



Full HD Front & Infrared Cabin Dash
Camera with 2.0" Screen, WIFI & GPS



DSH-5921R
USER MANUAL





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1.0 CAUTION

- Ensure you are using your Dash Camera within your countries' road laws. Please make sure you are familiar with your local road legislation before use.
- Please set time and date before you use this device to record.
- The notifications given by the Dash Camera are suggestions only, please drive to the actual conditions.
- The system is to be used only for non-commercial use, within the limits permitted by the relevant laws
- The results of GPS positioning are only for reference. The Car Dash Cam will lose GPS positioning abilities when signal is blocked (e.g. driving through tunnels, enclosed car parks).
- GPS positioning accuracy may vary depending on weather and surroundings such as dense cities, tunnels, or forests. GPS satellite signals cannot pass through most solid materials. Tinted windows may also affect the GPS signal.
- The values displayed in this system, such as speed, position, and the distance warning, may be affected by the surrounding environment.
- Avoid using the Dash Camera in the vicinity of any devices that emit radio interference (eg. Microwave Ovens).
- It is considered normal operation for the Dash Camera to get warm during use.

2.0 BATTERY WARNING

- Always charge the Dash Camera using the provided charger. Improper charging of the Dash Camera may result in failure of the internal battery.
- Never dismantle the Dash Camera or expose the internal battery.
- Do not dispose of the Dash Camera in fire.
- Dispose of the Dash Camera observing local regulations being mindful of the internal battery.

- Do not attempt to replace or expose the internal battery.

3.0 SD CARD WARNING

This Dash Camera can only be used with Micro SD Cards, UHS Class 10 or above with 32GB - 128GB storage capacity. Not Included.

NOTES ON INSTALLATION

- It is advised that the Car Dash Cam is installed near the rear view mirror, at the top centre of the windshield for optimal operation.
- The Top camera is enabled with IR so it is advised to use it as internal camera recording passengers . The Bottom camera should be used to record front.
- Please adjust the internal camera so it covers the maximum area inside the car.
- Make sure that the lens is within the range of the windscreen wiper to ensure a clear view when it rains.
- Do not touch the lens with your fingers. Finger prints left on the lens will result in unclear videos or photos. If photos or videos are blurred, please clean the lens gently with a microfibre cloth.
- Do not install the device on a tinted window. Doing so may damage the tint film and restrict the Car Dash Cam's GPS signal.
- Make sure that the installation position does not hinder or block the field of view or GPS signal.
- Only use the included cable to power the Car Dash Cam.
- The DSH-592 IR is designed to be constantly connected to the included power supply, and is **NOT** designed to be used solely with the camera's built in storage.

3.1 PRODUCT INFORMATION

For latest manual and product updates please visit our website at www.dashmate.com.au

4.0 INTRODUCTION

Thank you for purchasing a Dashmate Dash Cam. Please read through instructions before attempting to install or use this product.

This User guide is designed to assist with the day to day operation of the DSH-592IR.

Before attempting to use or install your Dashmate DSH-592IR, please ensure you have read and understood all of the safety notes below.

- Do not expose your DSH-592IR to liquids, excessive dusty conditions or temperatures exceeding 60°C.
- Only use the included cables to power and charge the DSH-592IR.
- Please do not attempt to adjust the DSH-592IR position or settings whilst you are operating your vehicle.
- Please clean the windshield thoroughly removing all dust and dirt particles before fixing the adhesive mount.
- Since the mount sticks onto the windshield using a 3M adhesive, please ensure that the position of the camera is best located to capture the maximum viewing area.
- We suggest you to power-on the dash camera and test the playback image on screen first prior to removing the 3M tape for installation.
- Only remove the 3M tape when you are satisfied with the dash camera placement and image position are delivering the best possible image and view of the road ahead.
- Ensure you are using your DSH-592IR within your countries' road laws. Please make sure you are familiar with your local road legislation before use.

4.1 PACKAGE CONTENTS



1 x DSH-592
IR Dash Camera



2 x 3M Adhesive Plates



2 x Electrostatic films



1 x 12/24V Power Cable



1 x External GPS



5 x Cable Clamps









1 x User Manual

4.2 PRODUCT OVERVIEW



- | | |
|------------------------------------|------------------------|
| 1. Micro USB Power | 12. Front Camera |
| 2. GPS Port | 13. 3M Mounting Slot |
| 3. Reset Button | 14. Micro SD Card Slot |
| 4. Power ON/OFF and Screen Standby | |
| 5. Infrared Light | |
| 6. In Cabin Camera | |
| 7. Menu/Mode | |
| 8. Up and Recording Start/ Stop | |
| 9. OK/Lock File | |
| 10. Down and Microphone ON/OFF | |
| 11. PIP Mode | |

5.0 BUTTON FUNCTIONS AND INDICATORS

No.	Key	Instruction
 MENU	Menu / Mode Button	Press to open the Video Mode Settings, Press again to open General Settings Menu. Press and hold to switch between Record, Photo and Playback mode.
 REC	Up Button	In the Settings menu use the Up Button to toggle between the settings. Press to Start/Stop Recording. Long Press to Switch ON/OFF built in WIFI.
 OK	Lock Recording Button	When DVR is recording, Press OK Button to lock the current file. Locked file won't be over recorded during loop recording. In Setting Menu press the OK button to confirm settings.
 MIC	Down Button	In Settings menu use the down key to toggle between the settings. In Video Mode Short Press to Zoom out. When DVR is recording, short press to turn inbuilt Microphone ON/OFF.
 PIP	PiP Mode	Press PIP button to interchange the camera displays on screen .
	ON / OFF Power Button	Press and hold the Power Button to Power OFF the Device. Press once to switch LCD Screen OFF however DVR will continue recording.

6.0 GETTING STARTED

6.1 INSERTING A MICRO SD CARD

With the Car DVR turned off and the screen facing towards you insert your Micro SD Card (not included) in the slot on the right side of the DSH-592IR with the text on the Micro SD card away from you. Push the memory card in until a click is heard.

6.2 REMOVING A MICRO SD CARD

Ensure that the DSH-592IR is powered off, and with your thumbnail press in the Micro SD Card until a click is heard. The Micro SD Card will eject from the DSH-592IR when released.

NOTE:

- Micro SD Card is not included.
- Do not remove or insert the memory card while the Car DVR is turned on as this may damage the memory card or corrupt the memory cards stored data.
- Please use a UHS Class 10 or higher rated micro SD card with a minimum capacity of 32GB and a maximum capacity of 128GB.
- Please format the Micro SD card before the initial use.
- When removing the memory card, be careful as the card may eject quickly.

6.3 INSTALLING THE DSH-592IR

1. **OPTIONAL:** Remove the protective layer from the Electrostatic film (Provided) and place it on you wind screen. This helps to easily remove the 3M adhesive from your wind screen without any adhesive residue.
2. Remove the protective stickers from the Car DVR and the 3M mount.

3. Press the mount base firmly against the windscreen and hold for 30 seconds.
4. Insert the power cable adapter onto the dash camera power socket.

NOTE:

- Please ensure that the top camera is used for internal recording and the bottom camera for front view.
- Top camera has IR (Infrared) night vision capability.

7.0 CONNECTING TO POWER

Only use the included charger to power and charge the Car DVR.

1. Once the Car DVR is securely installed on your vehicle's windscreen, plug the DC Power Plug into your vehicle's cigarette lighter.
2. Run the power cable along your vehicle's console and windscreen and plug the USB Micro plug into the Car DVR and the USB A end into the DC Power Plug.
3. Both Cameras will instantaneously start recording after DVR is powered ON.
4. Both Front and Rear Camera images will be displayed on your Dash Camera's 2.0" Screen, use the DOWN Key to switch between camera modes.

Screen display can switch between:

Full Front camera view, Full in cabin camera view, Full Front with small window front cabin camera

NOTES:

- It is recommended that the Car DVR is installed behind your vehicle's rear view mirror but ensure that the in cabin view is not obstructed.
- Make sure that the camera view is not obstructed by any window tint or any other objects.

- The DSH-592IR is designed to be constantly powered by the included DC Power Plug. The super capacitor holds a charge but is NOT designed for primary use.
- The top camera has Infrared built-in which is ON by default, this will result in the in-cabin camera always recording in black and white only.
- You can change the top camera infrared light settings by following the steps as described in section 11.2.
Infrared camera OFF: IR will be switched off meaning the in cabin recording will be dark in low light conditions.
Auto Infrared: IR will switch ON when it detects low light conditions. In light conditions there may be some false colours (purple tint) shown on recorded videos.

8.0 LED INDICATOR

Flashing LED behind the REC /UP key indicates the DVR is recording.

9.0 POWERING THE DSH-592IR ON/OFF

9.1 AUTO POWER ON/OFF

When the car DVR is correctly installed and connected to your vehicle's 12v power supply, the car DVR will automatically power up and start recording when the vehicle accessories are activated.

9.2 MANUAL POWER ON

Hold the Power button on lower left hand side of the camera until the Dashmate start up screen appears.

9.3 MANUAL POWER OFF

Press the Power button on the lower left hand side of the car DVR. After powering down the device please wait for 10 seconds before turning the Car DVR back on.

9.4 RESET THE CAR DVR

If the Car DVR does not function normally, try restarting the car DVR. To restart, press the reset button on bottom left, just above the power ON/OFF button.

10.0 INITIAL SETTINGS

Before using the Car DVR we recommend formatting the inserted micro SD Card and setting the correct time and date.

10.1 FORMATTING A MICRO SD CARD

Formatting the Micro SD card will delete all information on the inserted Micro SD Card and prepare the card for use with the Car DVR.

1. Press the REC Button to stop the Car DVR from recording.
2. Short Press the Menu Button twice to enter the Settings/Setup Menu.
3. Use the UP and DOWN Buttons to navigate the Settings Menu and highlight the format setting and press the OK to select.
4. Press OK again to format.

NOTES:

- Menus cannot be accessed while the camera is recording. Please stop the recording before attempting to access the menu.
- Formatting your Micro SD Card will delete all files from the card. Once these files have been deleted you will not be able to recover them.

10.2 SETTING THE TIME AND DATE

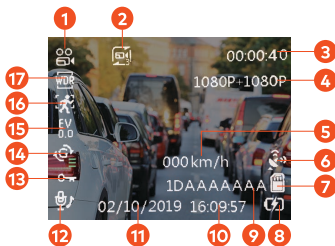
Setting the Time and Date allows you to stamp your footage with the time as a reference.

1. Press the REC Button to stop the Car DVR from recording.
2. Short Press the Menu Button twice to enter the Settings / Setup Menu.
3. Use the UP and DOWN Buttons to navigate the Settings Menu and highlight the Date/Time and press OK to select.

- Use the UP and DOWN buttons to edit the selected digit and the MENU button to confirm and progress to the next digit. The final field sets the format that the date will be presented in, pressing the OK button with this field highlighted will save the date and time and return you to the settings menu.

11.0 INTERFACE

11.1 VIDEO MODE



- Video Mode**
- Loop Recording:** Shows status of Loop recording with time duration
- Time:** Total Recording duration (00.00.00)
- Resolution:** FHD + FHD Resolution
- Speed Display:** Shows speed
- GPS Signal:** Turns Green when connected
- Micro SD Card:** Indicates inserted SD Card
- Battery:** Indicates Battery level and charging status
- Licence Plate:** Shows license plate number
- Time:** (00:00:01)
- Date:** (01/01/2019)
- Microphone:** Turns ON or OFF the Microphone
- Lock File:** Current Recorded File Locked indicator

14. **G-Sensor:** The highlighted bar indicated the sensitivity of G-Sensor with 1 Bar indicates Low Sensitivity
15. **EV:** Shows Exposure set level
16. **Motion Detection:** Shows Motion Sensor is ON or OFF
17. **WDR On**

11.2 VIDEO MENU

To enter the Video Menu

1. Press the OK Button to STOP Recording
2. Press the Menu Button
3. Press UP and DOWN key to navigate and press OK to enter into selected setting

Menu	Select Settings	Description
Resolution	FHD P30 + FHD P30 HDP60 + HDP60	Higher resolution gives your footage more detail but uses more storage space. Lower resolution saves storage space. Default: FHDP30+FHDP30
Loop Recording	OFF / 1, 3 Minutes	Loop Recording defines the length of time the DSH-592IR records before creating a new file. Using the off setting will record the longest possible loops under the file size of 1 GB (around 5 minutes). Default: 3 Mins

VIDEO MENU CONT'

Menu	Select Settings	Description
Exposure	-2.0/-1.7/-1.3/ 1.0/-0.7/-0.3 /0.0/ +0.3/+0.7/+1.0/ +1.3/+1.7/+2.0	Exposure compensation allows you to adjust and control the level of exposure, when in driving in low light, the exposure value (such as + 1EV, + 2EV) can be increased to highlight the clarity of the picture. Default: 0.0
Motion Detection	ON/OFF	DVR will stop recording if it doesn't detect any motion and will immediately start recording if it detects motion. Default: Off
Microphone	ON/OFF	Turning this setting off mutes the built in microphone. Default: On
Date Stamp	ON/OFF	Turning this setting off will lead to no date stamp on the recorded video. Default: On
GPS Stamp	Speed OFF/ Speed ON	Turning this setting off will lead to no speed stamp on the recorded video. Default: On

VIDEO MENU CONT'

Menu	Select Settings	Description
G Sensor	OFF/High/ Medium/Low	To adjust the sensitivity of the G-sensor. High is the highest sensitivity and low is the lowest. Default: Low
License Plate	Input License Plate	Input your car number plate and it will be watermarked on the recorded footage. Up and Down Keys to change input. M Key to select next. OK Key to exit.
Infrared light	OFF / ON / Auto	OFF: Will disable IR, in cabin recording will be dark in low light conditions. ON: IR will be permanently ON, recording will always be in Black and White i.e without colour. Auto: IR will only switch on when camera detects low light conditions. Recording in day light or light conditions will have some false colour. Default: ON Applies only for in cabin camera.

11.3 SETUP MENU

To enter the Setup Menu

1. Press the OK Button to STOP Recording
2. Press the MENU Button twice
3. Press UP and DOWN key to navigate and press OK to enter into selected settings

Menu	Select Settings	Description
WIFI	ON/OFF	To Switch ON/OFF WIFI. Default: On
Date/ Time	Set Date and Time	Using the UP/DOWN and MENU buttons to enter the date and time (24hr clock) to stamp onto your footage. Once you have finished use the OK button to save and return to the Settings Menu.
Keypad Tone	ON/OFF	Mutes keypad button beeps. Default: On
Language	Select language	Select menu language. Default: English
Auto LCD Off	OFF/1/3/5 Minutes	Auto Screen Saver setting determines the amount of time before the display screen turns off. (DSH-592IR will keep on recording even the display is off). Default: 1 Min

SETUP MENU CONT'

Menu	Select Settings	Description
Speed Unit	KMH MPH	To adjust the speed unit in DVR. Default : KM/H
Flicker	50Hz / 60 Hz	Screen Hz setting. Default: 50 Hz
Storage	Displays the storage space on SD card in different default folders.	Displays the storage space on SD card.
Format	Cancel/OK	Format the inserted Micro SD Card, deleting all photos, videos and data.
Default Setting	Cancel/OK	Restore factory settings.
Version	Displays the installed firmware version	Displays the installed firmware version.

11.4 PHOTO MODE

To enter Photo Mode

1. Press the OK Button to STOP Recording
2. Press and hold the MENU Key to enter in Photo Mode
3. Press again to enter Photo Mode Settings



1. Photo Mode
2. Captured images remaining in memory
3. Resolution
4. Picture Sharpness
5. SD Card
6. Battery charging status
7. ISO
8. White Balance
9. Exposure

Menu	Select Settings	Description
Resolution	12 M / 10M / 8M / 5M / 3M / 2M / 1.3M and VGA	Higher resolution gives your Photos more detail but uses more storage space. Lower resolution saves storage space. Default: 12 MP
Quality	Normal / Fine / Super Fine	To select the sharpness of picture quality. Default: Fine

Menu	Select Settings	Description
White Balance	Auto / Daylight / Cloudy / Tungsten / Fluorescent	To Select the picture options. Default: Auto
Colour	Colour / Black & White / Sepia	To Select the colour options. Default: Colour
ISO	Auto / 100 / 200 / 400	To change the AUTO setting. Default: Auto
Exposure	Settings is same as what is set in Video mode	To change exposure settings Please go into video mode - explained in previous section.

12.0 GPS

GPS will record your coordinates and the speed of every travel. Coordinates and the speed will be watermarked on the recorded videos.

After connecting the GPS cable (provided) in the socket on the Dash Cam, the GPS symbol will turn green on the display which will show that Dash Camera has connected with satellites. The vehicle speed will be displayed on the dash camera's screen.

13.0 VIDEO/PHOTO PLAYBACK

Press and hold the Menu button twice to switch playback mode, the playback icon will be shown on the LCD top left corner:

1. Press the UP/DOWN button to select the file (Video/Photo) to Play back
2. Press OK button to Play/Pause.
3. Press UP/DOWN to Zoom in or Zoom out.
4. Press the M button for options: Delete, Protect or Slide Show.
5. Press UP/DOWN button to select and press OK to confirm.



- | | |
|---------------------------------|-------------------|
| 1. File Name | 6. Battery Status |
| 2. File recorded resolution | 7. Pause/Stop |
| 3. SD Card | 8. Forward |
| 4. Date stamp of recorded video | 9. Rewind |
| 5. Time of recorded video | 10. Play |

14.0 SOFTWARE PLAYBACK

The Inbuilt GPS unit will record your vehicles speed and GPS location for playback alongside your footage when viewed on a computer.



To play back the GPS footage, Please download the player from www.dashmate.com.au and search for your appropriate model and run it on your computer.

To view images from Dash Camera, you will need to remove the Micro SD Card and transfer the files to you computer using a Micro SD Card Slot or compatible USB adapter.

Once files have been transferred to your computer, please select the folder and select the file you wish to view or playback.

15.0 INSTALLING APP ON SMART PHONE

Please download the DSH-592IR App from the Google Play Store or Apple App Store depending on your mobile device.

After successfully downloading and installing the app on your mobile. Search for DSH-592IR-XXXX (the last 4 digit are unique to each dash camera) WIFI connection and connect it on your mobile device by entering password "12345678".

Open the app and sync it with the DVR, this allow you to access your the videos and app settings.

16.0 WARRANTY TERMS & CONDITIONS

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 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.

This warranty is provided in addition to your rights under the Australian Consumer Law. Directed Electronics warrants that this product is free from defects in material and workmanship for a period of 12 months from the date of purchase or for the period stated on the packaging. This warranty is only valid where you have used the product in accordance with any recommendations or instructions provided by Directed Electronics.

This warranty excludes defects resulting from alterations of the product, accident, misuse, abuse or neglect. In order to claim the warranty, you must return the product to the retailer from which it was purchased or if that retailer is part of a National network, a store within that chain, along with satisfactory proof of purchase. The retailer will then return the goods to Directed Electronics.

Directed Electronics will repair, replace or refurbish the product at its discretion. The retailer will contact you when the product is ready for collection. All costs involved in claiming this warranty, including the cost of the retailer sending the product to Directed Electronics, will be borne by you.

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17.0 NOTES

TECHNOLOGY DRIVEN™



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