

# 322GW

## User Manual



# Introduction to your Dash Cam

This range of Nextbase™ Dash Cams has been designed specifically with ease of use in mind; it is recommended NOT to change the default settings, which have been carefully selected to give the best performance for day to day use.

Please check the firmware version of the Dash Cam, the version can be found in the Setup menu under System Info.

The latest versions are available to download from our website, where you can download and update when necessary.

[www.nextbase.com](http://www.nextbase.com)

## Basic Operation

It is essential that a quality branded Class 10 or U1 type Micro SD card is used with this Dash Cam use to the very large data rate generated by high resolution recording. For best results, we recommend using our Nextbase™ branded SD cards with your Dash Cam.

Your Nextbase™ Dash Cam is set to record video, in files of just 1 minute in length. This means that each video file is a manageable size should you need to download and send to your insurance company. Eventually your MicroSD card will fill up with video files but don't worry, the camera automatically deletes the oldest file to make space for new recordings. This way you never run out of space and have plenty of driving data saved.

Typically a 16Gb card will store the last 1.5 hours of driving footage.

For summer months where the clocks are brought forward or for driving in other countries, adjust the time in the Setup Menu (Time & Date) to account for the time difference from GMT by adding or subtracting 1 hour as required.

There are 3 modes of camera operation - Video, Photo and Playback.

Press the MODE button on the Dash Cam to select required mode.

Video Mode: The default mode when the camera is turned on, for video recording.

Photo Mode: Allows you to take still photographs.

Playback Mode: Allows you to view recorded video or photographs upon the Dash Cam LCD screen.

## Automatic Start / Stop Technology

This Nextbase™ Dash Cam senses power supplied to the cigarette lighter socket as soon as the vehicle ignition is turned on and will start to record automatically. When the ignition is turned off, the Dash Cam will perform an automatic shutdown process.

## 1. Tips for capturing best video footage:

- 1.1 Position the Dash Cam in the centre of the windscreen and ideally behind the rear view mirror so it is not a distraction to the driver.
- 1.2 Ensure that the area on the windscreen that the Dash Cam is looking through is clear of dirt and is within the wiper zone. This will ensure that your videos are as clear as possible.
- 1.3 Reduce the amount of sky in the picture, by angling the view of the camera towards the road. Too much sky will make the road appear darker due to the automatic exposure compensation.
- 1.4 Remove unnecessary items from your dashboard. If objects are placed on your dashboard these can cause reflections to be seen on the windscreen and these reflections may be captured during recording.
- 1.5 To improve dash board glare, a Nextbase Polarising Filter/Reflection Free Lens can be purchased.

## 2. Tips for stable memory card performance:

- 2.1 Periodically format the memory card. Every 2-3 weeks we recommend that you format the memory card. This will wipe any files from the card and set it up afresh for continued use with your Dash Cam. Of course, you should only do this AFTER you've downloaded any files from the card that you may want to keep, as formatting the card will remove all content.
- 2.2 Format your memory card using the Dash Cam. This will make sure that the card is structured specifically for your camera. Within the Setup menu, select 'Format SD Card' and follow the on-screen instructions.
- 2.3 Switch off the Dash Cam before removing the SDcard, to prevent the chance of damage being caused to the memory card or the files stored upon it.

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## Precautions

Please read this manual carefully before operation and keep it for future reference. It will be helpful should you encounter any operational problem.

**WARNING:** Do not expose this product to rain, moisture or water under any circumstances, doing so may result in the risk of electric shock or fire.

**CAUTION:** To reduce the risk of electric shock, do not perform any servicing other than that contained in the instruction manual unless you are qualified to do so. Have the unit serviced by a qualified service technician if;

- The unit has been exposed to rain or water.
- The unit does not seem to operate normally.
- The unit exhibits a marked change in performance.

**LCD:** A Liquid Crystal Display (LCD) screen is a multilayer complex component, containing 311,040 pixels. Pixels can however fail during normal product life. 1 pixel = 0.00003% failure rate, and one pixel failure per year of operation is considered normal and not a cause for concern.

**WEEE:** Disposal of Waste Electrical and Electronic Equipment and/or Battery by users in private households in the European Union. This symbol on the product or on the packaging indicates that this cannot be disposed of as household waste. You must dispose of your waste equipment and/or battery by handing it over to the applicable take-back scheme for the recycling of electronic equipment and/or batteries. For more information please contact your local household waste disposal office.



**CHOKING HAZARD:** Some Products may contain components that are small enough to be swallowed. Please keep out of reach of children.

## Cautions on Using this Product

1. Ensure that the windscreen is free of dirt or grease before placing mount upon it.
2. Do not obscure the view of the road ahead or impede the deployment of any airbags in the event of an accident.
3. When not in use, please disconnect the car adaptor from both the 12/24Vdc outlet in your vehicle and the device itself.
4. Only clean the device with a soft dry cloth, for tough dirt, apply some neutral detergent diluted in 5 to 6 parts water to a soft cloth. Please note that alcohol, thinner, benzene etc could cause damage to the paint or coatings.
5. Avoid making contact with the lenses as damage may be caused.
6. If required clean the glass lens carefully using spectacle lens cleaning fluid on a soft cloth only.
7. The video recordings made by this Dash Cam are intended for personal use only.
8. Publication of the recordings on Youtube, the internet or other methods are subject to the Data Protection Act and the requirements thereof must be adhered to. If the Dash Cam is to be used within a commercial environment, i.e. truck use, then the CCTV regulation apply also, in addition to the Protection Act regulations. This includes labelling to identify the use of CCTV is taking place, the omission of Audio recording and informing the relevant authorities of who controls the data.
9. Video playback upon the device which is visible to the driver is prohibited or restricted in some countries or States. Please adhere to these laws.
10. Whilst driving, do not adjust the controls of your device as this is a distraction to driving.
11. Before using the device on your windscreen, check the state and local laws and ordinances where you drive. Some laws prohibit or restrict the placement of objects on the windscreen of a motor vehicle.  
IT IS THE USER'S RESPONSIBILITY TO MOUNT THE DEVICE IN COMPLIANCE WITH ALL APPLICABLE LAWS AND ORDINANCES.  
Always mount your Nextbase™ device in a location that does not obstruct the driver's view of the road. Nextbase does not assume any responsibility for any fines, penalties, or damages of your Nextbase device.  
Nextbase accepts no responsibility for any damage or injury caused when the dash cam is in use.

Distractions can lead to accidents, and the risk of injury or death. Always keep your eyes on the road, and keep aware of your surroundings.





## Product Warnings

Failure to heed the following warnings could result in an accident or collision resulting in death or serious injury.

### Distraction Warning

This device is intended to enhance the situational awareness when used properly. If used improperly, you could become distracted by the display, which could lead to an accident causing serious personal injury or death. DO NOT seek to access the information stored on the device or change the device settings whilst driving. Information stored on the device should be reviewed only when your vehicle is stationary, and you are parked in a safe place in compliance with local laws.

The device settings should only be changed when your vehicle is stationary, and you are parked in a safe place in compliance with local laws. Always maintain awareness of your surroundings and do not stare at the display or become distracted by the display. Focusing on the display could cause you to miss obstacles or hazards. Use the device at your own risk.

Do not change settings, or access any functions requiring prolonged use of the device controls while driving. Pull over in a safe and legal manner before attempting such operations.

Video playback upon devices with display which are visible to the driver, is prohibited or restricted in some countries or States. Please adhere to these laws.

### Vehicle Installation Warnings

When installing the device in a vehicle, do not place the device where it obstructs the driver's view of the road or interferes with vehicle operating controls, such as the steering wheel, foot pedals, or transmission levers. Do not place unsecured on the vehicle dashboard.

Do not place the device in front of or above any airbag.

### Battery Warnings

Lithium-ion batteries are used in most Nextbase™ devices. If these guidelines are not followed, batteries may experience a shortened life span or may present a risk of damage to the device, fire, chemical burn, electrolyte leak, and/or injury.

- Do not disassemble, modify, remanufacture, puncture, or damage the device or batteries.
- Do not remove or attempt to remove the non-user replaceable battery.
- Do not expose the device to fire, explosion, or other hazard.
- Do not expose the device to rain or water.

### Magnet Warnings

Both the Dash Cam and its mount may contain magnets. Under certain circumstances, magnets may cause interference with some internal medical devices, including pacemakers and insulin pumps. Devices and mounts that contain magnets should be kept away from such medical devices. Magnets may cause damage to some electronic devices, including hard drives in laptop computers and bank / credit or membership cards. Use caution when devices and mounts that contain magnets are near electronic devices or bank / credit or membership cards.



## Usage Precautions

Failure to heed the following precautions could result in personal injury or property damage, or negatively impact the device functionality.

### Battery Precaution

- Do not immerse or expose the Dash Cam or batteries to rain, water or other liquids.
- Do not leave the device exposed to a heat source or in a high-temperature location, such as in the sun or in an unattended vehicle. To prevent the possibility of damage, remove the Dash Cam from the vehicle or store it out of direct sunlight, such as in the glove box.
- Do not operate the Dash Cam outside of the following temperature range: from -20° to 45°C (from -4° to 113°F).
- When storing the Dash Cam for an extended time period, store within the following temperature range: from 0° to 25°C (from 32° to 77°F).
- Do not use a power and/or data cable that is not approved or supplied by Nextbase™.
- Contact your local waste disposal department to dispose of the Dash Cam/batteries in accordance with applicable local laws and regulations.

### Windshield Mounting Legal Restriction Precaution

Before using the Dash Cam on your windshield, check the state and local laws and ordinances where you drive. Some laws prohibit or restrict the placement of objects on the windshield of a motor vehicle.

IT IS THE USER'S RESPONSIBILITY TO MOUNT THE DEVICE IN COMPLIANCE WITH ALL APPLICABLE LAWS AND ORDINANCES.

Always mount your Nextbase™ Dash Cam in a location that does not obstruct the driver's view of the road. Nextbase does not assume any responsibility for any fines, penalties, or damages that may be incurred as a result of any state or local law or ordinance relating to the use of your Nextbase Dash Cam.

### Camera Legal Requirements Precaution

In some jurisdictions it could be considered an invasion of privacy rights to take or publicly display photographs or videos of people or their vehicles using this product. It is your responsibility to know and comply with applicable laws and rights to privacy in your jurisdiction and in any jurisdiction in which you may use this device. Video recordings made by this Dash Cam should be for personal use only.

Publication of the recordings on YouTube, the internet or other methods is subject to the data protection legislation and the requirements thereof must be adhered to. Such data protection legislation may prohibit the use and dissemination by you of Dash Cam footage or may impose restrictions on it – we recommend that you check the legal requirements with your legal advisor before disseminating any Dash Cam footage.

If the Dash Cam is to be used within a UK commercial environment, i.e. truck use, then the CCTV regulations apply in addition to the Data Protection Act regulations. This includes labelling to identify the use of CCTV is taking place, the omission of Audio recording and informing the relevant authorities of who controls the data. For use in a commercial environment in non-UK countries, please refer and adhere to local regulations and requirements. For non-UK operation, specific legal requirements may apply where Dash Cams are to be used in a commercial or employment context - again, we recommend that you check the legal requirements with your legal advisors prior to commencing use of Dash Cams in commercial or employment contexts.

## Notices

### G Sensor Notice

The G Sensor within the Dash Cam measures forces exerted upon it, with reference to one g which is the nominal force exerted upon us when stationary on the earth's surface.

The G Sensor will also trigger to protect any recording currently in progress, if a pre-determined threshold of force is exceeded.

The G Sensor protection will be adversely affected if the Dash Cam is NOT mounted in the vertical direction i.e. with the lens pointing to or from the direction of travel.

G Force information derived from a G Sensor is not warranted to be totally accurate at all times, as it is derived from the G Sensor through a sampling method over time. The precision of the G Sensor value recorded depends upon when the acceleration took place at the instance of the sample taken.

The thresholds to trigger the video protection rely upon a trigger value being exceeded between two successive samples, in any one of the three G Sensor axis.

If the Automatic G Sensor protection does NOT trigger during an event, then the Protect button should be pressed, in order to protect the file. Protecting the file can also be performed using the Playback function upon the Dash Cam (models with LCD screens), or indeed through the MyNextbase Connect™ App for applicable Wi-Fi models.

## Product Compliance Information

### Innovation, Science, and Economic Development Canada Compliance

This device complies with Innovation, Science and Economic Development Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

### Radio Frequency Band and Power Information

Hereby, Portable Multimedia Limited declares that the radio equipment type Series 2 Dash Cam is in compliance with Directive 2014/53/EU.

### Product Wireless Information

2400–2483.5 MHz: Wi-Fi (Max 16.3 dBm), BT (Max 6.0 dBm), BLE (Max 6.0 dBm).

### RF Exposure Information (MPE)

This device meets the EU requirements and the International Commission on Non-Ionising Radiation Protection (ICNIRP) on the limitation of exposure of the general public to electromagnetic fields by way of health protection. To comply with the RF exposure requirements, this equipment must be operated in a minimum of 20 cm separation distance to the user.

## FCC Statement

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.

This equipment has been tested and found to comply with the limits for a 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does 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 receiver.
- Connect the equipment to 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 appliance and its antenna must not be co-located or operated conjunction with any other antenna or transmitter.
- A minimum separation distance of 20cm must be maintained between the antenna and the person for this appliance to satisfy the RF exposure requirements.

### FCC CAUTION:

This product does not contain any user-serviceable parts. Repairs should only be made by an authorised Nextbase™ service centre. Unauthorized repairs or modifications could result in permanent damage to the equipment, and void your warranty and your authority to operate this device under Part 15 regulations.

## FCC Identifier

The FCC Identifier (FCC ID) is available as an E-label within your Dash Cam's System Info pages.

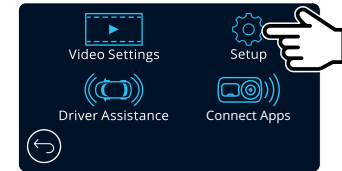
To view the FCC ID please follow the steps below:

### Step 1:



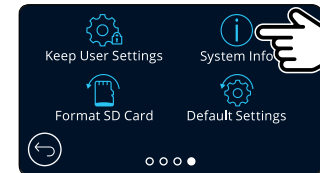
Press the 'Menu' button to enter the Dash Cam's menu system.

### Step 2:

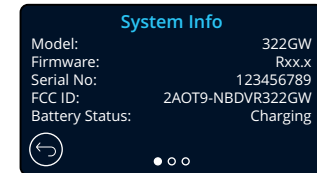


Press the 'Setup' button.

### Step 3:



Swipe through the menu pages and select System Info.



The FCC Identifier (FCC ID) is seen as above.

### Note:

- The Regulatory Information (inc. the FCC ID) is embedded with the Dash Cam's firmware, applied to the gift box and included within this User Manual.
- The FCC ID cannot be changed by the user.

# FCC - Supplier's Declaration of Conformity Statement

## SUPPLIER'S DECLARATION OF CONFORMITY (47 CFR Section 2.906).

We; Tank Design  
(The responsible party, who must be located in the United States)

Hereby, Declare that the essential requirements set out in the 47 CFR Sections 2.906 of FCC, have been fully fulfilled on our product with indication below:

### 1. Applicant's Info

Company Name: Portable Multimedia Ltd  
Mailing Address: Unit 2, Caerphilly Business Park, Van Road, Caerphilly. CF83 3ED. UK  
Contact: Graham Lambert  
Tel: +44 02920 866429  
Email Address: support@nextbase.com

### 2. Product Info

Product Name: Dash Cam  
Model No.: NBDVR322GW  
Brand Name: Nextbase

### 3. Applied Standard

Standards  
E-CFR Title 47 Part 15 Subpart B—Unintentional Radiators: 2018

Report No. WTS19S04021635E

### 4. Test Firm Used to Take Measurements:

Name: Waltek Services (Shenzhen) Co., Ltd.  
Address: 1/F, Fukangtai Building, West Baima Rd Songgang Street, Baoan District,  
Shenzhen, Guangdong, People's Republic of China, 518105  
Contact Name: Philo Zhong  
Tel: +86 755 8355 1033 802  
Email: CB@waltek.com.cn  
Designation No.: CN1201  
FRN: 523476

### 5. FCC Marking



### 6. Responsibilities and obligations

Strictly follow the FCC rules of 2.906, 2.908, 2.909.

### 7. Applicant's Authorisation

Company Name: Portable Multimedia Ltd  
Mailing Address: Unit 2, Caerphilly Business Park, Van Road,  
Caerphilly. CF83 3ED. UK  
Contact person: Graham Lambert  
Signature: *G. K. Lambert*  
Email Address: support@nextbase.com  
Tel: +44 02920 866429  
Date: 30th April 2019

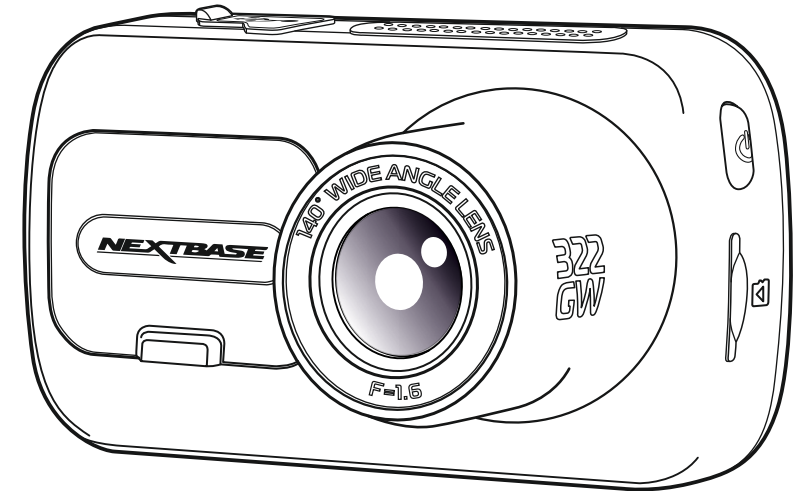
### 8. Responsible party in US.

Company name: Tank Design  
Mailing Address: 158 Sidney Street, Cambridge, MA 02139, United States  
Contact person: Mr Scott Watts  
Signature: *Scott Watts*  
Email address: SWatts@tankdesign.com  
Tel: (617) 388-8380  
Date: 30th April 2019



## Product Specification

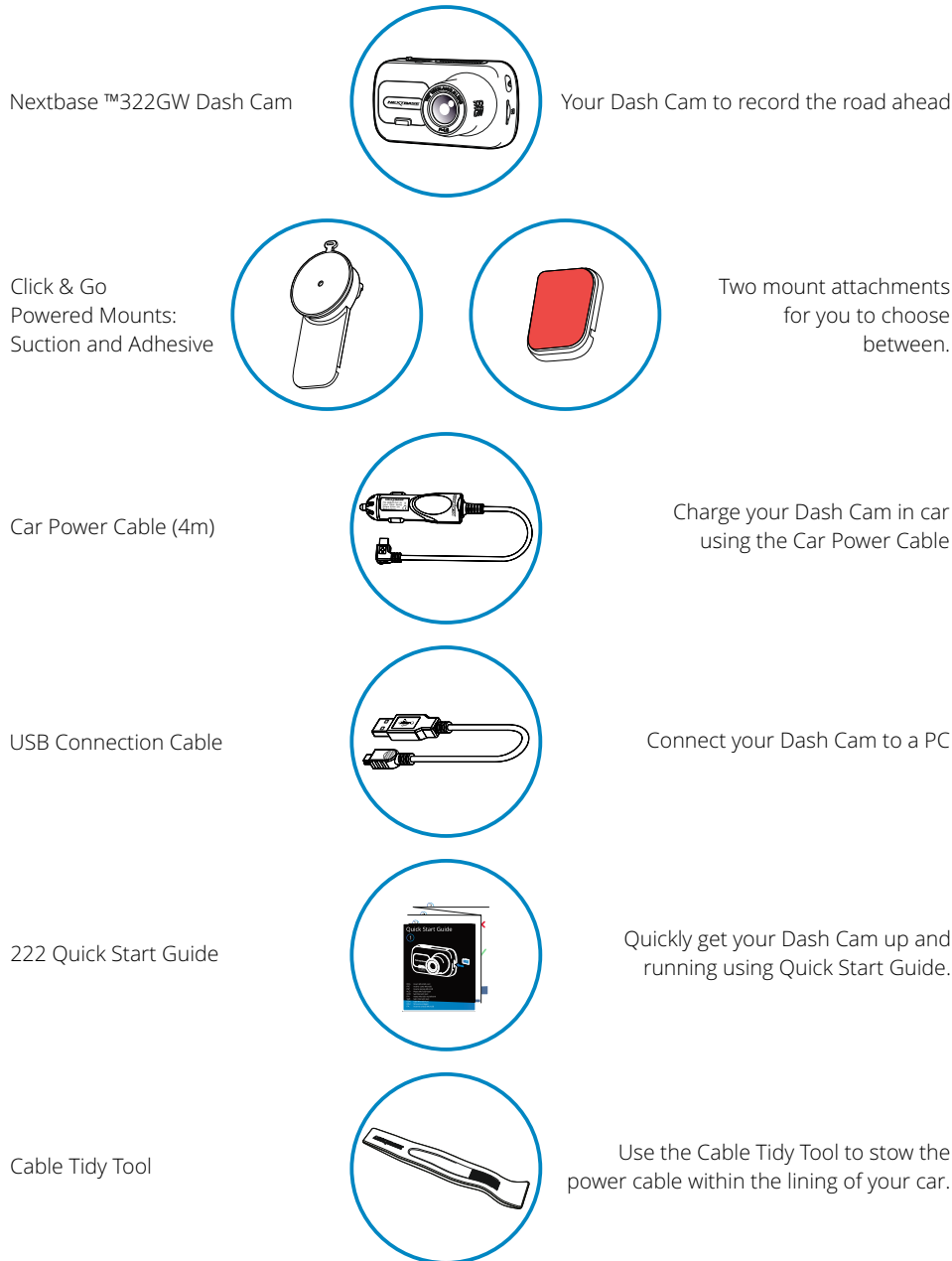
Model Number / Name	NBDVR322GW
Power Requirements	5V / 1.5A
Power Supply	12-24Vdc Car Power Cable (supplied) Fuse Type: 32mm / 2A Output: 5Vdc
	Hardwire Kit also available to purchase for a hidden, permanent power supply.
Sensor Resolution	2.12M Pixel (1936 x 1097)
Lens - Type / Angle / Aperture	5G / 140° / F1.6
Recording Resolution	1920 x 1080 @60fps day & night
Screen Size	2.5"
Screen Resolution	732 (W) X 240 (H) pixels x RGB (720)
Screen Ratio	16:9
Card Reader	MicroSD, Class 10, up to 128GB
SD Card (Recommended Type)	8-128GB SDHC, U3, Class 10 (48mb/s) For best results, use a recognized brand.
SD Card Recorded File Capacity (based on default settings)	8GB MicroSD = 60 minutes of recording 16GB MicroSD = 120 minutes of recording 32GB MicroSD = 240 minutes of recording 64GB MicroSD = 480 minutes of recording 128GB MicroSD = 960 minutes of recording
Recording Format	MP4
Internal Battery	Lithium-Polymer 3.7V / 320mAh (approx. 15 mins recording time) Battery design allows the 'Auto Power Off' feature to function in event of power loss within the vehicle. It is not intended as an alternative power source to replace the supplied car adaptor.
GPS Module	Simple / ST702G-15C40
Unit Dimensions	82 x 46 x 47
Unit Weight	104g



The Bluetooth™ word mark and logos are registered trademarks owned by Bluetooth SIG.  
Windows is a registered trademark of Microsoft Corporation in the United States and other countries.  
Android is a trademark of Google Inc in the United States and in other countries.  
2015 Google Inc. All rights reserved. Google Maps™ mapping service is a trademark of Google Inc.  
Mac is a registered trademark of Apple Inc in the United States and in other countries.  
iOS is a trademark or registered trademark of Cisco in the United States and in other countries.  
Wi-Fi is a registered mark of Wi-Fi Alliance Corporation.  
microSD and the microSD logo are trademarks of SD-3C, LLC.  
MyNextbase Player™, MyNextbase Cloud™, and Click&Go PRO™ are registered trademarks of Portable Multimedia Ltd.

## Package Contents

Please check the contents of your Nextbase Dash Cam product.



Product appearance may differ slightly to that shown above.

## Product Features

Thank you for purchasing this Nextbase™ Dash Cam product, in this section we will outline some of the features available with this dash cam.

### HD Recording Capability

1080p HD recording at 60 fps, to record the road ahead.

### HD Touch Panel Display

Bright, clear, high definition 2.5" screen with IPS technology for a wide viewing angle.

### Click & Go Pro Powered Mount

Our exclusive Click and Go Pro powered magnetic car mount to easily install and remove your Dash Cam with just one hand. Supplied with both adhesive and suction fittings.

### G Sensor / File Protection

In the event of an impact the device will automatically 'protect' the recording, stopping the file from being over-written. This can also be performed manually, by pressing the 'protect' button. Individual files can also be 'protected' when viewed within playback mode.

### Inbuilt GPS

Inbuilt GPS to keep track of your journeys.

### Automatic Start / Stop Technology

As soon as the vehicle ignition is turned on, your Dash Cam will start to record automatically. When the ignition is turned off, the Dash Cam will perform an automatic shutdown process.

### Intelligent Parking Mode

Intelligent Parking Mode triggers recording automatically when motion is detected, keeping your car safe when parked.

### Built-in Microphone & Speaker

Record audio to compliment the video recordings.

### Nextbase Cloud™ Service

View and share your footage online using the MyNextbase Cloud™ service. Upload your video to the Nextbase™ server to get a shareable link to send to friends, insurers, and social media. Upload your videos via the file upload area on [Mynextbase.com](https://mynextbase.com). The uploaded file will be deleted after 30 days, when the link will also expire.

### MyNextbase Connect™

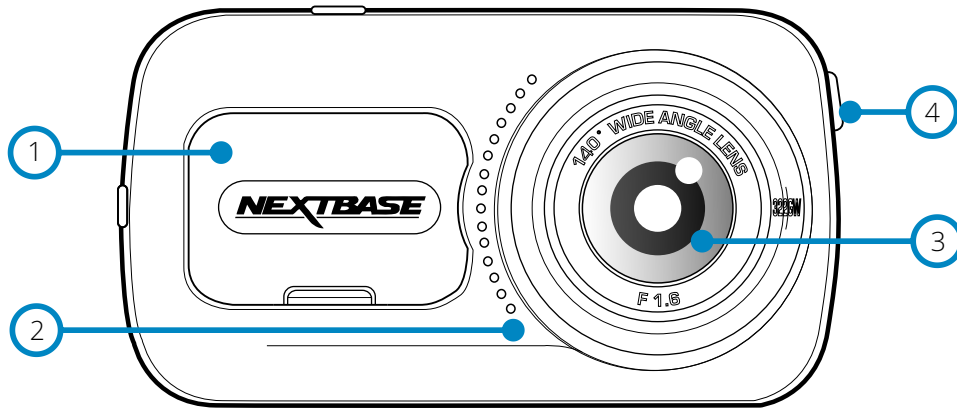
MyNextbase Connect™ is the new Nextbase™ app that allows you to view and manage your videos, upload files to social media, and contact emergency services in the event of an incident.

### Dash Cam Accessories

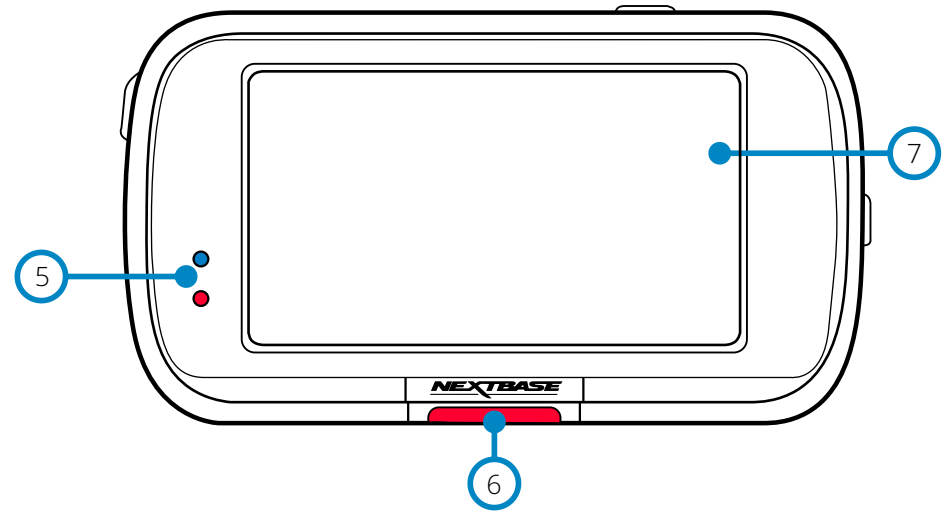
You Dash Cam can be fitted with a range of Nextbase accessories to enhance your recordings, including Rear Facing Cameras to record the road behind you, or the interior of your vehicle. See the Nextbase™ Accessories Manual on [nextbase.com](https://nextbase.com) to view the full range.

## Camera Parts and Controls

See below to identify the parts and controls of your Dash Cam



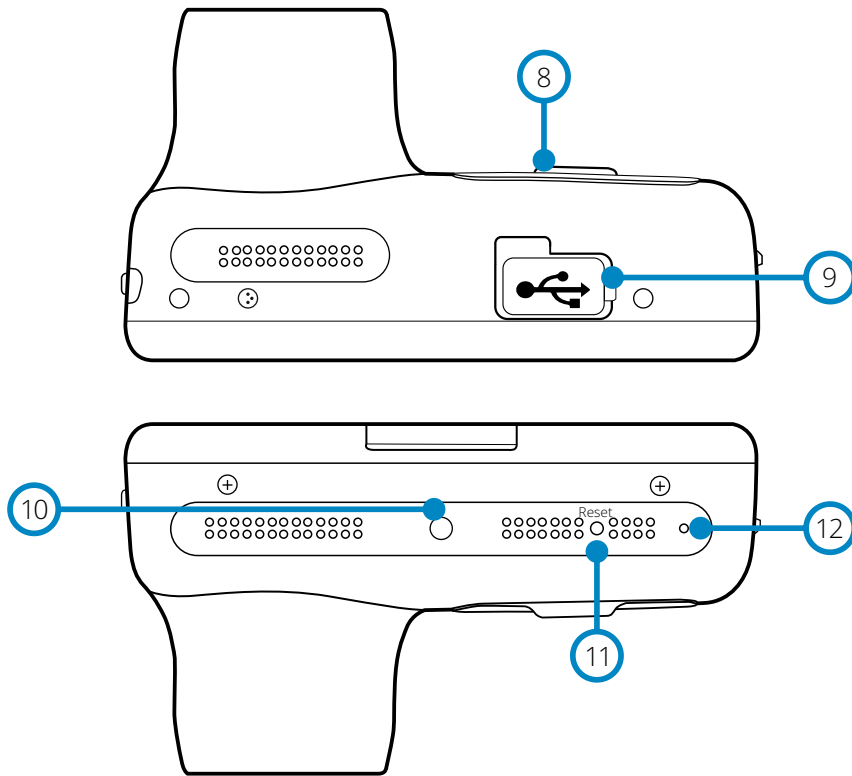
- ① **Dust Cover**  
Mounting point located under the dust cover
- ② **Speaker**  
Integrated speaker for audio playback
- ③ **Camera Lens**  
Wide angle 120°
- ④ **Power Button**  
Press and hold for 2 seconds to turn the Dash Cam On/Off



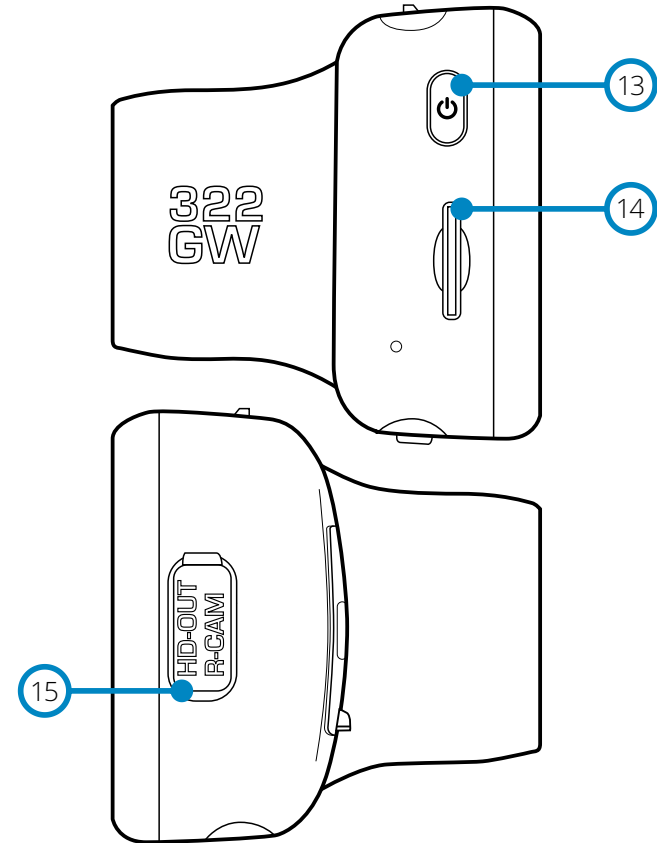
- ⑤ **LEDs**  
Top: Blue  
- The Blue LED will be on while the Dash Cam is charging. It will turn off when charging is complete, even if the Dash Cam is still plugged in.  
Bottom: Red  
- The Red LED is permanently on while the Dash Cam is active. It will flash while recording.
- ⑥ **Protect Button**  
Press whilst recording to protect the current file in event of an emergency situation.  
**Note:**  
- When the 'Protect' function is activated a file containing 10 seconds prior to the incident and 20 seconds after is written to the Protected folder.
- ⑦ **Screen**  
2.5" Inch High Resolution Screen.  
Tap the screen to take a photo; this applies both when recording and when not.  
If a Rear Cam is attached, touch the centre of the Front Facing view to take a photo. This will save 2 photos, one from the Front Facing camera, and one from the Rear Facing camera.

## Camera Parts and Controls (cont.)

See below to identify the parts and controls of your Dash Cam



- ⑧ **Dust Cover**  
Mount point located under the dust cover
- ⑨ **USB Cover**  
USB port located under the dust cover
- ⑩ **Light Sensor**  
Automatically adjusts the screen brightness relative to the ambient light levels.
- ⑪ **Reset Button**  
Press to force the Dash Cam to restart.
- ⑫ **Microphone**  
Integrated microphone for audio recording



- ⑬ **Power Button**  
Press and hold for 2 seconds to turn the Dash Cam On/Off. Short press acts as a back button when in the menus.
- ⑭ **MicroSD Card Slot**  
Insert the MicroSD card here, taking care that the gold contacts are facing towards the rear of the Dash Cam.
- ⑮ **HD-Out/Rear Cam Input**  
Connection point for the Rear Cameras and TV connection, see page xx.