ automatically.$

Note: Please disable the parking monitoring function when you want to do normal video recording.

4. Motion Detection Function

The DVR is equipped with motion detection, which allows the device to remain on and record if it detects vandalism, a collision, or someone parking too close.

In standby mode, turn on the DVR and enable motion detection from the menu settings. The LCD display will show the motion detection icon in the upper center of the screen. If motion is detected within 3 meters, the DVR will automatically record for 10-30 seconds.

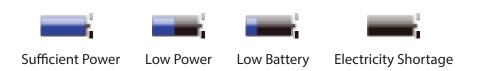
5. USB Mode:

When you connect the DVR to a computer via USB cable, the DVR will pop up two menu options automatically:

- 1. **USB Storage Mode:** Access video or photo files in this mode.
- 2. **PCCAM Mode:** Select this mode to use the DVR as a webcam for real-time video or photo chats using a PC.

6. Battery Instructions

The battery indicator will show:



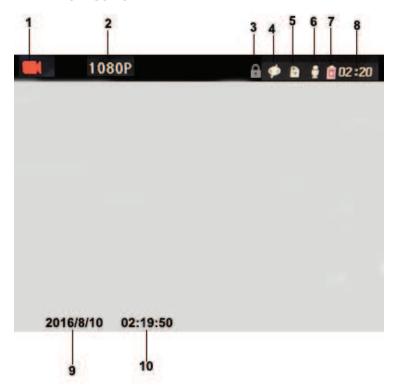
Turn on the vehicle power supply, and the charging time will be approximately 180 minutes. The red light charge indicator will turn off automatically once fully charged.

Note:

This DVR can work for an extended period when connected to the car's power input. The built-in battery is only for parking monitoring. Battery capacity is limited when not connected to the car's power, so connect to the vehicle's power for daily use.

7. **Reset:** If the DVR freezes or behaves abnormally, use a small needle to press the "RESET" button through the hole to reset the device.

DISPLAY INTERFACE ICONS



- 1. Tideo Icon
 - Photo Icon
 - ■Video Playback Icon
 - Motion Detection Icon
- 2. 1080P: Indicates the current video format size
- 3. Uideo Locked Icon
- 4. Parking Control Icon: Indicates parking control is active;
 - "Parking control off" icon when deactivated
- 5. Memory Card Icon
- 6. Recording Status: Recording active 4 / Recording off
- 7. Battery Power Display
- 8. **02:20**: Shows the current video time (user can adjust)
- 9. 2016-8-10: Shows the current date (user can adjust)
- 10. **02:19:50**: Shows the current Time (user can adjust)

SETUP MENU

Menu Option	Explanation	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 Off is chosen, the card will not be automatically overwritten
Mobile Detection	Standby, automatic video detection of a moving object	OFF, ON
White Balance	Adjust screen brightness	Automatic, Sunlight, Overcast, Tungsten Lamp, Fluorescent Lamp
Contrast	Adjust the color for the video	0, 1, 2, 3, 4, 5
Exposure	Adjust exposure to prevent underexposure	0, -1/3, -2/3, -1.0, 1.0, 2/3, 1/3, 2/3
Boot Video	Turn on automatic recording when the power is on	OFF, ON
Screen Protection	Set the time to turn off the screen	OFF, 3 minutes, 5 minutes, 10 minutes
Video Sound	Enable or disable video sound	OFF, ON
Parking Monitoring	Enable recording when external vibrations are detected while parked	OFF, ON
G-Sensor	Adjust collision sensitivity to prevent overwriting of important video files	OFF, 2G, 4G, 8G
Auto Power Off	Set automatic shutdown time	OFF, 3 minutes, 5 minutes, 10 minutes
Date	Set the date and time	Set year, month, day, hour, minute, second
Language	Choose the menu language	English, Simplified Chinese, Traditional Chinese, German, French, Polish, Korean, Italian, Portuguese, Russian, Spanish, Thai
Time Watermark	Display the date in the video	OFF, ON
Format	Delete all data on the storage card	Confirm, Cancel
Restore Factory Settings	Reset all settings to factory defaults	Confirm, Cancel
Version	Display the software version	Software version number

TROUBLESHOOTING

If you experience issues with the product under normal operating conditions, here are some solutions to common problems:

Cannot Boot:

- Check if the recorder is properly connected to the car charger. In manual boot mode, check if the battery is low and needs recharging.
- If needed, restore to factory settings using the RESET key.

Camera Automatically Stops Shooting or Non-Circular Recording:

- Large HD video files may cause the memory card reader to lag. Use a high-speed memory card (e.g., C10).
- Non-circular recording may also occur if the G-sensor is activated, causing the memory files to be locked. Disable the G-sensor function and reformat the memory card.

Camera Settings for Recycling Video Not Working as Expected:

Check if the mobile detection function is enabled. Motion detection depends on the absence of movement in the scene.

Video and Image Not Clear: Check if the lens has fingerprints. Clean the lens surface before recording to ensure clarity.

Inconsistent Video Quality: Camera effect is greatly influenced by lighting conditions and intensity. Adjust the settings as needed based on the environment.

Fringe Interference in Images: This is caused by "light frequency" errors under fluorescent lighting. Consider adjusting lighting or positioning.

Resetting the Device: Press the RESET button to restore the device to its initial settings.

Register Product

Thank you for choosing PyleUSA. By registering your product, you ensure that you receive the full benefits of our exclusive warranty and personalized customer support.

Complete the form to access expert support and to keep your PyleUSA purchase in perfect condition.



PyleUSA.com



Questions or Comments?

We are here to help!

Phone: 1.718.535.1800

PyleUSA.com/ContactUs