

GATOR

GHD5MA

FULL HD 1080P DASH CAM
REAR VIEW MIRROR +
REVERSING CAMERA



Manual



Screen Size



Resolution



Dual
Recording



Parking
Guides



Wide Angle



G Sensor



File Locking

Introduction

Thank you for purchasing the Gator GHD5MR dash cam rear view mirror. Please ensure that you have read the product manual and instructions in full, prior to installation and use. Failure to do so may result in product failure/damage or incorrect operation and therefore impact the product performance.

Product overview

This product is a Full HD dash cam rear view mirror, it can record high resolution video as well as high resolution pictures, using a micro SD card as the storage device. The Dash Cam has a recording resolution of up to 1920x1080 and it can also shoot 8 mega pixel still images. The rear camera has a recording resolution of up to 720x480.

ATTENTION: Please charge the unit for 4 hours before installing

Product features

Rear View Mirror

- 5" HD picture in picture LCD screen
- Dual recording
- Display screen setting adjustments
- Strap mount
- Operating voltage 12/24V
- Mini USB/AV-IN Interface
- Supports Micro SD card class10 up to 32GB
- Dimensions 285(L) x 97(H) x 45(D)mm

Dash Cam

- Full HD 1920 x 1080 @ 30 FPS
- 175 Degree view angle lens
- High dynamic range
- Parking mode
- G-Sensor function
- Adjustable lens angle
- Seamless cycle loop recording
- SOS lock function

Product features cont...

Rear Camera

720 x 480 resolution

120 Degree view angle lens

IP-67 Dust and water protection

Surface mount butterfly camera

Parking guide lines

CMOS Sensor

0.2 Lux

5.5 M extension cable with trigger

Cautions

- Do not put the Dash Cam into a damp working environment; The Dash Cam does not has any waterproof function.
- Do not try opening the shell or try to repair the Dash Cam by yourself. If the Dash Cam or the accessories have any problems, please take it to an authorized repair agent for repair.
- Do not use a chemical substance, solvent or cleaner to clean the Dash Cam, please use a moist soft cloth for cleaning your Dash Cam.
- Do not use the Dash Cam in dusty conditions.
- Please care for the environment, do not discard this machine randomly; do not throw the Dash Cam into a fire, as it may explode.
- Please pay attention to cleaning the lens surface, use a moist soft cloth to clean the lens before use, to avoid poor video footage.
- Remove protective film from camera lens before use.

Package components



GHD5MR



Reverse Camera



Camera power cable



USB to Mini USB



Car Charger

Product structure

- | | |
|--------------------------------|---------------------------------|
| 1. Power Button | 7. Display Switch Button |
| 2. Menu Button | 8. Mini USB port |
| 3. Record/Up Button | 9. AV IN/Rear Camera |
| 4. OK/Lock(SOS) Button | 10. Mini SD Slot |
| 5. MIC/Down Button | 11. Not Available in this Model |
| 6. Camera/Playback Mode Button | |

Installation of Dash Cam

1. Make sure the vehicle is turned off.
2. Insert the Micro SD card into the Micro SD card slot in the mirror.
3. Secure the Dash Cam Mirror over the existing vehicles factory mirror using the straps and tighten securely. Make sure the Dash Cam camera lens is not obscured by the factory mirror.
4. Insert Mini USB end of the in car charger into the Mini USB interface/ charging point of the Dash Cam. Place socket end of the car charger into 12/24V power socket of vehicle.
5. If you have installed the rear camera to the rear of the vehicle, pay attention to the direction of the installation. The cabling can be laid and hidden behind the vehicles roof lining. After completing the installation ,insert the plug in the Dash Cam's rear camera interface
6. Adjust the mounting bracket and rotate the camera direction to get the best view. Ensure $\frac{1}{4}$ of the vehicles bonnet is visible from the bottom of the screen for alignment.
7. Turn vehicles ignition to accessories, the Dash Cam will power ON and start recording automatically, you will hear an audible tone once powered.
8. A red circle on the screen will start flashing when recording.
9. A white flashing battery symbol will show when the Dash Cam is receiving power.
10. For the Dash Cam to work it must receive power from the car charger. Once power is removed or turned off the Dash Cam will save the current file and turn off.

Button instructions

Power Button:

When the Dash Cam is turned off, hold down the power button to turn it on. While the system is on, hold down the power button to turn it off. Pressing the power button once, while the unit is on, will turn off the display but Dash Cam will keep recording.

MENU Button:

Pressing this button once will open the menu for video settings. Press the menu button again to activate second menu for tool settings, press again to exit the menu.

Record/Up Button:

The Record/Up button is used to start recording in video mode. Pressing the button again in video mode will stop the recording. The up button is used while in the menu to move the highlighted area for selecting.

OK/Lock Button:

While recording, pressing this button will lock the current recording to ensure its not accidentally deleted. A lock icon will show when locked. The OK button is also used to select a setting in the menu.

Mic/Down Button:

The down button is used while in the menu to move the highlighted area for selecting. The down button can also be used to mute the MIC on the fly when recording.

Camera/Playback Button:

This button will take a picture either on standby or recording by simply pressing the button. If you would like to playback footage, hold down the button until it switches to playback mode.

Button instructions cont...

Screen Switch Button:

This button will allow you to switch between different types of display modes consisting of: Only front camera, only reverse camera, large view of front camera and small view of reverse camera (Picture in Picture) or large view of reverse camera and small view of front camera (Picture in Picture).

Micro SD Slot:

Where the Micro SD card is inserted (Max size is 32GB).

USB Interface:

The USB port can be used to charge the device or be connected to a computer for data transmission.

AV In:

Used to plug in the reverse camera.

Reset:

To hard reset the device in the case of a system jam or crash. (Reset hole on back of unit).

Extra functions

G-sensor Function:

The G-sensor function activates in the case of a car accident by determining the gravitational acceleration ($1g = 9.8 \text{ meters/second}^2$). When this function activates, the Dash Cam will save the accident footage in a non-deletable file in order to protect the footage. The G-sensor sensitivity can be adjusted to Off/High/Medium/Low in the settings menu.

Extra functions cont....

SOS Function:

Press the OK/Lock Button while recording in order to lock the currently recording video file so it is non-deletable file (A key symbol will be present if activated).

Ignition Auto Power On/Off:

When power is connected to the Dash Cam using the car charger it automatically turns on and starts recording. When the charger is disconnected, or car is turned off, the Dash Cam will automatically save the file and shutdown.

Reverse Camera & Dual record:

In order to fully utilise features of the Dash Cam, you can connect the reverse camera to the Dash Cam's AV input in order to have the reverse camera record while the Dash Cam's camera records on the front. They record and save the footage in two different folders on the SD card. If you want to have your reverse camera turn on and display on screen while the car is in reverse, connect the positive and negative wires to the reverse lights in your car. This will also turn the LED lights on the reverse camera when the car is in reverse. It will also display a full picture of the reverse camera on the Dash Cam screen with parking lines while reversing. When in reverse mode parking lines will display for guidance.

Powering on and off the device:

To turn on the Dash Cam press the power key once, the red indication lamp will be light up if it is connected to a power source. To turn it off, hold down the power button and the device will turn off.

WARNING: The device will automatically turn off once the battery hits critically low levels.

Basic instructions for video and photo operation

Photo Mode:

Stop recording and press Camera/Playback Mode Button. There is a camera icon at the top left corner of the LCD to signify you are in photo mode. To take a photo, press the OK/Lock(SOS) Button. The screen will flash and make a camera sound when a picture is taken. Using up down buttons allows you to zoom in and zoom out. Pressing the Menu button in photo mode will allow you to adjust the photo resolution, image quality and other photo settings. Pressing the Display Switch Button allows you to adjust exposure compensation.

Video Playback:

Stop recording and press Camera/Playback Mode Button twice to switch to video mode. There is a movie icon at the top left corner of the LCD to signify you are in video playback mode. Press up and down buttons to scroll through footage. For playback press the OK/Lock(SOS) Button. Whilst playing use up and down keys to increase and decrease volume. Press Menu button to access the playback functions, Delete, Protect and slide-show. The protected files have a lock icon meaning they cannot be deleted until unlocked. To lock and unlock, highlight Protect using up and down arrows, press OK/Lock(SOS) Button to initiate settings.

USB mode

When connecting a USB cable with a PC, the Dash Cam will present two options. 'Open USB Storage Device' allows you to transfer your videos and photos to your PC. Charge mode simply charges your Dash Cam.

Menu settings

Press the Menu button to get into the menu settings. You can navigate the settings menu by using the Up/Down buttons. To change or edit a selected setting, press the OK button. Press the menu button again to exit the menu settings.

Menu setting features explained (Video Settings)

Resolution: For best quality 1080P is recommended.

Dual Recording: Turn on to allow for recording of both Dash Cam and reverse camera simultaneously when reverse camera is attached.

Loop recording: This feature allows you to set the size of the files your Dash Cam will record before saving and creating a new file. We recommend the Dash Cam to be set to '3' minute files.

HDR (High Dynamic Range): High Dynamic Range can allow for better quality footage in areas where both bright light and no light are present.

Exposure: This feature will change the white input. We recommend it always be set at '+0.0'.

Record Audio: This Feature will allow you to turn the Dash Cams recording sound on or off. If you want to stop the Dash Cam recording sound in the cab of your vehicle, set this feature to 'off'.

Date Stamp: This feature will stamp the date and time on all your footage produced by your Dash Cam.

G Sensor: This feature allows you to set the sensitivity of the Gravity sensor in the Dash Cam. We recommend this be set to 'Medium' to help stop false or irrelevant readings.

Menu setting features explained (Tools Settings)

Date/Time: This feature will allow you to change the year, month, day and time. To change the date, use the arrow keys on the highlighted square starting with year. Then press the OK/Lock(SOS) button to move to the next date. Once finished, simply press the Menu button to save it.

Car No: This feature allows you to put the name of the vehicle user or number plate in the Dash Cam. To turn on press Camera/Playback Mode Button and press to highlight either Alpha & Numerical keys. You can change the character by using the arrow buttons. Press the OK/Lock(SOS) button to go back to changing the position. Press the Menu button to finish.

Parking Monitor: When enabled, the Dash Cam will automatically turn on and start recording when it detects an impact with your vehicle. This is mainly used when the car is parked and someone else hits your vehicle. A car icon on the bottom right of the screen signifies it is turned on.

Beep Sound: Allows you to turn the button beeping sound on or off.

Language: Allows you to choose from a selection of languages that include: English, French, Spanish, Portuguese, Dutch, Italian, Chinese Simplified, Chinese Traditional.

TV Mode: We recommend this be set to 'PAL' as PAL is the Australian standard line frequency.

Frequency: This feature allows the best recording in conditions where street lights and ac lighting is used. The Australian standard frequency is 50HZ so it should be set to '50hz'

Menu setting features explained (Tools Settings) cont...

Backlight: This feature will turn your LCD off after 1, 3 or 5 minutes but will continue to record regardless. This feature is useful for night driving when the LCD on as it could be a distraction.

Format: This feature allows you to format/delete all the files off your micro SD card and also reinstalls your DCIM directory and Dash Cam software on your SD card so the micro SD card can operate with your Dash Cam free of errors.

Default Setting: This feature will reset all your settings and return your Dash Cam to the factory standard settings.

Version: This simply shows the firmware/software employed by the Dash Cams hardware.

Infringement of copyright warning

Please note that this product is for personal use only, the method of use shall not violate the goods, or infringe on domestic or international copyright laws. Recorded images are for personal use only, please note that in some cases to use this product to record performances, exhibitions or business activities may infringe the copyright or other legal rights and interests of others.

Product specifications

G-sensor	Built-in(saves files in case of an emergency, and cannot be deleted if a vehicle collision occurs)
LCD Size	5-inch LCD screen
Dash Cam Lens	175 Degree Wide Angle
Rear Camera Lens	120 Degree Wide Angle
Language	English, French, Spanish, Portuguese, Dutch, Italian, Chinese Simplified, Chinese Traditional
Video Format	MP4
Video Resolution	Dash Cam Camera: 1080FHD 1920 x 1080, 720P 1280 x 720. Reverse Camera: 720x480
Video Codec.	H. 264, Audio: AAC
Loop Recording	Recording with seamless
Auto turn on/off	Supported
Year/Month/Day/ Hour/ Minute	Supported
Still images	Photo resolution: 8MP
Parking mode	Supported
Photo Format	JPEG
Memory Card	Micro SD (up to 32GB Max)
MIC	Supported
Built-in Speaker	Supported
USB Function	1. Storage 2.Charge
Power Interface	5V 1.0A
Accessories	12/24v Car charger, USB cable

Troubleshooting guide

Under normal operating conditions, if there are problems with the device, please refer to the following methods to resolve.

Cannot take pictures or record video?

Please check whether there is enough space on the micro SD card or internal storage.



Stopping automatically while recording?

Due to the high amount of HD video data being recorded, please use a high-speed Micro SD card. To tell if you have the required high speed card, check if it has the 'Micro SDHC' logo on the SD card and 8GB class 10 or above is recommended. Make sure that your card is labeled Micro SDHC and not Micro SDXC as SDXC cards will not work with this Dash Cam.

Fuzzy/dirty image?

Please check if the lens is filled with dirt or fingerprints and clean carefully. Please clean lens with cloth before shooting.

The DASH CAM is jammed or not responding?

Please reset the device by pushing in the reset button on the back of the Dash Cam.

Why does battery go flat in the Dash Cam?

The Dash Cams battery must be frequently charged once a week if the car is not in use.

Why does the time and date reset?

The time resets when the Dash Cam's battery is flat. Make sure the Dash Cam is always charged in order to keep date and time.

Why is the DASH CAM not turning on in the car?

Please check and make sure that there is power in the cigarette lighter socket of your car.

Micro SD card not recognized by DASH CAM?

Format card in the Dash Cam's menu setting's before use.

Technical assistance

If you need assistance setting up or using your Gator product now or in the future, call Gator Support.

Australia

TEL: 03 – 8587 8898

FAX: 03 – 8587 8866



Mon-Fri 9am – 5pm AEST

Please retain this user guide for future reference.

If you would like to download a digital copy of this manual, or other Gator manuals/software, please visit the <http://gatordriverassist.com> website and click on 'Firmware & Manuals' for information on where to find the manuals/software.

This manual is considered correct at time of printing but is subject to change. For latest manuals and updates refer to the website.

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