

# Polaris G50 Dash cam incident recorder.

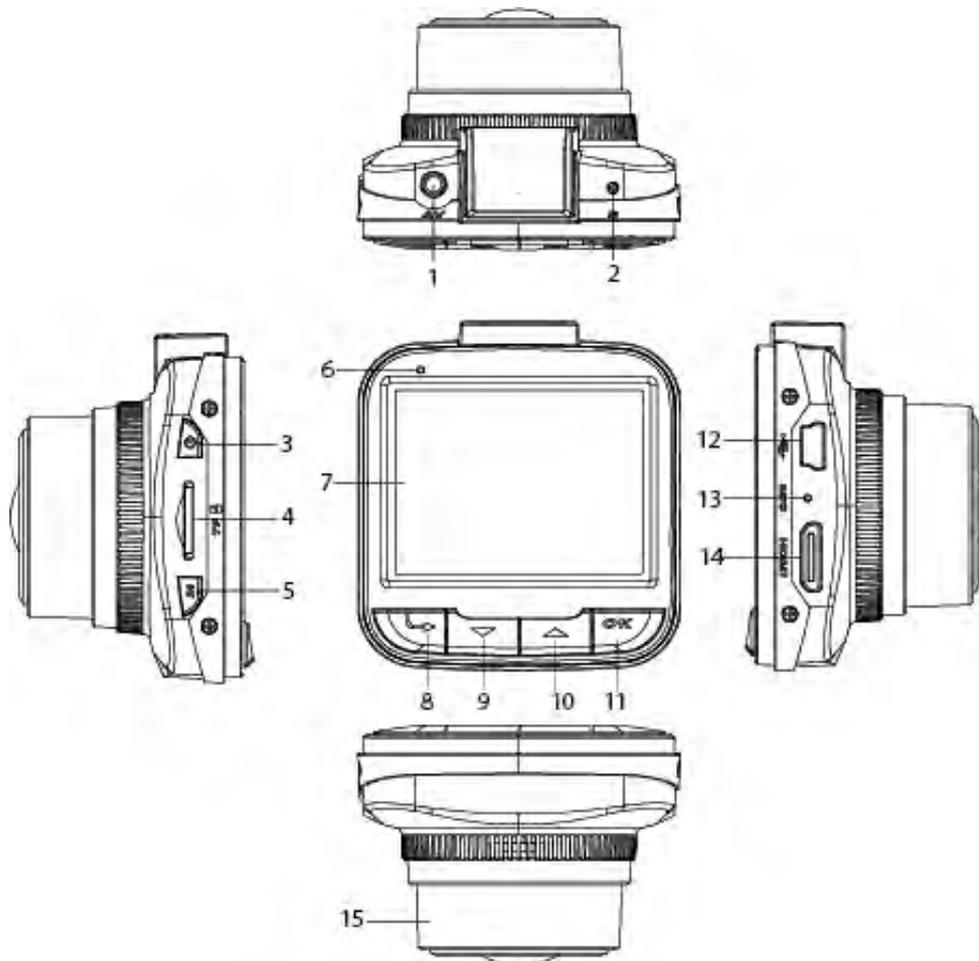
## Operation manual – Quick Guide

Thank you for purchasing the Polaris G50 DVR. The Polaris G50 DVR is a great product for capturing adventures and incidents both on and off the road. This operation manual will guide you through each setting to allow you to setup the best quality videos and photos.

### Packing List

QTY	Item
1	G50 DVR dash cam recorder
1	Cigarette lighter adaptor
1	8 GB Micro SD card
1	Suction cup mount
1	HDMI cable
1	USB cable
1	Operation manual

### Getting to know your device

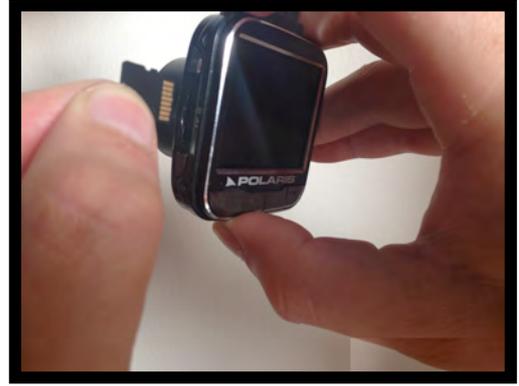


<b>No.</b>	<b>Name</b>	<b>Description</b>
1	AV- out	
2	Reset Button	Will reset the unit
3	Power	Use this button to switch the unit on and off
4	Micro SD card slot	Insert your micro SD card into this slot.  The unit is supplied with an 8 GB Micro SD card. The unit can take a maximum of 32 GB micro SD card.
5	Menu	Brings up the menu of your selected mode (e.g. video, photo or playback mode menu).  Toggles between the settings of your selected mode and the device settings.  Exits out of menu mode.
6	Indicator Lamp	To show power status
7	LCD screen	2.0" LCD screen
8	Mode Button	Use this button to toggle between video, still and playback mode
9	Down arrow	Use this button to scroll down to desired setting
10	Up arrow	Use this button to scroll up to desired setting
11	Ok button	Use this button to select your desired setting  This button will also stop / start recording
12	USB input	Connects to either the cigarette lighter adaptor or the USB cable supplied.
13	Microphone	Microphone for audio recording
14	HDMI input	Connects to the HDMI cable supplied so that it can be plugged into an external device (e.g. Television)
15	FHD Lens	

## Inserting your SD Card



1. Hold the unit so that the buttons and screen are facing towards you



2. Line the SD card up with SD card slot on the left hand side of the unit. Make sure the metal prongs are facing towards you.

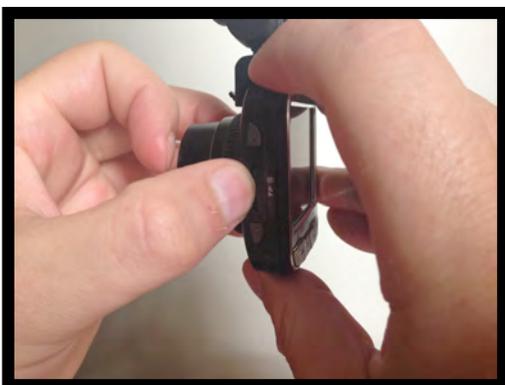


3. Insert SD card



4. Push the SD card in all the way until you hear it click into the slot

## Removing the SD card



1. Push on the SD card in the slot to release.



2. Remove SD card

# A few things to know before getting started

## About recording

When the device is switched on, it will automatically start recording. If you wish to stop the device from recording, press ok

If you wish to start recording, press ok

## About the different modes:

There are three different modes within the software – video, still and playback mode. To toggle between the three different modes, press 

## About the different menus:

The mode selected will determine which menu will be displayed on the screen when the menu button is pressed.



Video mode menu



Still mode menu



Playback mode menu

When the menu button is pressed, the selected mode's menu will display on the screen. To switch over to the device settings menu, simply press the menu button again (the device settings are the same, regardless of which mode you are in).

**Please note:** the menu button will not engage if the device is recording.

## Video mode

When the device is turned on, the device will start recording instantaneously. To stop recording, press the ok button. To start recording again, press the ok button.

The video resolution that is chosen will determine how much recording time you will get out of the SD card, for example the lower the resolution the more storage that will be available on the SD card.

## Video mode Settings

To bring up the video mode settings, please ensure that you are already in video mode (please see *'about the different modes'*).

1. Press the menu button once to bring up the video mode features
2. Use the up/ down buttons to choose which feature you would like to set
3. Press ok, once the desired feature you wish to setup is highlighted
4. A sub menu will display on the screen
5. Use the up / down buttons to select your desired setting
6. Press ok once the desired setting has been chosen

## List of video mode settings

Settings	Description	Comments
<b>Resolution</b>	Set your desired resolution.	<b>Options:</b> 1080FHD – 1920 x 1080 720P – 1280 x 720 WVGA - 848 x 480 VGA - 640 x 480
<b>Loop Recording</b>	This feature will allow you to set up an automatic continuous loop in 1, 3, 5 or 10-minute intervals.	This feature is ideal if you are using the device purely as an incident recorder. For example, if you set the loop recording to 10 minutes, the device will record in lots of 10-minute intervals. Once the SD card is full, the device will then start recording over the 10-minute intervals from the beginning.
<b>WDR</b>	Set Wide dynamic Range on or off	Ideal for use at night to capture high quality video where bright and dark conditions occur together. Also ideal for capturing number plates at night.

<b>Exposure</b>	Set your desired exposure	<b>Options:</b> +2.0 +5/3 +4/3 +1.0 +2/3 +1/3 +0.0 -2/3 -1.0 -4/3 -5/3 -2.0
<b>Motion Detection</b>	Set motion detection on or off	If this feature is turned on, the unit will detect motion, such as a high impact accident, and will automatically start recording. It will continue to record for 30 seconds. If the G sensor has detected a high amount of motion, it will automatically lock the video so that it cannot be overwritten.
<b>Record Audio</b>	Turn audio recording on or off	
<b>G Sensor</b>	Set G Sensor to off, high, medium or low	This setting will determine how effective the G sensor performs when detecting motion.
<b>Date Stamp</b>	Turn date stamp on or off	This feature is to simply turn date stamp on or off. To set the time and date, please refer to device settings

## Still Mode

Still mode allows you to capture photos with the G50 DVR.

When in still mode, simply press ok to take a photo.

## Still Mode Settings

To bring up the Still mode features, please ensure that you are already in still mode (please see '*about the different modes*').

1. Press the menu button once to bring up the still mode features
2. Use the up/ down buttons to choose which feature you would like to set
3. Press ok, once the desired feature you wish to setup is highlighted
4. A sub menu will display on the screen
5. Use the up / down buttons to select your desired setting
6. Press ok once the desired setting has been chosen

## List of Still mode settings

Settings	Description	Comments
<b>Capture Mode</b>	Use this setting to set up a timer or capture photos manually	<b>Options:</b> Single 2s timer 5s timer 10s timer
<b>Resolution</b>	Set your desired resolution	<b>Options:</b> 5M - 2592 x 1944 3M - 2048 x 1536 2MHD - 1920 x 1080 VGA - 640 x 480 1.3M - 1280 x 960
<b>Sequence</b>	Turn sequence on or off	This setting allows you to take a sequence of three photos.
<b>Quality</b>	Select your desired quality setting	<b>Options:</b> Fine Normal Economy

<b>Sharpness</b>	Select your desired sharpness setting	<b>Options:</b> Strong Normal Soft
<b>White Balance</b>	Select your desired white balance setting	<b>Options:</b> Auto Daylight Cloudy Tungsten Fluorescent
<b>Colour</b>	Select your desired colour setting	<b>Options:</b> Normal Sepia Black & White
<b>ISO</b>	Select your desired ISO setting	These settings are to reduce the camera sensor's sensitivity to light
<b>Exposure</b>	Select your desired exposure.	<b>Options:</b> +2.0 +5/3 +4/3 +1.0 +2/3 +1/3 +0.0 -2/3 -1.0 -4/3 -5/3 -2.0
<b>Anti-shaking</b>	Set Anti shake on or off	If this feature is switched on, it will allow you to manually take photos by hand and will compensate for any blurriness by taking them at slower shutter speeds
<b>HDR</b>	Set High Dynamic range on or off.	This feature is ideal for capturing photos where bright and dark conditions occur together.
<b>Date Stamp</b>	Set date stamp on or off	This feature is to simply turn date stamp on or off. To set the time and date, please refer to device settings.

# Playback Mode

Playback mode will allow you to view the photos and videos that you have captured on the device.

This feature is a good way to ensure that the device has captured the footage that you need instantaneously, without having to retrieve it via an external device.

## How to view your current data on the device

Once in playback mode you can scroll through your data using the up/down arrows.

To play your desired video press ok

To stop the video press ok

## Playback settings

To bring up the playback mode settings, please ensure that you are already in playback mode (please see '*about the different modes*').

1. Press the menu button once to bring up the playback mode settings
2. Use the (up/ down) buttons to choose which feature you would like to set
3. Press ok, once the desired feature you wish to setup is highlighted
4. A sub menu will display on the screen
5. Use the (up / down) buttons to select your desired setting
6. Press ok once the desired setting has been chosen

## List of Playback mode settings

Settings	Description	Notes
Delete	Delete specific data	<b>Options:</b> Delete current Delete all
Protect	Protect specific data	<b>Options:</b> Lock current Unlock current Lock all Unlock all
Slideshow	View a slideshow of the data	<b>Options:</b> 2 seconds 5 seconds 8 seconds

## Device Settings

Regardless of which mode you are in, the device settings are the same.  
To access the device menu press the menu button twice.

### List of Device Settings

Settings	Description	Notes
Date / time	Set your date and time	To change a setting press the up/down arrow button and press ok to move across to the next setting
Licence no set	Set your licence plate number so that it will display on the recorded date	To change a setting press the up/down arrow button and press ok to move across to the next setting
Auto Power Off	Use this setting to automatically shut the system down if no buttons have been pressed within a certain amount of time.	<b>Options:</b> Off 3 minutes 5 minutes 10 minutes
Beep Sound	Turn the beep sound on or off when a button is pressed	
Language	Select your desired language	
TV mode	Select your desired TV mode	<b>Options:</b> PAL NTSC
Frequency	Select your desired frequency	<b>Options:</b> 50 Hz 60 Hz
Screen protection	Does not power unit off but shuts the screen down after a certain amount of time	<b>Options:</b> Off 3 minutes 5 minutes 10 minutes
Format	Not available	Will only record data if an SD card is inserted into the unit
Default Setting	Use this setting to restore the unit back to its original factory settings	
Version	View the software version	

# How to retrieve data on external devices

## Playing the videos

Important: to play the videos on your computer we recommend installing VLC media player. It is a free player that you can download from the internet. We have found that some media players (such as quick time and windows media player) do not present the videos in high quality and you may experience some lagging in the video.

## Accessing the data

### Computer via SD card

#### Windows

1. Simply insert the SD card into your computer or an SD card reader (If you do not have a micro SD card input, then please use the SD card adaptor provided. This will allow you to insert the card into a standard size SD card slot.
2. The SD card should automatically open, if it does not automatically open, go to my computer and find the removable disk
3. Double click the DCIM folder
4. Open your desired folder
5. Once you have found your data, you can simply drag and drop into a selected folder on your computer.

#### Mac

6. Simply insert the SD card into your computer or an SD card reader (If you do not have a micro SD card input, then please use the SD card adaptor provided. This will allow you to insert the card into a standard size SD card slot.
7. The SD card should appear as NO NAME on your desk top, double click on it.
8. Double click the DCIM folder
9. Open your desired folder
10. Once you have found your data, you can simply drag and drop into a selected folder on your computer.
11. Make sure that you eject NO NAME properly before removing it, so that it does not damage your computer or the SD card.

## **Computer via USB**

### **Windows**

1. Plug USB cable into G50 DVR and the other end into your USB input
2. Select Mass storage on the G50 DVR
3. Your computer will detect new hardware, please follow prompts to install the new hardware correctly
4. Once it has installed, go to My computer
5. Double click your removable disk drive
6. Double click the DCIM folder
7. Open your desired folder
8. Once you have found your data, you can simply drag and drop into a selected folder on your computer.

### **Mac**

1. Plug USB cable into G50 DVR and the other end into your USB input
2. Select Mass storage on the G50 DVR
3. An icon should appear on your desktop with the title NO NAME, double click on it.
4. Double click the DCIM folder
5. Open your desired folder
6. Once you have found your data, you can simply drag and drop into a selected folder on your computer.
7. Make sure that you Eject NO NAME properly before removing it, so that it does not damage your computer or the device.

## **HDMI**

You can use the HDMI cable to hook up to an external device that has a HDMI input (for example a TV).

Simply use the HDMI cable provided.

Plug one end into the G50 DVR and the other end into your HDMI input.

Once you have selected the HDMI source on your external device, it will simply mirror your G50 DVR. For example, if you plug the device into your Television, your Television screen will now look exactly the same as the software on your G50 DVR. To view your data, you will have to enter playback mode on the G50 DVR. Please refer to playback mode if unsure of how to utilise this function.

## Specifications

Product Feature	Technical specifications
G- Sensor	Built in – will save footage if it detects high impact accident and cannot be overwritten
LCD Screen size	2.0 inch
Lens	170 degree high definition ultra wide lens
Language	English, Russian, Chinese (simplified), Chinese (traditional), Korean, Japanese etc.
File Format	MOV.
Video resolution	1920 x 1080 30 fps
Video codec	H.264
Colour	Black
Automatically power on/off	Supports Auto ignition power on and off
Motion Detection	Supports
Time synchronization	Supports
Photo mode	12M
Photo format	JPEG
Memory Card	TF (max 32 GB)
Loudspeaker / MIC	Supports
Built in sound	Supports
Video Format	PAL / NTSC
Frequency	50Hz/60Hz
Power Interface	5V 1.5A
Battery	Built-in 90mAH

If you have any enquiries about your Polaris G50 DVR dash cam recorder, please give us a call on 1300 555 514 or email us at [sales@poron.com.au](mailto:sales@poron.com.au)

