



READ ME  
FIRST

# Navigator HD Dash Camera

Portable Vehicle Recorder with GPS Tracking



**FULL  
HD**



EN

## Instruction Manual

# About this Manual

The content in this manual is for information purposes only and is subject to change without notice. While every effort is made to ensure that this manual is accurate and complete at the time of printing, no liability is assumed for any errors and omissions that may have occurred. As we're constantly making improvements to our products, firmware, software and user manuals, we reserve the right to change the information without prior notice. For the latest version of this user manual, please visit: [www.swann.com](http://www.swann.com)

## FCC Statement

This equipment has been tested and found to comply with the limits for 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 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 the 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

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.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## Disposal and Recycling Information



This symbol on the product or on the packaging indicates that this can not be disposed of as a household waste. You must dispose of your waste equipment and/or battery by handling it over to the applicable take-back scheme for the recycling of electrical and electronic equipment and/or battery. For more information about recycling of this equipment and/or battery, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.

# CE Regulatory Notice

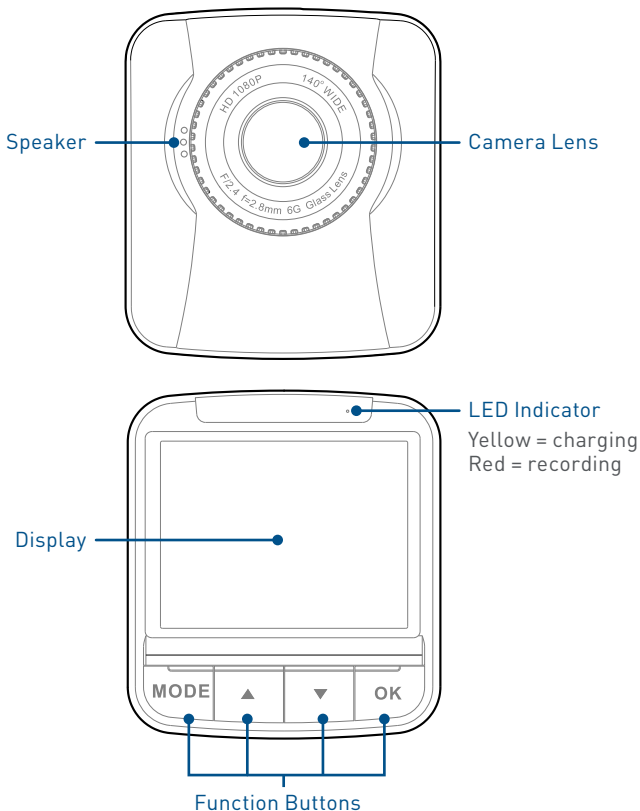
This equipment complies with the requirements set out in the Council Directives on the Approximation of the Laws of the Member States relating Electromagnetic Compatibility of Radio and Telecom device (1995/5/EC); the Low Voltage Directive (2006/95/EC); the Restriction of The Use of Certain Hazardous Substances in Electrical And Electronic Equipment Directive (2002/95/EC), Turkish EEE Directive; the Commission Regulation (EC) No 1275/2008 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to eco-design requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment, and the Directive 2009/125/EC of the European parliament and of the council establishing a framework for the setting of eco-design requirements for energy-related products.

## Important Safety Notice

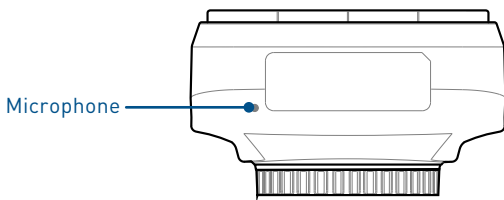
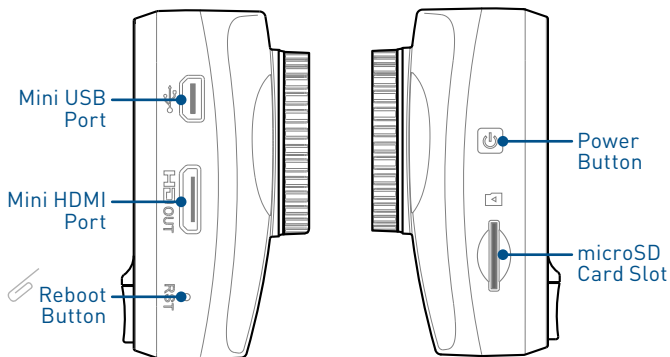
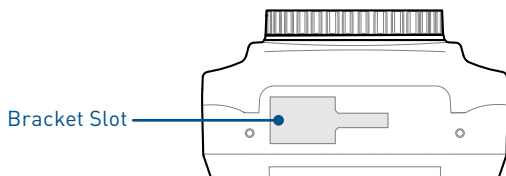
- Use the authorized charger only.
- Never attempt to disassemble or repair of this device. Doing so may damage the device, cause electric shock and void your warranty.
- Never short-circuit the battery.
- Set up time and date accurately before you use this device.
- Exposing the device to open flames can cause explosion.
- Due to local laws and vehicles safety considerations, do not manually operate the device while driving.
- The results of GPS positioning are only for reference, and should not affect the actual driving situation. This feature cannot ensure the location accuracy.
- GPS location accuracy may differ depending on weather and location such as high buildings, tunnels, undergrounds, or forests. GPS satellite signals cannot pass through solid materials (except glass). Tinted window may affect the performance of the GPS satellite reception.
- The values displayed in this system, such as speed, position, and the distance warning to the speed camera set points, may be inaccurate due to the influence of surrounding environment. They are for your reference only.
- Swann is NOT responsible for the loss of any data/content during operation.

# GETTING STARTED

## Camera Overview

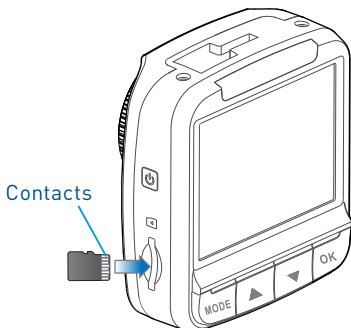


Use these buttons to perform operations corresponding to the icons displayed on the bottom of the screen



## Camera Setup

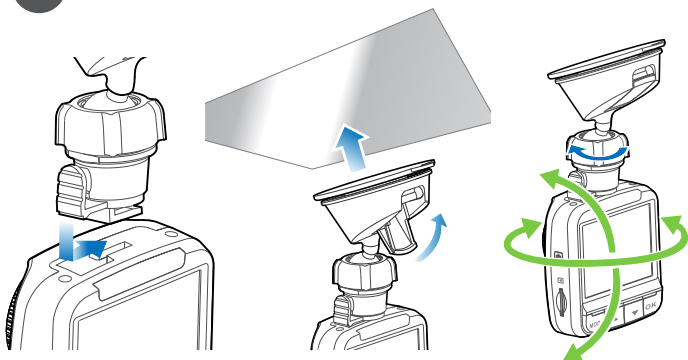
### 1 Insert a microSD memory card



### Notes

- Do not remove or insert the microSD card when your camera is powered on. This may damage the card.
- Your camera supports microSD cards of up to 32GB in capacity. To ensure smooth performance and plenty of room for recording long journeys, we recommend using a memory card rated class 6 or above, with at least 8GB in capacity.
- We do not guarantee compatibility with microSD cards from all manufacturers. Only use good quality microSD cards from reliable sources.
- You should format the microSD card before first using it with your camera. Go to **Settings screen > Device tab > Format Card**.
- When you format a microSD card, all data on the card is permanently deleted. Be sure to copy all data you want to keep to another storage device before formatting the card.

## 2 Mount to vehicle

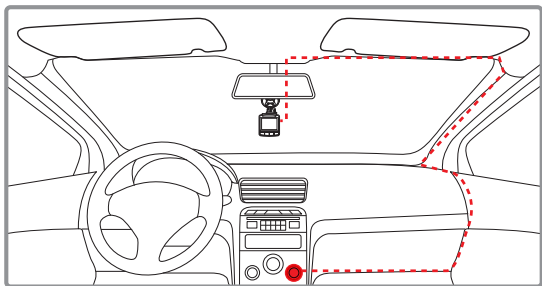


### Notes

- To obtain the best open-field view, install your camera above the center of the dashboard near the rear-view mirror.
- Never install the camera in a location that will block your view of the road, interfere with the mirror or controls, or obstruct the airbag.
- Clean the windshield area where you will be mounting your camera with an alcohol/cleaning wipe before attaching the suction cup mount.
- Be sure to peel off the protective film from the suction cup.
- Do not touch the camera lens with your fingers. Finger grease may be left on the lens and will result in unclear videos or snapshots. Clean the lens on a regular basis.
- When adjusting viewing angle, aim your camera slightly towards the ground with less sky in view to reduce lens glare when your vehicle is facing the sun.

### 3 Connect to power

Plug the USB power adapter into the cigarette lighter socket in your vehicle, and then connect to the mini USB port on your camera using the 4 meter USB charging cable.



Your camera turns on and off automatically with the start and stop of your vehicle engine. See "**Using your camera: Turning on and off**" on page 9.

#### 📍 Notes

- Some newer vehicles are equipped with accessory USB power ports. If your vehicle has one available, you can also use this to directly connect your camera with the USB charging cable.
- Use cable clips (not included) to secure the USB charging cable and keep it neatly tucked out of the way.



# USING YOUR CAMERA

## Turning on and off

- Starting the engine will automatically turn on your camera that is connected via the USB power adapter / port in your vehicle.
- Your camera goes into Video mode and starts recording immediately after it powers up. See "**Video Mode**" on page 10.
- Once you have reached your destination and the engine stops, your camera will automatically save the recording to the memory card and turn off after 10 seconds.
- Your camera can also be manually powered using its built-in rechargeable battery. When your camera is not connected to any power source, press the **Power** button to turn it on. To manually turn the camera off, press and hold the **Power** button for 2 seconds.
- Be sure to fully charge your camera first if you plan to bring it out without the power supply. Your camera is capable of recording up to approximately 15 minutes of HD video on a fully charged battery.

## Notes

- Before using your camera for the first time, be sure to set the date and time. Go to **Settings screen > Device tab > Clock Settings**. Having the correct date and time ensure recorded events are properly time stamped for evidence.

## Video Mode



Your camera automatically starts capturing HD (High-Definition) quality videos once it powers up in your vehicle.



### The Video Mode screen






The status bar at the top of the screen instantly provides you with information about video resolution, available recording time, GPS connectivity, active features, and memory card & battery status.

### Recording videos



- By default, your camera runs in loop recording mode whereby it continuously records video clips in 5 minute intervals and automatically overwrites the oldest, non-protected video files for new recordings when the memory card is full. The  icon in the status bar indicates that continuous loop recording mode is enabled.
- You can change the duration of each video clip or even turn off loop recording completely. Go to **Settings screen > Video tab > Movie Clip Time**.
- The  **REC** icon appears in the status bar and the LED indicator above the display turns solid red while recording is in progress.

- You can take a snapshot without interrupting the video recording by pressing . You can view your snapshots on the **Photo Album** screen in Photo mode - see **page 14**.
- You can manually stop an ongoing recording by pressing . Check the time label icon in the status bar to see how much recording time is available based on the current video quality setting. To start a new recording, press **REC**.
- Motion Detection recording is available when your car is parked. For more information on how to enable this feature, see "**Motion Detection**" on **page 19**.

## Protecting videos

- If you have just captured something important on the camera and want to protect the relevant video clips, simply press . The  icon appears in the status bar. Your camera locks the previous and current video clips of the ongoing recording so they do not get overwritten.
- Your camera can also automatically detect collisions and hard brakings using its integrated G-sensor, and activate the  function. To enable the G-sensor feature, go to **Settings screen > Video tab > Protect Level** and select the sensitivity level.

## Audio recording



- By default, ambient sounds are recorded through the camera's built-in microphone. You can turn off audio recording by pressing . The  icon appears in the status bar when audio recording is disabled.

## GPS connection

- The GPS icon turns green once a fix on your location is established. The GPS works best when it has a clear view of the sky to receive signals from the satellites.

## Viewing and managing videos

When your camera is on standby, press ► to display the **Video Playback** screen. Thumbnails for your video clip recordings are shown on the screen.

- To browse and select video clips, press ◀ or ►. Protected video clips are displayed with the  icon and have the label "SOS" appended to the filename.
- To play a video clip, press ►||. During playback, you can adjust the volume by pressing ◀- or ▶+, and pause the video by pressing ►||.
- To manage your video clips, first select a video clip and then press and hold  until the **File Management** screen appears. Press **OK** to access the menu. You can do the following from the **File Management** menu:





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### To...

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Delete the selected video clip	Choose <b>Delete One</b> and press <b>OK</b> . <i>Protected video clips cannot be deleted. Remove file protection from the video clip first.</i>
Delete all video clips currently on the memory card	Choose <b>Delete All</b> , press <b>OK</b> and then confirm your choice by choosing <b>Yes</b> . <i>A notification is displayed if the memory card contains any protected clip. The notification will remain on the screen until all unprotected clips have been deleted. This can take up to a minute.</i>

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To...	
Protect the selected video clip	Choose <b>Protect One</b> and press <b>OK</b> . The  icon appears on the selected video clip thumbnail.
Protect all video clips currently on the memory card	Choose <b>Protect All</b> , press <b>OK</b> and confirm your choice by choosing <b>Yes</b> . The  icon appears on all video clip thumbnails.
Unprotect the selected video clip	Choose <b>Unprotect One</b> and press <b>OK</b> . The  icon is removed from the selected video clip thumbnail.
Unprotect all video clips currently on the memory card	Choose <b>Unprotect All</b> , press <b>OK</b> and confirm your choice by choosing <b>Yes</b> . The  icon is removed from all the video clip thumbnails.

- To return to the **Video mode** screen, press .



## **Note**

- Deleted videos cannot be recovered. Copy important videos to a computer or other storage device before deleting. See "**Connecting to a computer**" on page 16.

## Photo Mode

In addition to HD video recording, you can use your camera to capture super clear photos wherever you go.

### The Photo Mode screen

When your camera is on standby, press  to toggle to  Photo mode.









Icons tell you about picture resolution, number of images remaining and memory card & battery status.

### Taking photos

To take a photo, simply press .

### Viewing and managing photos

- To browse and view photos (you can also view photos taken during a video recording), press . This displays the **Photo Album** screen.
- To manage your photos, first select a photo and then press and hold  until the **File Management** screen appears. Press **OK** to access the menu. You can do the following from the **File Management** menu:

To...	
Delete the selected photo	Choose <b>Delete One</b> and press <b>OK</b> . <i>Protected photos cannot be deleted.</i> <i>Remove file protection from the photo first.</i>
Delete all photos currently on the memory card	Choose <b>Delete All</b> , press <b>OK</b> and confirm your choice by choosing <b>Yes</b> . <i>A notification is displayed if the memory card contains any protected photo. The notification will remain on the screen until all unprotected photos have been deleted. This can take up to a minute.</i>
Protect the selected photo	Choose <b>Protect One</b> and press <b>OK</b> . The  icon appears on the selected photo thumbnail.
Protect all photos currently on the memory card	Choose <b>Protect All</b> , press <b>OK</b> and confirm your choice by choosing <b>Yes</b> . The  icon appears on all photo thumbnails.
Unprotect the selected photo	Choose <b>Unprotect One</b> and press <b>OK</b> . The  icon is removed from the selected photo thumbnail.
Unprotect all photos currently on the memory card	Choose <b>Unprotect All</b> , press <b>OK</b> and confirm your choice by choosing <b>Yes</b> . The  icon is removed from all the photo thumbnails.

- To return to the **Photo mode** screen, press .


## **Note**

- Deleted photos cannot be recovered. Copy important photos to a computer or other storage device before deleting. See **"Connecting to a computer"** on page 16.

## Connecting to a computer

You can transfer your HD video recordings and photos on the memory card to a computer. Use the short USB data cable included with your camera to make the connection.

### Notes

- The first time you use a USB connection, your computer will install the appropriate USB drivers.
- The  USB icon appears on the camera display once your camera has successfully connected to your computer via the USB data cable.
- Once connected, you can also use the Navigator GPS software (see **"Navigator GPS" on page 22**) on your computer to view your recordings and review any captured GPS information.

## Connecting to a TV

You can see your HD video recordings and photos on your HD TV or monitor. Simply connect a compatible HDMI cable (not included) from the HDMI port on your camera to the HDMI port on your TV.


### Note

- Use a cable with a mini HDMI connector on one end for the camera, and a standard HDMI connector on the other end for your TV.

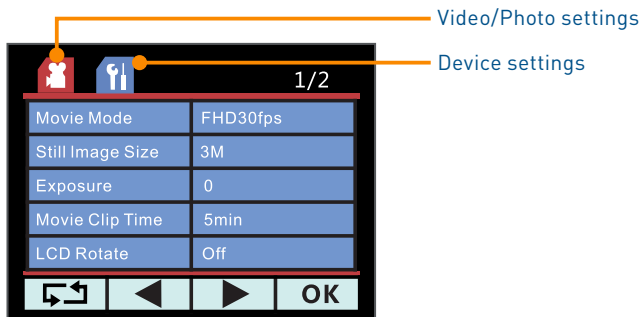


# CAMERA SETTINGS

You can customize video, photo and other various camera settings via the **Settings** screen.



Press  (when your camera is on standby) until the **Settings** screen appears.

## The Settings screen



The **Settings** screen is organized under two menu tabs:


-  Video/Photo
-  Device

Press  or  to select the menu you want to access, and then press **OK**.



## Video/Photo Settings

The **Video Settings** menu contains the following options:

Options	
<b>Movie Mode</b>	Select the resolution of the video recordings.
<b>Still Image Size</b>	Select the resolution of the captured photos. The higher the resolution, the more detailed the captured photo. <b>Note: Higher resolution photos take up more memory storage.</b>
<b>Exposure</b>	Change the exposure value to improve image brightness in low light conditions.
<b>Movie Clip Time</b>	Set the length of each video clip in loop recording mode.
<b>LCD Rotate</b>	Flip the camera display vertically. This is useful if you intend to mount the camera upside down.
<b>Protect Level</b>	Customize the sensitivity level of the G-sensor to automatically detect sudden impact and activate the  (Lock) function to protect important video clips from being overwritten. By default, the G-sensor is disabled ( <b>Off</b> ).
<b>Time Zone Select</b>	Select your time zone to automatically receive accurate local time once GPS connection is established.

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## Options

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**Motion Detection** Select the motion detection sensitivity to enable the camera's motion detection feature. This feature is handy when you want to keep your vehicle protected when it's parked.

To start Motion Detection recording, simply press and hold the **OK** button when your camera is on standby in Video mode until a 10-second countdown is initiated on the screen. After the countdown ends, the **M** icon appears in the status bar. Your camera will automatically record a 30-second video clip each time it detects movement.

**Note: For longer camera battery life, we recommend enabling the LCD Power Save setting in conjunction with Motion Detection.**

To end Motion Detection recording, simply press and hold the **OK** button for 3 seconds. The **M** icon disappears from the status bar.

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**Stamp Speed Off** Select the maximum speed limit to automatically hide GPS speed and location coordinates from the recording when this speed limit has been exceeded.

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## Device Settings

The **Device Settings** menu contains the following options:

Options	
<b>Car ID</b>	Enter your car license plate number. Your Car ID will be displayed on the screen.
<b>Driver Fatigue</b>	Turn this on to hear an audible warning after 3 hours of continuous driving.
<b>Car Lamp Open</b>	Turn this on to receive a visual and audible alert to turn on your vehicle headlights when operating the camera between 5pm and 7am.
<b>LCD Power Save</b>	Select the duration for the display to automatically turn off after a period of inactivity. If there is an ongoing recording, it will continue in the background. Pressing the <b>Power</b> button turns the display on again.
<b>Power Off</b>	Select the duration for your camera to automatically shut down after a period of inactivity.
<b>TV System</b>	If you are outputting the camera display to your TV via the HDMI port, you will need to select the appropriate video standard (PAL or NTSC).
<b>Stamp</b>	Select whether to embed your Car ID or the date, or both on the recordings.

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**Options**

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**GPS Stamp** Select if your GPS position and speed information is captured along with the recordings. This is dependent on your camera acquiring a GPS fix during your journey.

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**Clock Settings** Set the current date and time.

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**USB Function** Select the appropriate USB mode when using the USB data cable to connect to your computer.

**MSDC** (default) - Lets you use your camera as a USB mass storage device, and transfer videos and photos from the memory card folders to your computer.

**PCam** - Lets you use your camera as a webcam.

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**Format Card** Format the microSD memory card that is inserted in the camera. When you format a memory card, all files on the card will be deleted.

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**Reset** Restore camera settings back to factory default values.

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**Language** Select the menu language.

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**FW Version** The firmware version of the camera is shown here.

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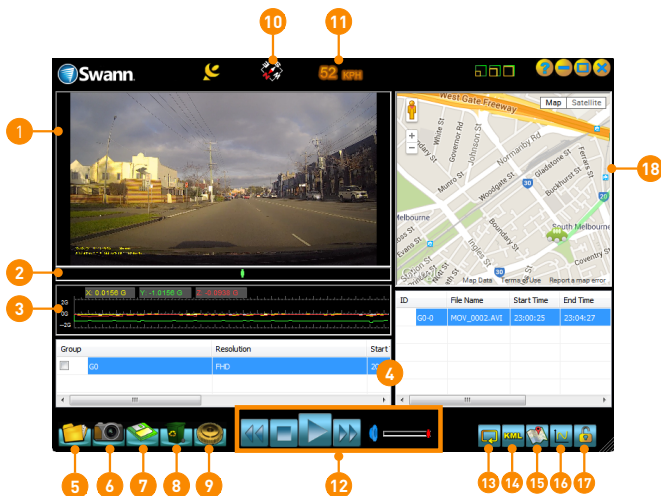
# NAVIGATOR GPS

You can view HD videos recorded on your camera and check driving routes and speed information on the map using the Navigator GPS software on your computer.

## Installing the Navigator GPS software

1. Download the Swann Navigator GPS Setup file from the Navigator HD Dash Camera product page at:  
[www.swann.com](http://www.swann.com)
2. Double-click the Setup file, and then follow on-screen instructions to install the Swann Navigator GPS software.


## Getting to know the Navigator GPS screen



1. Video playback pane
2. Video timeline
3. G-sensor chart
4. Video playlist
5. Find and play recordings
6. Capture screenshot from the video
7. Save any selected files to another folder
8. Delete any selected files
9. Configure map and language settings
10. Compass
11. Speed
12. Playback and volume controls
13. Turn on/off Autoplay
14. Save GPS data as a KML file (KML is a file format used to display geographic data in an Earth browser such as Google Earth and Google Maps.)
15. Open/Close map pane
16. Open/Close G-sensor chart
17. Function currently not available
18. Map pane

## Configuring map data

Before playing any video recordings, it's important that you load the correct map data so your driving route can be seen on the Map pane.

1. Click .
2. Under **Select Map**, choose "**Google Maps**".
3. Press **OK**.

# Helpdesk / Technical Support Details

## Swann Technical Support

All Countries E-mail: [tech@swann.com](mailto:tech@swann.com)

## Telephone Helpdesk

**USA** 1800 627 2799

**USA Parts & Warranty** 1800 627 2799

(M-F, 9am-5pm US PT)

**AUSTRALIA** 1800 788 210

**NEW ZEALAND** 0800 479 266

**UK** 0808 168 9031

