

## Safety camera alerts

**Caution:** For legal reasons, the safety camera function is not available in all countries.



You can receive alerts to warn you about the locations of safety cameras, which will enable you to monitor your speed through these areas.

**Note:** Not all features are available for every model.

- When a safety camera appears and is positioned in the detectable direction, you will receive alerts. The screen will display the visual alert and you will also receive audio warnings (**Beep, Voice, or Mute**).
- When the alert sound setting is set to **Beep**:
  - When your car approaches a safety camera, you will receive a normal beep alert.
  - When your car approaches a safety camera at a speed over the set threshold, you will receive a persistent beep alert until your car speed drops lower than the appropriate speed limit.
  - When your car passes through a safety camera, you will be notified by a different beep alert.
- You can change the settings about how you want to receive the safety camera alerts. See the "System settings" section for information.

### Camera alert types:

Icon	Type
	Speed and combined safety camera
	Traffic light and red light camera
	Railway crossing and accident black spot alert

## Adding a safety camera

**Note:** You can add a custom safety camera only when a GPS fix is established.

Your dash cam allows you to customise the safety camera database. You can add up to 100 custom safety cameras in your dash cam.

Follow the steps to configure a custom safety camera:

- To add a custom safety camera in the current location, press on the recording screen.
- The next time when you pass by the location, you will receive alerts by the dash cam.
- To view the information of the user-added safety camera, select > **SafetyCam** > **Custom SafetyCam** and then select the safety camera that you want to check.
- Press to remove the custom safety camera from the dash cam.

### Updating safety camera data

Navman does not warrant that all types and locations of safety camera data are available as cameras may be removed, relocated or new cameras installed.

Occasionally Navman may offer you various software updates. Visit the Navman website for available downloads and follow the instructions to complete update.

## MiVue™ Manager

MiVue Manager™ is a tool for you to view the videos recorded on a dash cam.

**Note:** Not all features are available for every model.

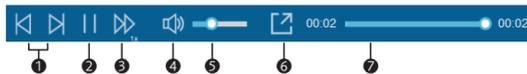
### Installing MiVue Manager

Download the Setup file from <http://www.navman.com.au/car-gps-devices/mapping/> or <http://www.navman.co.nz/car-gps-devices/mapping/>. Double-click Setup.exe and follow the on-screen prompts to install MiVue Manager.

**IMPORTANT!** Your computer needs MOV and AVI codecs to play the recording files. Please visit [www.navman.com.au](http://www.navman.com.au) or [www.navman.co.nz](http://www.navman.co.nz) to install the required codecs.

### Playing the recording files

- Remove the memory card from the dash cam and access the card on the computer via a card reader. You are advised to copy the recording files to your computer for backup and playback.
- Start MiVue Manager on the computer.
  - By default, MiVue Manager shows the calendar and the file list on the right.
  - When a recording file exists, you will see the date marked with "•". Click that date to display the files that were recorded on that date.
  - You can choose the file type to display: Event / Normal / Parking.
  - To display all files in the current folder, click **All**. To return to the calendar view, click **Calendar**.
- Double-click the desired file on the file list to start playback.
- The playback controls are described as follows:



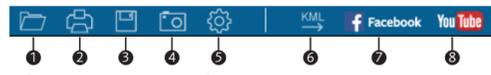
- Skips to the previous/next file on the list.
- Starts or pauses the playback.
- Changes the playback speed to 1/4x, 1/2x, 1x (default), 1.5x, or 2x.
- Mutes or unmutes the volume.
- Adjusts the volume level.
- Plays the video in full screen.
- Displays the playback progress. You can click on a point along the track bar to move directly to a different location for the playback.

- During playback, you can check more driving information from the dashboard panel and the G sensor chart that are displayed below the video playback screen.

- On the dashboard panel, click to display the map screen\*.
- G sensor chart displays data in 3-axis waveform about the car's shift forward/backward (X), to the right/left (Y) and upward/downward (Z).

\*The map screen may not display when the computer is not connected to the Internet or when your MiVue model does not support the GPS function.

- The tool bar allows you to do the following:



- Selects the folder that stores the recording files.
- Previews and prints the current video image.
- Saves the selected files to the specified location on your computer.
- Captures and saves the current video image to the specified location on your computer.
- Opens the Settings Menu. The Settings items are described as follows:
  - Change Language:** Sets the display language of MiVue Manager.
  - Change Skin:** Sets the colour scheme of MiVue Manager.
  - Check for Update:** Checks if there is any new version of MiVue Manager. Internet access is required for this feature.
  - About:** Displays the version and copyright information of MiVue Manager.
- Exports the GPS information of the selected file in the KML format to the specified location on your computer.
- Uploads the selected file to Facebook.
- Uploads the selected file to YouTube™.

## Precautions and notices

- For your own safety, do not operate the controls of the product while driving.
- A window mount is needed when using the dash cam in a car. Make sure that you place the dash cam in an appropriate place, so as not to obstruct the driver's view or deployment of airbags.
- Make sure that no object is blocking the camera lens and no reflective material appears near the lens. Please keep the lens clean.
- If the car's windscreen is tinted with a coating, it may impact the recording quality.

## Safety precautions

### About charging

- Use only the charger supplied with your device. Use of another type of charger may result in malfunction and/or danger.
- This product is intended to be supplied by a LISTED Power Unit marked with "LPS", "Limited Power Source" and output rated + 5 V dc / 1.0 A.
- Use a specified battery in the equipment.

### About the charger

- Do not use the charger in a high moisture environment. Never touch the charger when your hands or feet are wet.
- Allow adequate ventilation around the charger when using it to operate the device or charge the battery. Do not cover the charger with paper or other objects that will reduce cooling. Do not use the charger while it is inside a carrying case.
- Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the charger if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

### About the battery

**CAUTION!** This unit contains a non-replaceable internal Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture, or dispose of in fire or water.

- Use a specified battery in the equipment.
- Important instructions (for service personnel only)
  - Caution! Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
  - Replace only with the same or equivalent type recommended by the manufacturer.
  - The battery must be recycled or disposed of properly.
  - Use the battery only in the specified equipment.
- Battery clause safety information

Your Navman uses a Lithium-ion battery. It is important to follow the guidelines set out regarding this type of Battery.

Electronic devices using a lithium – ion battery such as Mobile phones, GPSs and cameras are designed to operate at a temperature range of approximately 0°C to 50°C. Beyond these temperature limits, there may be a

risk of battery failure, when these electronic goods are exposed to extreme heat conditions for long periods. It is recommended that you do not use your Navman in a humid, wet and/or corrosive environment. Do not put, store or leave your product in or near a heat source, in a high temperature location, in strong direct sunlight and do not expose it to temperatures over 60°C (140°F). Failure to follow these guidelines may cause the Lithium-ion battery to leak acid, become hot, explode or ignite and cause injury and/or damage. Do not pierce, open or disassemble the battery. If the battery leaks and you come into contact with the leaked fluids, rinse thoroughly with water and seek medical attention immediately. For safety reasons, and to prolong the lifetime of the battery, charging should not occur at low (below 0°C/32°F) or high (over 45°C/113°F) temperatures.

THE LITHIUM-ION BATTERY CONTAINED IN THE PRODUCT MUST BE RECYCLED OR DISPOSED OF PROPERLY. IT IS HIGHLY RECOMMENDED YOU USE YOUR NAVMAN ONLY WITH THE SUPPLIED DC POWER LEAD (CAR CHARGER/BATTERY CABLE) AND AC ADAPTER (HOME CHARGER) FOR BATTERY CHARGING.

For more information on how to recycle your old electronic devices, please contact your local council office. You can also visit [www.navman.com.au](http://www.navman.com.au) / [www.navman.co.nz](http://www.navman.co.nz) to view our latest trade-in offers.

## Caring for your device

Taking good care of your device will ensure trouble-free operation and reduce the risk of damage.

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your device or drop objects on your device.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.
- The screen surface can easily be scratched. Avoid touching it with sharp objects. Non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.
- Never clean your device with it powered on. Use a soft, lint-free cloth to wipe the screen and the exterior of your device.
- Do not use paper towels to clean the screen.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.
- To discourage theft, do not leave the device and accessories in plain view in an unattended vehicle.
- Overheating may damage the device.

## About GPS

- GPS is operated by the United States government, which is solely responsible for the performance of GPS. Any change to the GPS system can affect the accuracy of all GPS equipment.
- GPS satellite signals cannot pass through solid materials (except glass). When you are inside a tunnel or building, GPS positioning is not available. Signal reception can be affected by situations such as bad weather or dense overhead obstacles (e.g. trees, tunnels, viaducts and tall buildings).
- The GPS positioning data is for reference only.

## 1-Year Limited Warranty

### 1. DEFINED TERMS.

- In this document:
- "Australian Consumer Law" means the Australian Consumer Law set out in Schedule 2 to the Competition and Consumer Act 2010 (Cth).
  - "Consumer Guarantees" means the consumer guarantees which apply to the supply of products or services under: (A) the Australian Consumer Law, as amended from time to time, or other similar legislation of a state or territory of Australia; and (B) the New Zealand Consumer Law or other similar legislation.
  - "Customer" means the purchaser of a Navman product.
  - "Navman Warranty" has the meaning given in section 2 of this document.
  - "New Zealand Consumer Law" means the Consumer Guarantees Act 1993 and Fair Trading Act 1986, as amended from time to time.

### 2. NAVMAN WARRANTY.

- The Navman Warranty provides benefits which are in addition to other rights and remedies the Customer has under law. This document does not limit, restrict or exclude any rights that a person has because of the Consumer Guarantees.
- In addition to any rights that a Customer or any other person has because of the Consumer Guarantees, and subject to section 5 of this document, MiTAC Australia Pty Ltd, in Australia, and Navman Technology NZ Ltd, in New Zealand, (both "Navman") warrants that:
  - The hardware device ("Hardware") will be free of defects in material and workmanship and will conform to their published specifications; and
  - its software products and software provided with the Hardware (collectively, "Software") will be free from media defects and will substantially conform to the then-current user documentation provided with the Software (including updates thereto), in each case for a period of one year from the date of original purchase ("Warranty Period") (the "Navman Warranty").
- Where Hardware or Software is repaired or replaced under this Navman Warranty, the Navman Warranty will apply to the repaired or replaced Hardware or Software for the longer of:
  - 90 days from the date of return shipment of that repaired or replaced Hardware; and
  - the balance of the original Warranty Period applying to that Hardware or Software (or the Hardware or Software it replaces).
- Customers must make their own enquiries to determine whether the Software will meet their requirements, and except where otherwise required by the Consumer Guarantees:
  - Navman does not warrant that the Software will meet a Customer's requirements or that its operation will be uninterrupted, error-free or virus-free; and
  - Customers assume the entire risk of using the Software.

### 3. CUSTOMER'S REMEDY.

- In addition to any rights under the Consumer Guarantees, if:
  - the Hardware or Software is defective in contravention of the Navman Warranty or otherwise fails to conform to the requirements of the Navman Warranty; and on or before the last day of the Warranty Period, the Customer sends the affected product to Navman (and retains proof of shipping),

Navman will (at Navman's option) repair or replace the affected product. This is a Customer's sole remedy for contravention of the Navman Warranty, although you may have other rights or remedies under applicable laws (including the Consumer Guarantees).

- You will be required to show proof of purchase when you return a product to Navman for repair or replacement under the Navman Warranty. A complete and legible copy of the original sales receipt will be required. Any repairs undertaken by a service centre which is not an Authorised Navman Service Centre will void this warranty.
- Except to the extent that the Consumer Guarantees require otherwise:
  - Navman may refuse to repair or replace products under the Navman Warranty if: (A) the sales receipt is not provided; (B) the information contained in it is incomplete or illegible; or (C) the serial number of the product has been altered or removed; and
  - Navman will not be responsible for any losses or damage to products incurred while the product is being shipped by a Customer to Navman. Insurance is recommended.
- Navman recommends the use of a trackable shipping method when returning a product under the Navman Warranty and that you retain proof of the date you ship, post or otherwise return a product under the Navman Warranty.
- The repair or replacement of products may result in loss of data. Customers are responsible for creating back-up copies of all of their data stored on a product before returning that product to Navman. If a Customer fails to create adequate back-ups of their data, Navman will not be responsible for the loss of that data caused by the repair, attempted repair or replacement of any product.

### 4. EXCLUSION OF IMPLIED WARRANTIES.

- Except for the Consumer Guarantees, Navman excludes all other guarantees, warranties and conditions implied by statute, at law, in fact or otherwise (including, if applicable, implied warranties under Article 35 of the United Nations Convention on Contracts for the International Sale of Goods).
- This section 4 does not exclude, restrict or modify the application of any condition, warranty, guarantee, right or remedy conferred by or implied under any provision of any statute where to do so would:
  - contravene that statute; or
  - cause any part of this section 4 to be void.

### 5. EXCLUSIONS.

- This section 5 sets out exclusions and limitations which apply to the Navman Warranty. It does not affect the rights of any person under the Consumer Guarantees. The Navman Warranty does not cover:
  - periodic maintenance and repair or replacement of parts due to normal wear and tear;
  - batteries;
  - finishes;
  - installations or defects resulting from installation;
  - any damage caused by: (A) shipping, misuse, abuse, negligence, tampering, moisture, liquids, proximity or exposure to heat, or improper use; (B) disasters such as fire, flood, wind, and lightning; or (C) unauthorised attachments or modification;

- service performed or attempted by anyone other than an authorised Navman Service Centre;
- (vii) any products, components or parts not manufactured by Navman; or
- (b) any claim in relation to infringement of any patent, trademark, copyright or other proprietary right, including trade secrets. If the product was purchased for the purposes of a business, the provisions of the New Zealand Consumer Law do not apply (in accordance with section 43(2) of the Consumer Guarantees Act 1993).
- The opening, dismantling or repair of this product by anyone other than an authorised Navman Service Centre will void the Navman Warranty.

### 6. EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Except where otherwise required by the Consumer Guarantees, Navman shall not be liable to any Customer or any other person for any indirect, incidental or consequential damages whatsoever, including but not limited to lost profits, damages arising from a delay or loss of use, or out of the breach of the Navman Warranty or any implied warranty, even if caused by the negligence or another fault of Navman or out of the negligent usage of a product. In no event will Navman be held responsible for such damages (except where otherwise required by the Consumer Guarantees).

### 7. APPLICABLE CONSUMER LAW

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law and the New Zealand Consumer Law (as applicable). You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

### 8. COMPLETE AGREEMENT.

This document is the complete, final and exclusive agreement setting out the terms of the Navman Warranty between Navman and the Customer with respect to the quality and performance of the Customer's Navman products. It does not affect the rights of any person under the Consumer Guarantees (other than as specified in section 5(b) of this document).

### 9. GOVERNING LAW.

This document is governed by the laws of New South Wales (except where a Customer ordinarily resides in New Zealand, in which case this document is governed by the laws of New Zealand), in each case without reference to that jurisdiction's conflict of law provisions or the U.N. Convention on Contracts for the International Sale of Goods, and shall benefit Navman, its successors and assigns. This warranty does not affect a person's statutory rights under applicable laws in force in their jurisdiction, or rights against the dealer or reseller arising from their sales/purchase contract.

### 10. NAVMAN'S CONTACT DETAILS.

- Contact Navman to obtain a Return Materials Authorization number. You can reach Navman using the Contact Details outlined at 3 below or through your authorized Navman dealer.
- Pack the product, a copy of your dated purchase receipt, your address and telephone number, and any other information Navman requests as part of the return authorization process (such as any return authorization form you receive) in sturdy packing material.

# User Manual

Revision: R02  
(7/2016)

### Trademarks

All brand and product names are trademarks or registered trademarks of their respective companies.

### Disclaimer

Specifications and documents are subject to change without notice. Navman does not warrant this document is error-free. Navman assumes no liability for damage incurred directly or indirectly from errors, omissions, or discrepancies between the device and the documents.

### Notes

Not all models are available in all regions. Depending upon the specific model purchased, the colour and look of your device and accessories may not exactly match the graphics shown in this document.

### Regulatory information

For regulatory identification purposes, Navman DDR MiVue™ 6 Series is assigned a model number of N489. Marking labels located on the exterior of your device indicate the regulations that your model complies with. Please check the marking labels on your device and refer to the corresponding statements in this section. Some notices apply to specific models only. The user needs to switch off the device when exposed to areas with potentially explosive atmospheres such as petrol stations, chemical storage depots and blasting operations.

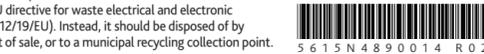
### WEEE

This product must not be disposed of as normal household waste, in accordance with the EU directive for waste electrical and electronic equipment (WEEE – 2012/19/EU). Instead, it should be disposed of by returning it to the point of sale, or to a municipal recycling collection point.



NAVMAN

DDR MiVue  
Series



- Ship the product and the other required items to Navman (Attention: Warranty Manager) at the address specified in the Contact Details below, on or up to the end of the Warranty Period. You should retain proof of shipping to evidence the date of shipment.

### Contact Details:

*In Australia:*  
MiTAC Australia Pty Ltd  
1300 NAVMAN  
(1300 628 626)  
[www.navmansupport.com.au](http://www.navmansupport.com.au)

*In New Zealand:*  
Navman Technology NZ Ltd  
0800 GO NAVM  
(0800 466 286)  
[www.navmansupport.co.nz](http://www.navmansupport.co.nz)

### Contact address for returned products:

*In Australia:*  
MiTAC Australia Pty Ltd  
(Navman repairs)  
Unit 5, 43-51 College Street  
Cladesville NSW  
2111

*In New Zealand:*  
Service Plus (Navman repair)  
690 Great South Road  
Penrose  
Auckland 1061

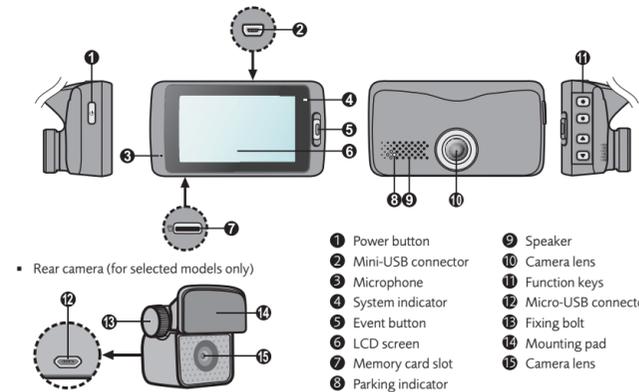
When returning products directly to Navman you must set out:

Sender's name: .....  
Sender's address: .....  
Sender's phone: .....  
Sender's email: .....  
RMA number (compulsory - please call the support number above for your RMA number)

If you claim under your warranty by returning the product directly to Navman, you must pay for shipping and any insurance to get the product to Navman at the applicable address. Except where otherwise provided by Consumer Guarantees (as defined below), you assume all risk of loss or damage to the product until it arrives at Navman's facility. Navman will pay for ground shipping of the new or repaired product back to you at an address in the applicable country or region and assume all risk of loss or damage to the product until it arrives at the address you specify. You must request, and pay for, any different shipping method. Except where otherwise required by Consumer Guarantees (as defined below), if Navman reasonably determines that the product has not failed to meet the standards of the warranty, you will be liable for the cost of return shipment to you, Navman may require payment of such costs before returning the product to you, and the risk of loss or damage will remain with you notwithstanding Navman's possession of the product. The Warranty Period will stop running on the day you send the product to Navman. The remainder of the Warranty Period will begin to run again when the repaired or replacement product arrives at the address you specify.

## Getting to know your dash cam

- MiVue dash cam



**Note:** The screenshots and other presentations shown in this manual may differ from the ones generated by the actual product.

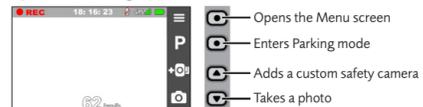
### Power button

- Press and hold for 2 seconds to manually turn the dash cam on and off.
- When the dash cam is turned on, press to switch the LCD screen on and off.

### Function keys

The device provides four function keys to control the corresponding icons displayed on the LCD screen. The keys' function may vary on different screens.

- Example of the recording screen



## Operating basics

### Turning the dash cam on

Complete the installation according to the instructions in the "Using your dash cam in a vehicle" section. Once the vehicle engine is started, the dash cam automatically turns on.

### Setting the date and time

To make sure that the date and time of your recordings are correct, check the settings before you begin recording.

- Press to access the Settings Menu.
- Select **System > Date / Time** and press .
- Select **Use GPS time** or **Manual**:
  - When you select **Use GPS time**, the system will set date and time according to the GPS location.
  - When you select **Manual**, the system will display the date and time setting screen.Use / to adjust the value of the selected field; press and repeat the step until all fields have been changed. When completed, press .

### Continuous recording

By default, the system will automatically begin with continuous recording in a few seconds after start up. The recording may be divided into several video clips; recording will not stop between video clips.

- When continuous recording is in progress, you can manually stop recording by pressing .

- Press to return to the recording screen; the system will start continuous recording automatically.
- The continuous recordings can be found in the "Video" category for file playback.

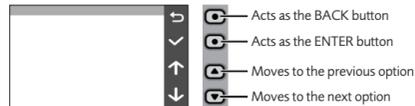
### Event recording

By default, if an event happens such as a sudden impact, high speed driving, an aggressive turn or an accidental crash, the G sensor\* will prompt the dash cam to start recording the event.

\* You can change the sensitivity level (6 levels, from Low to High) of the G sensor by selecting > **Video Recording > G-Sensor Sensitivity**.

- If you want to manually start an event recording while continuous recording is in progress press the Event button on the device.
- The event recordings can be found in the "Event" category for file playback.

- Example of Menu screen



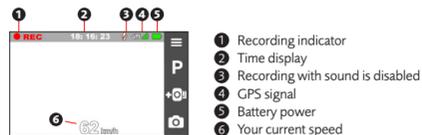
- Switching screens (for selected models only)

Once you connect the rear camera and start recording, the screen displays the PIP (picture-in-picture) mode. You can switch the front and rear camera images by pressing .



### System icons

Various System icons on the title bar at the top of the screen provide the status information of your device. The displayed icons will vary depending on your device model and state.

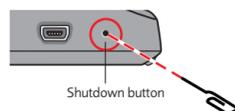


### LED indicator

The LED indicator glows in **green** when the dash cam is charging. During charging, the LED indicator flashes in **green** and **amber** alternately while the recording is in progress.

### Shutting down the dash cam

Occasionally you may need to perform a hardware reset when the dash cam stops responding or if it appears to be "frozen" or unresponsive. If you cannot turn the dash cam off by using the Power button, insert a small rod (such as a straightened paperclip) into the Shutdown button to shut down the dash cam.

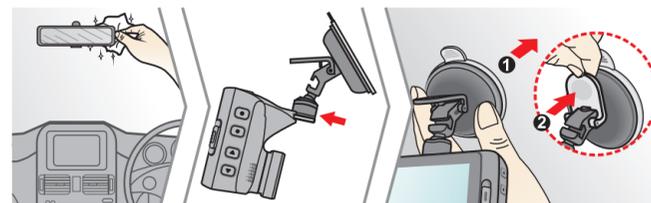


## Using your dash cam in a vehicle

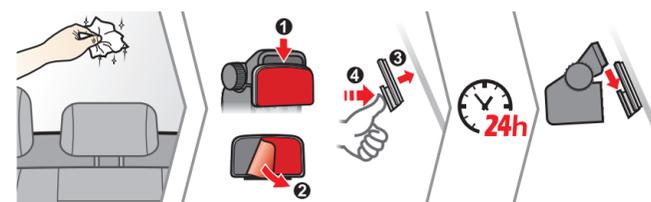
- To ensure the highest quality recordings, you are advised to place the dash cam near the rear-view mirror.
- Select an appropriate location for mounting the device in a vehicle. Never place the device where the driver's field of vision is blocked.
- (For selected models only) If the car's windscreen is tinted with a reflective coating, it may be athermic and impact the GPS reception. In this instance, please mount your device where there is a "clear area."
- The system will automatically calibrate the G sensor of the device during start-up. To avoid G sensor malfunction, always turn the device on **AFTER** you mount it in the vehicle properly.

Make sure that your car is parked on level ground. Follow the instructions to securely mount your dash cam and rear camera into a vehicle.

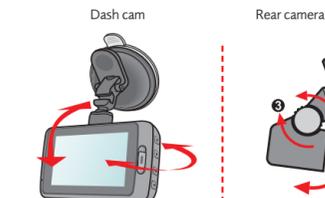
- Mount the dash cam.



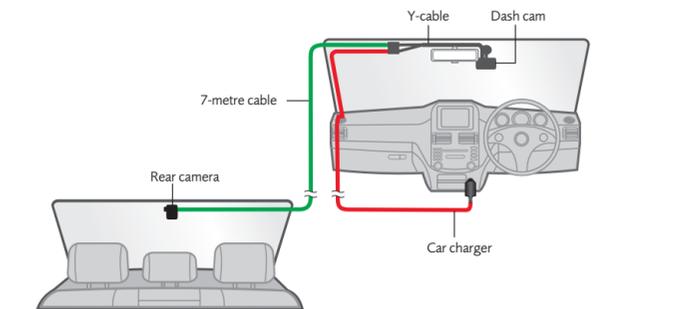
- Mount the rear camera (for selected models only).



- Adjust the lens angle.



- Connect the cables.



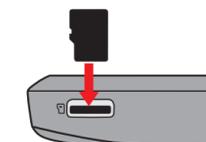
Route the cables through the top ceiling and the A-pillar so that it does not interfere with driving. Make sure that the cable installation does not interfere with the vehicle's airbags or other safety features.

### Note:

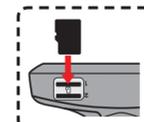
- For the models without the rear camera, simply connect the dash cam to the cigarette lighter via the car charger.
- The installation illustrations are for your reference only. The placement of the devices and cables may vary depending on the vehicle model. If you encounter any problems during installation, contact a skilled installer (such as the service personnel of the vehicle) for assistance.

## Inserting a memory card

You must insert a memory card (not supplied) before you can start recording. The dash cam supports Class 10 memory cards with 8 GB - 128 GB capacity.



- Hold the card by the edges and gently insert it into the slot as shown in the illustration. To remove a card, gently push the top edge of the card inwards to release it and pull it out of the slot.
- Depending on the model, your dash cam may have two memory card slots. In this case, always insert the primary memory card into Slot 1 and then the second card (if available) into Slot 2. The recorded files are stored to the card in Slot 1; the card in Slot 2 is for you to back up files manually. (Selected models only)



### Note:

- DO NOT apply pressure to the centre of the memory card.
- Navman does not guarantee the product's compatibility with memory cards from all manufacturers.
- Before you start recording, please format the memory card to avoid malfunction caused by files not created by the dash cam.
- You are recommended to turn the device off before removing the memory card.

### Formatting a card

If you need to format a memory card (all data will be erased), press and select Format.

## Recording in Parking mode

Your dash cam supports the parking recording function. Depending upon how long the car is parked you may need an additional power source (e.g. an uninterruptible power cable which is sold separately) to record the video during Parking mode.

- The Parking mode function is disabled by default. You have to enable the function by selecting > **Parking Mode > Detection > On**.
- Before enabling Park mode please check your device memory storage allocation. Go to > **System > Storage Allocation** to set a proper allocation for parking recording. Changing the allocation will erase the memory card so save any videos or photos to your computer first.
- When the Parking mode detection is enabled the system will enter Parking mode when you:
  - disconnect the device's power (e.g. the vehicle engine is stopped or the power cable is disconnected) or when the car stops moving for about 5 minutes\*; or
  - press to manually start Parking mode while continuous recording is in progress.

\* The feature is triggered by the G sensor of the device. You can change the configuration by selecting > **Parking Mode > Auto Entry**.

- To stop Parking mode and resume continuous recording, press .
- If movements were detected and recorded during Parking mode you will be asked to playback the video when you stop Parking mode.
- The parking recordings can be found in the "Parking" category for file playback.

### Camera mode

The dash cam allows you to take a photo. The photos can be found in the "Photo" category for file playback.

- If the recording is in progress, press to take a photo\*.

- Press > **Camera > Photo**.

\* This function is not available when the rear camera is connected.

### Playback mode

To select a video or photo for playback:

- Press > **File Playback**.
- Select the desired type: **Video**, **Event**, **Parking** and **Photo**.
- Press / to select the desired file from the list and then press to start playback.
- During playback, you can:
  - While playing videos, press / to play the previous/next video.

- While viewing photos, press / to display the previous/next photo.
- Press to return to the list.

- Press to display the pop-up menu to select:

- Play/Pause:** Starts or pauses the playback.
- Play rear video:** (For selected models only) The "D" icon displayed on the thumbnail on the playlist means that the video comes with a corresponding rear video. While playing the front video, you can use this option to switch to the rear video.
- Move to Event:** Moves the file to the "Event" category.
- Backup to 2nd SD:** (For selected models only) Copies the file to the second memory card
- Delete:** Deletes the file.

**Note:** When you are moving or deleting the front video, the corresponding rear video will be processed synchronously.

## System settings

To customise the system settings, press . Depending on your model, certain setting options may not be available.

- File Playback**

Plays the recorded videos and photos.

- Camera**

Press to enter Camera mode.

- Sound Recording**

Sets if you want to include sounds in the recordings. The default setting is **On**.

- Driving Safety**

The dash cam provides advanced driving safety functions to make your driving safer.

- Calibration:** Follow the steps to calibrate the system:
  - Drive the vehicle in the middle of the lane.
  - Ask a passenger to select the option and then follow the on-screen instructions to complete calibration.You are advised to calibrate the system constantly in order to be alerted properly.
- LDWS:** The default setting is **Off**. Once enabled (by selecting **Beep** or **Voice**), the system will alert you when the car speed is over 60 km/h and the car has strayed from its intended lane.
- Headlight Reminder:** The default setting is **Off**. Once enabled, the system will remind you to turn the lights on when you are driving after dark.
- Driver Fatigue Alert:** The default setting is **Off**. Once enabled, the system will remind you to take a break after long-distance driving (**2 hours**, **3 hours** or **4 hours**).
- FCWS** (Forward Collision Warning System): The default setting is **Off**. Once enabled (by selecting **Beep** or **Voice**), the system will alert you when the car speed is over 5 km/h and the car gets too close to the car ahead.
- Stop and Go:** The default setting is **Off**. Once enabled, the system will alert you when the car ahead has proceeded to go after being stopped for longer than 10 seconds.
- SafetyCam**  
Sets how you want to be notified of safety cameras. The available settings include:
  - Alert Sound:** The options are Beep, Voice and Mute.
  - Alert Distance:** The options are Short, Medium and Long.
  - Alert Method:** The options are Smart Alert and Standard Alert.
  - Threshold:** Sets the speed value for the dash cam to start offering alerts.
  - Cruise Speed Alert:** Sets the limit for cruise speed. When you drive at a cruise speed over the set value, you will receive alerts by the dash cam.
  - Custom SafetyCam:** Lists all user-added safety cameras which are sorted by created time.
- Parking Mode**  
Allows you to change the settings of Parking mode. The available settings include:
  - Detection:** When enabled the dash cam will automatically start recording when it detects movements or if an event happens in Parking mode.

- Detection Method:** The options are **Only G-sensor**, **Only Motion** and **Both Motion & G-sensor**.
- Auto Entry:** Sets the mode (**Low**, **Medium**, **High** or **Manual**) for the system to enter Parking mode automatically.

- Motion Detection:** The options are **Low**, **Medium** and **High**.
- G-Sensor Sensitivity:** Sets the sensitivity level (**Low**, **Medium** or **High**) of the G sensor that allows automatic triggering of the parking recording when the dash cam is in Parking mode.
- LED Indicator:** The options are **On** and **Off**.

- Video Recording**

Changes the settings of recording, including:

- Video Clip Length:** Sets the length of each video clip for a continuous recording (**1 min**, **3 min** or **5 min**).
- Video Resolution:** Sets the resolution of the video (**1080p 30fps** or **1296p 30fps**).
- WDR:** Enables or disables Wide Dynamic Range function of the device.
- EV:** Sets the proper exposure level (-1 ~ +1) to adjust the brightness of the image. The default setting is **0**.
- G-Sensor Sensitivity:** Sets the sensitivity level (6 levels, from **Low** to **High**) of the G sensor that allows automatic triggering of the event recording while continuous recording is in progress.
- Stamps:** Sets the information (**Coordinates** or **G-Sensor**) that will be displayed on the recorded video.
- Speed Stamp:** Displays the driving speed on the recorded video.
- Text Stamp:** Displays the customised information on the recorded video.

- System**

Allows you to change the system settings of the device.

- Date/Time:** Sets the system date and time. For more information, see the "Setting the date and time" section.
- System Sound:** Enables or disables system notification sounds.
- Welcome Sound:** Enables or disables the notification sounds during start-up.
- Volume:** Adjusts the volume level.
- LCD Standby:** Selects **Always On** to keep the LCD on; or sets the timer for the LCD to turn off automatically (**10 sec**, **1 min** or **3 min**) after recording starts. Selecting **HUD** will turn off the LCD (in specified time) but still display the time and speed information.
- Language:** Sets the language.
- Distance Unit:** Sets the preferred distance unit.
- Storage Allocation:** The system provides 3 default memory configurations to store the videos (including continuous recordings and event recordings) and photos. Select the proper configuration based on your usage.
- Restore to Defaults:** Restores system settings to factory defaults.
- Version:** Displays the software information.
- Format**  
Formats a memory card. (All data will be erased.)