



Please read carefully before use

It is recommended to use a **Class 4** (4Mb/s write speed) Micro **SDHC** card for optimal performance. Some “Extreme Speed” class 10 UHS 2 cards may not function correctly

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IMPORTANT SAFETY INSTRUCTIONS AND PRECAUTIONS

- Read all instructions carefully before use.
- Retain manuals for future reference.
- Use this product only in the manner described.
- Only use a water-dampened soft-cloth to clean the surface of this product.
- The following will damage this product: any liquid such as water or moisture, extreme heat; cold; humidity, dusty or sandy environments.
- Only place this device on stable surfaces and ensure that any attached cables are secure and will not cause the device to fall.
- If charging is required, it is recommended to thoroughly charge electronic devices for the first time overnight. Subsequent charges can be as needed. During charging, or extended use, the product may become warm.
- There are no user serviceable parts in this product.
- Un-authorized attempts to dismantle or repair this product will void product warranty
- Using this device near other electronic devices may cause interference.

PRODUCT CONNECTIONS AND USE



1	Microphone	9	Up Button
2	Suction Mount Fitting	10	Micro SD Card Slot
3	Power Button	11	LED Indicator Light
4	Reset Button	12	Camera
5	Menu Button	13	Speaker (Note: For button sounds only)
6	OK Button	14	Suction Mount
7	Micro USB Port	15	2 nd USB Port (Optional use)
8	Down Button		

WHATS IN THE BOX



FEATURES AND OPERATION

Note: A memory card is required for operation

The NAVC-307 requires a Micro SD card (not included) to record video / image content. (see page 8 for a table showing SD card capacity and the relevant amount of video / image content able to be stored). For optimal performance, we recommend using a Class 4 Micro SD card (the most common type) to ensure fast data transfer rates.

Power on/off function (auto on/off)

To turn on the NAVC-307, press the power button on the top of the device. To turn off, press the same power button. When connected to the 12v DC socket (cigarette socket) of your car, the NAVC-307 will turn on and off automatically when the car's ignition is turned on or off. If the NAVC-307 does not turn off immediately it means the device is completing the file save process before turning off (usually only a few seconds).

If the 12v socket is "constant on" (in some European vehicles), then the NAVC-307 will need to be turned on/off manually by the power button.

Auto Record when turned on

When the NAVC-307 is turned on (either by pressing the power button or auto on) the device will automatically begin recording. To stop recording, press the OK button or disconnect the power cable.

Installation on the car windscreen

The NAVC-307 works best when mounted centrally and high up on the windscreen (typically behind or close to the rear vision mirror). Use the supplied windscreen suction mount to affix the NAVC-307 to the windscreen and then adjust the mount until you can see a clear view of the road ahead on the LCD.

Recording

Turn on the NAVC-307. Recording should start automatically. If not press the "OK" button. When recording, the green indicator LED will begin to flash. The recorded file is saved onto the Micro SDHC Card. Stop recording by either pressing the **OK** button or turning the car ignition off (stopping power to the device)



In the event of an incident / accident – STOP the Recording.

- Due to the "cycle recording" nature of this technology, older recorded files will be overwritten (depending on the chosen resolution settings and the memory capacity of the Micro SD card). For example a 2GB SD card at HD resolution will only offer you 20 minutes of record time before the files (2 or 5 or 15min sizes) start to get overwritten
- Should you wish to KEEP the video footage of an incident from not being overwritten, **stop the recording** soon after an incident has occurred (Either press "OK" or disconnect the power or remove the Micro SD card).
- Alternately use a larger capacity SD card or lower the recording resolution (eg; a 32GB SD card at VGA resolution will offer you 640 minutes of record time) or otherwise use a second Micro SD card as a backup.

Changing between modes

Press and hold the MENU button for 5 seconds to change between modes. Each mode has a unique icon at the top right of the screen.

MODE SETTINGS

To enter the SETTINGS for a selected mode, press the MENU button again momentarily.

Two titles will appear. The first will be named after the MODE which you have currently selected (on the left) and the second SETUP (on the right)

Use the UP and DOWN arrows to navigate each option, the OK button to enter and confirm and the MENU button to toggle across to the SETUP menu.

Press the MENU button a last time to exit the SETTINGS options and to return to the main screen.



Digital Video

Available Options:

Video Output	Options	Action
Size	Select [FHD, HD, VGA]	Select the resolution and size of recorded files
Time Stamp	Select [On / Off]	Records the current date and time onto the video file (date/time is set in the setup options)
Video time	Select [1, 3 or 5mins]	Select the time you wish to record the videos in If using a large capacity card (32GB) 10 minutes is recommended
Motion Detect	Select [On / Off]	When set to "On", the NAVC-307 will begin recording when it senses movement. For example; if the NAVC-307 is left on, the camera will begin recording if the image is disrupted (like a person walking by)
Audio Record	Select [On / Off]	Turns the built in microphone on or off. For privacy this can be turned off so that no audio is recorded.

Digital Still Camera

Available Options:

Capture	Options	Action
Size	[Select] 3, 2, 1.3MP or VGA	3M highest image quality, least amount of photos. 2M high image quality, least amount of photos. 1.3M average image quality, more amount of photos. VGA low image quality, most amount of photos.
Time Stamp	[Select] On, Off	Display the date and time on recorded files

Playback

Available Options:

Play	Options	Action
Delete	[Select] Single, All	Choose to delete the current image or all images.
Protect	[Select] Lock One, All or Unlock One or All	Protect videos or picture so they cannot be deleted.
Thumbnail	[Select] Execute, Cancel	Select image thumbnail view.
Volume	[Select] 0 thru to 7	Select between volumes 0 to 8.

Setup (Hardware)

Available Options:

Note: The Setup options are accessible through any mode.

Setup	Options	Action
Format	Select [Cancel / Execute]	Select "Execute" to format the Micro SD card. Warning: formatting the card will erase all of the content on the card.
Sound Effect	Select [On / Off]	Turn function and button noises ON or OFF when pressed.
Language	Select [English]	Choose a language for the onscreen menu display.
Auto Off	Select [1, 3, 5 mins or OFF]	Used to adjust the time to automatically power off
FW Version	[Display] Firmware Version	Display the Firmware Version
System Reset	Select [Execute, Cancel]	Select OK to return the device settings back to the original factory settings.
Light Frequency	Select [50 or 60Hz]	For older television sets or monitors which cannot auto select the refresh rate frequency, select 50Hz (generally not applicable for newer TVs in Australia/New Zealand).
TV Output	Select [NTSC or PAL]	For older television sets without refresh rate selection. PAL is typically selected for Australia.
Date Input	(Scroll through values and adjust)	Use this option to set the date and time on the device. Should the device not be used for a long period of time and should the battery run completely flat, then the date/time will need to be re-set.
USB	Select [PC Cam or Disk Drive mode]	Change the function of your crash camera to become a PC Camera (Webcam) or an external storage device.
Backlight	Select [15, 30 or 60 sec OFF or OPEN]	Select a time for the LCD to automatically turn off. Typically used for night time driving.



USB Connection

Connect the NAVC-307 to a Windows PC with the USB cable (included). The LCD screen will display a NOTEBOOK icon. Under "My computer" or "Windows Explorer" you should see a drive which will resemble a "Removable Disk (?)" (like a USB Flash drive or Hard drive).

Recorded videos and photos are stored in the DCIM\100DSCIM folder, and the files are named as PICT****. AVI for video, or PICT***.JPG for still images. These files can be played back using Windows Media player or a compatible .avi media player or an image viewer (for images)

Note:

- 1) A Micro SDHC card must be inserted into the device before recording.
- 2) The NAVC-307 supports cycle recording. It will overwrite the oldest video files with new ones. Depending on the size of the Micro SDHC card and the speed rating of the card, there may be as much as a 3 second pause time whilst old files are overwritten with the newer files. This pause time will not be recorded.
- 3) As the NAVC-307 has a DC5V input, please use the original car charger which will step down the car's 12VDC to 5VDC and fuse the circuit in the event of an overload.

Typical Video/Photos Storage Capacity

	Resolution	2GB	4GB	8GB	16GB	32GB
Video	1296 x 1080p (FHD)	10min	20min	40min	80min	160min
	1280*720 (720P)	20min	40min	80min	160min	320min
	640*480 (VGA)	40min	80min	160min	320min	640min
Photo	1M (1280*1024)	11650 photos	23300 photos	46600 photos	93200 photos	186400 photos
	2M (1600*1200)	8400 photos	16800 photos	33600 photos	67200 photos	134400 photos
	3M (2048*1536)	6000 photos	12000 photos	24000 photos	48000 photos	96000 photos
	5M (2560*1920)	3500 photos	7000 photos	14000 photos	28000 photos	56000 photos



Connecting the NAVC-307 in the Car



The above wiring diagram shows a left hand drive vehicle. Wiring path is only a suggestion.

1. NAVC-307 device mounted behind the rear vision mirror.
2. 12v DC cable routed behind rear vision mirror
3. Cable hidden behind roof headlining
4. Cable hidden behind "A" pillar – beware of airbag equipped cars
5. Cable is routed beside the dashboard / near the door hinges
6. Cable is passed under the passenger carpet (or under the dashboard)
7. 12v DC plug is connected to the car's 12v "cigarette socket".



Once the wiring and installation of the NAVC-307 have been completed, please check the following:

- With the car's ignition on (or engine started), the red LED indicator on the NAVC-307 will light up and the LCD screen should turn on. Recording should start automatically. This will indicate a successful installation –
- When the car's ignition is turned off, the device should turn off within 20 seconds. If this doesn't happen then power is still being supplied to the car's 12v socket and the device will need to be switched off manually.



TROUBLE SHOOTING / Q & A

Fault	Suggestion
Device does not turn off	If in vehicle: check that the 12V socket is not still powered (on) when the key is removed (as with some European cars). Wait 20 seconds for file finalisation / closure. Disconnect power lead to device Press "ok" to stop recording, then press power to turn off.
Cant playback the .avi video files	Upgrade your windows media player version or use an alternate media player such as VLC media player
My video/pictures of an incident are NOT there	Check the capacity of your SD card, the files may have been overwritten in the record cycle process. Ensure you STOP THE RECORDING if you want to keep a video/picture of an event otherwise, it will be over written.
The device has frozen / stopped working.	Check the speed of your Micro SD card. We recommend class 4 for faster transfer rates, especially if the record file size is bigger (say 10 min recording increments at 1080p). Press the "reset" button with a paper clip to reset the settings back to default
The date/time is incorrect	Reset the date / time in the settings menu. If the battery runs completely flat, then the date/time will need to be reset
The suction cup keeps coming off	Ensure the windscreen and surface area of the suction cup are clean. In wet or very hot weather, the suction cup mount may need to be reapplied.
Can't see the device in my computer	Check the USB cable connection to the device and USB port. Try another USB port, possibly directly to the PC/notebook (rather than through a USB hub)

PRODUCT SPECIFICATIONS

- True 1080 FHD video recording in AVI format, no special software needed for playback
- Video output: 1080p (not software interpolated)
- Video resolution: 1920*1080P
- Standard .avi video formats and .jpg image formats for maximum playback compatibility.
- Photo output: Maximum resolution is 8 megapixels
- High density CMOS sensor for high quality image capture and processing
- High-speed dynamic video recording, instant response to light environment
- 1.5 inch colour TFT LCD display screen
- On board rechargeable Lithium battery
- 120° HD wide angle lens to capture more detail.
- Loop cycle record in selectable 1, 3 or 5 minute increments
- Time and date stamp on video or still image whilst recording
- USB direct connection to PC (no need for a card reader)
- When in used in a car, automatic on / off when car is on / off
- This device can be charged and record at the same time.
- Supports Micro SDHC up to 32GB. Class 4 cards are recommended
- Built-in microphone

For further product information on this and other products please visit our product web page at www.navig8r.com.au or email support@navig8r.com.au

Warranty Against Defects

Navig8r is a brand sold and marketed by Laser Corporation Pty Ltd ("Laser"). Laser hereby warrants your new product to be free from defects in materials and workmanship for 12 months, from the date of purchase, provided that the product is used in accordance with accompanying recommendations or instructions where provided. The benefit of this warranty is in addition to your rights under the Australian Consumer Law and to other rights and remedies of the consumer under a law in relation to the goods or services to which the warranty relates.

Through a network of retailers and resellers, Laser will provide you with your choice of a refund, repair or exchange (where possible) for this product if it becomes defective within the warranty period. This warranty will no longer apply where the defect is a result of alteration, accident, misuse, abuse, normal wear and tear, neglect or improper storage. Please retain your receipt as proof of purchase

How to make a product warranty claim:

Step 1: Find your receipt which proves the date of purchase. Where the date of purchase cannot be verified, your place of purchase or Laser will make an assessment based on the date of manufacture, the condition of the Laser Product and the type of defect.

Step 2a): Contact your place of purchase. They will assess the nature of the fault and refund or replace the product as per their store refund or warranty policy.

Step 2b): If your place of purchase cannot be contacted, then you can contact Laser. Customer Service with details of your defective Laser Product: Phone: (02) 9870 3388; or Email: support@laserco.com.au or online www.laserco.com.au/warranty (click on "Consumers (End Users)"). Our business address is at 1/6-8 Byfield Street, North Ryde, NSW 2113

Step 3: Laser will issue you with a Return Authorisation (RA) number within 48 hours. When requested, send us the defective Product and a copy of your receipt. Laser will cover the cost of the return delivery.

Step 4: Wait for us to contact you. Once we have received your defective Laser Product for inspection, we will inform you of our assessment of your claim within 7 days. When we contact you, we will firstly let you know whether you have a valid claim under this Warranty, and if so, we will inform you whether your defective Laser Product will be replaced or repaired, together with the number of days you can expect to wait to receive your replaced or repaired Laser Product.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and 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.