



K4 DASHBOARD CAMERA



USER MANUAL

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Wide Dynamic Range

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Locked videos will be saved in the EVENT folder. Locking a video will prevent it from being overwritten. A maximum of 50 videos can be locked. If you continue to lock videos, new locked videos will overwrite the oldest locked video

Loop Recording.....P.15
Records video clips of 1, 3 or 5 minutes in lengths. The standard loop recording technology prevents storage overload by erasing the oldest previously recorded file and replacing it with the new one.

G-Sensor.....P.15
If the G-sensor picks up high amount of lateral G in any direction the camera will automatically lock the video files associated with this movement. Data is stored as an 'EVENT' file.

Picture mode.....P.10
Still images can be taken.

Preview mode.....P.12
Video footage and pictures can be viewed on the 2.7" LCD display

Parking Monitor.....P.10
Can be considered as perfect police eyes, recording everything that happens around your car when you leave.

GPS Player Software.....P.19
This intelligent software shows your location, speed, G-reading and direction of travel.

LDWS.....P.18
Lane Departure Warning system.

Speed Camera Alert.....P.14
Will Alert you of speed cameras. Database covers most cities in the UK.

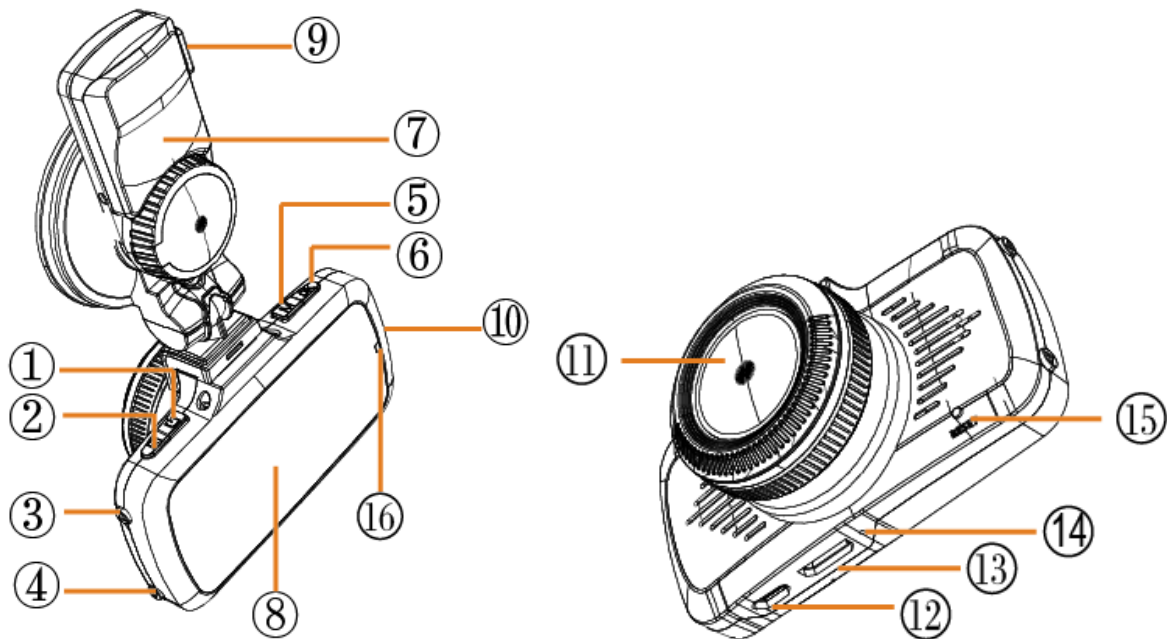
LED indicator

	Indicator	Meaning
Blue light	On	Charging when K4 is turned off.
	Off	Finish charging
Red light	On	Not recording. Charging battery.
	Flashing	Recording.

FEATURED ACCESSORIES

<p>Camera Body</p> 	<p>Suction Cup/GPS Module</p> 
<p>In Car Charger</p> 	<p>USB Data Cable</p> 
<p>Manual</p>	<p>16GB (Class 10) Micro SD Card</p>
<p> In car DVR with GPS</p>  USER MANUAL	

K4 STRUCTURE



- | | |
|---------------------------|-------------------|
| 1. Power Button | 9. Power port |
| 2. MENU Button | 10. SD Card port |
| 3. UP button | 11. Camera Lens |
| 4. Down button | 12. USB port |
| 5. MODE Button | 13. HDMI |
| 6. Record/OK | 14. MIC |
| 7. Suction Cup/GPS Module | 15. Reset |
| 8. Display | 16. LED indicator |

SETTING UP YOUR K4 DASH CAM

Routing the power cable:



1. Use the supplied in-car Charger Cable.



2. Hide the cable along the headliner and down the A pillar.



3. Continue to route the rest of the cable underneath the carpet.



4. Plug into the cigarette power port.

Please note, routing of the power cable may require professional assistance.

ATTACHING THE SUCTION MOUNT AND DASH CAM

- When the power cable has been routed place the suction cup behind the rear view mirror.
- Before placing the suction mount onto the windscreen make sure the bracket is at 90 degrees. When it locks out and becomes straight (As seen in picture) it will create a strong suction hold.
- The power cable must be plugged into the top of the mount. This will power the GPS module which is integrated into the suction mount.








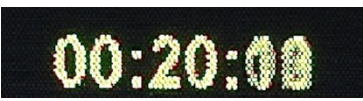

- Clip the Dash Cam body into the bottom of the suction mount.
- To unclip the Dash Cam body from the suction mount, push the small tab up. The body then can be pulled free from the mount.
- Check if the lens of the Dash cam is centred. Rotate the body to adjust shooting angle to give a good view of the road.



MAIN INTERFACE FUNCTION:



	Icon	Function instruction
1.		When the Red dot is flashing Recording is in progress. The time will not reset with loop recording and will only reset when the journey has come to an end or if no motion has been detected.
2.		The default video proportion is 16:9, if set at 2560x1080 30P, then the proportion will be 21:9.
3.		This will display in the top left hand corner when you are in Picture mode .
4.		Current record Resolution . There is 4 resolution options: 2304x1296 30fps, 256x1080 30fps, 1280x720 30fps, 1280x720 60fps.
5.		This explanation mark will appear in the centre of the screen when the Emergency Recording is activated. If the G sensor picks up vibrations it will automatically start the Emergency Recording . Pressing the ▲ button during recording will also activate the Emergency recording .
6.		This symbol means the MIC is active and is recording sound. By pressing the ▼ button during recording it will turn off the MIC and stop recording sound. The symbol will have a line through it when MIC is deactivated.
7.		Displays the Remaining/Used Memory on the SD card.
8.		Charging indicator light. When the K4 is not plugged in it will display a Battery indicator. The Battery is for backup purposes. If the K4 suddenly loses power it will save the last file before shutting down correctly.

9.		N meaning North. This symbolizes your Direction of Travel . GPS must be turned on for this feature to work.
10.		This symbol means GPS Disabled . When the GPS is enabled the red cross will disappear. The K4 can take up to a few minutes to successfully obtain a GPS signal. An audible notification will be heard when it has successfully connected to GPS .
11.		This icon means the Wide Dynamic Range function is on. More about WDR on page 17.
12.		This icon means that Motion detection is activated. This is a great way to make sure you always capture all movement in front of your dash cam.
13.		Speed rating . When GPS is enabled this will give you an accurate reading of your current speed. The Speed rating can be changed to KPH with a Firmware update. More about Firmware updates on page 20.
14.		Time . This will be stamped onto the video. The Time can be adjusted in the menu.
15.		Date . This will be stamped on the video. The Date can be adjusted in the menu.

INSTRUCTIONS

The K4 will turn on automatically when it receives power.

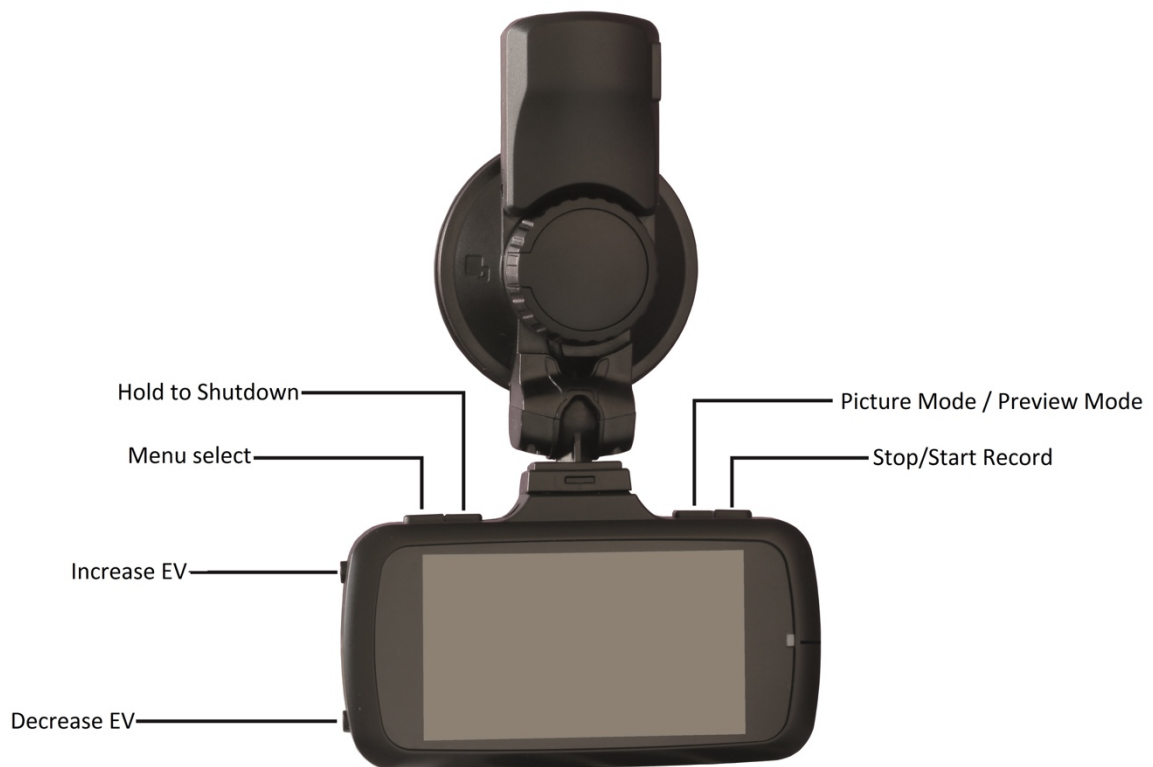
When the SD is located it will automatically start recording. Turning **Motion detection** on will start the recording when ever the camera picks up motion.

When the K4 is Not Recording the Mode button (M) can be used. This will toggle through the three different modes on the Camera - **Recording mode, Picture mode and Preview mode.**

More about **Picture mode** and **Preview mode** on page 11, 12 and 13.

Increasing and Decreasing **EV** will adjust the **ISO** or the brightness level.

Below are the button functions for when the dash cam is **Not Recording.**



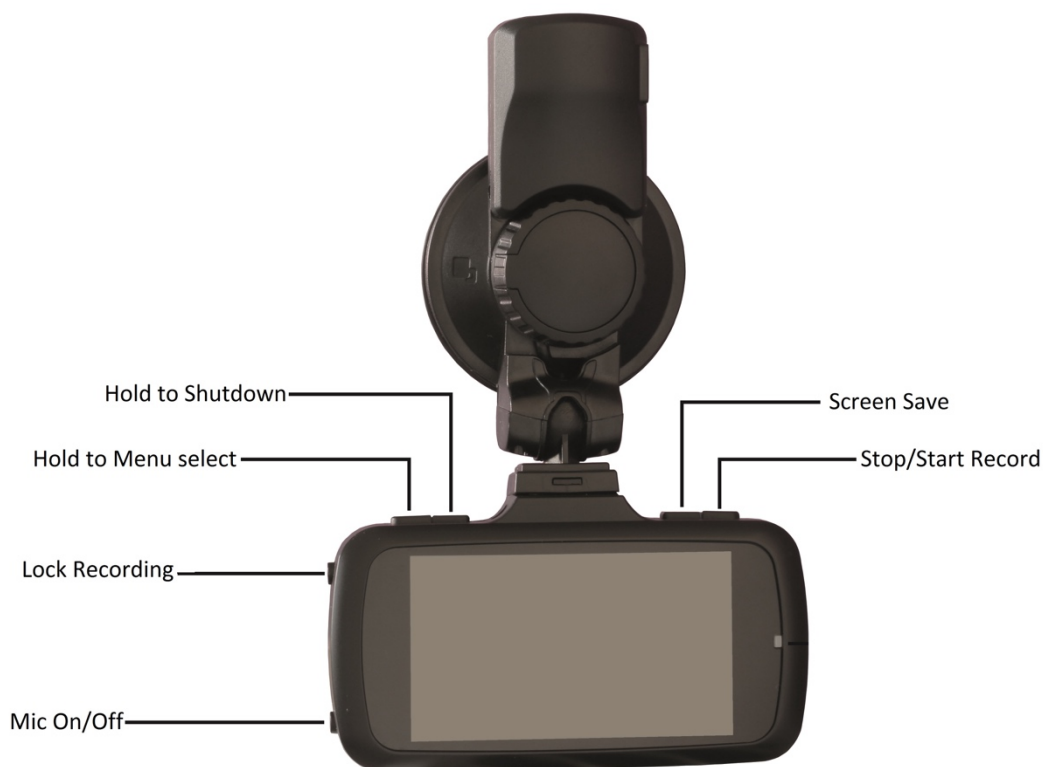
RECORDING MODE

The **Screen Save** button will turn off the screen. This will continue to record footage and can also be set in the menu.

The **Lock Recording** button will save video footage in the 'Event' folder. More on Emergency recording on page 2.

The **MIC on/off** button will toggle sound from being recorded.

Below are the button functions for when the K4 is **Recording**.



PARKING MONITOR

To use your K4 as a **Parking Monitor**, **Motion Detection** must be active. The **Parking monitor** will also use the G-sensor to provide a watchful eye over your vehicle when you are not there.

To start the parking monitor simply press the screen save button. This will then put the K4 on idle and use very little power.

If motion is detected or the G-sensor picks up a sudden movement the K4 will automatically start recording.

The K4 must have a power supply for this feature to work.

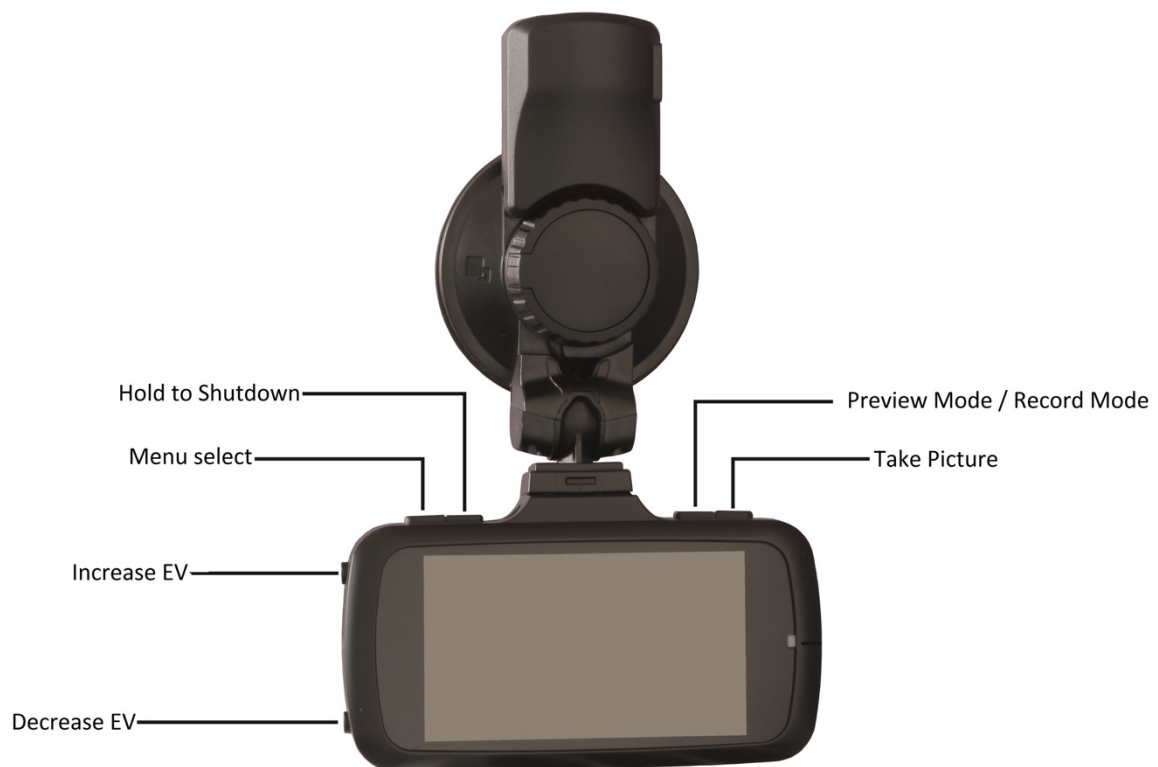
If your cigarette lighter does not supply constant power, then hard wire kits are available from our website.

PICTURE MODE

In **Picture mode** still images can be taken.

Increasing and Decreasing **EV** will adjust the screens brightness level

Below are the button functions for when in **Picture mode**.



PREVIEW MODE



Normal Folder

The files in this folder will automatically be overwritten when the the SD card is full.



Event Folder

The files in this folder will be locked. Locking a video will prevent it from being overwritten.

Pressing the (M) button will navigate through the 'normal' & 'event' folders when in **Preview mode**.

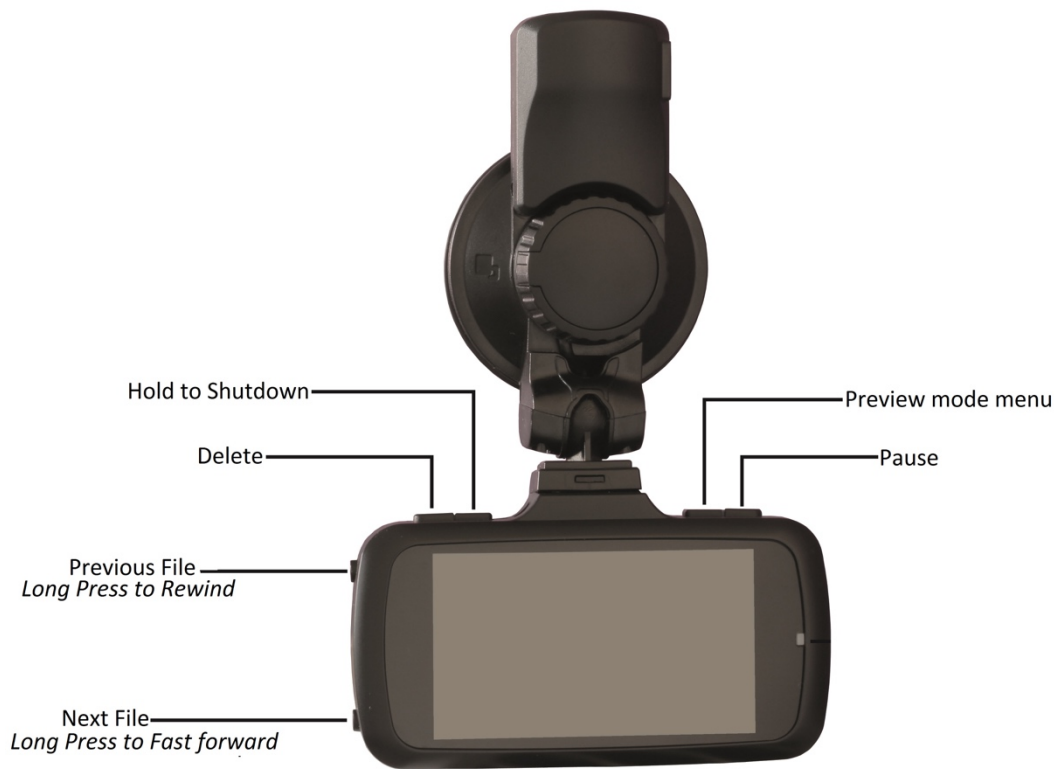
By clicking the **File select** button this will play your footage back on the screen.

Below are the button functions for when in preview mode.



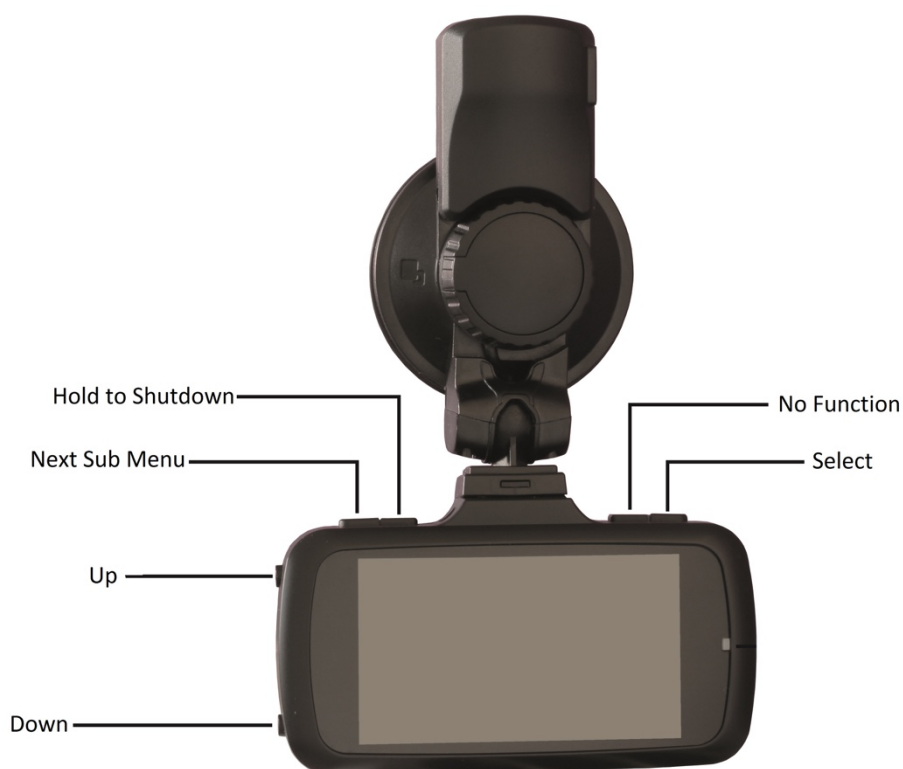
PREVIEW MODE (WATCHING YOUR FOOTAGE)


Below are the button functions for when your footage is playing.



MENU

Below are the button functions for the **Menu**



	Menu	Options	Information
	Volume	0 - 9	Adjust K4 speaker volume.
	Overspeed	Off, 60 KPH 140KPH	Will sound alarm if in excess of selected speed.
	Area	Auto, 400m 1000m	Speed camera Alert. Firmware updates are available for the latest speed camera database. More about Firmware updates on page 20.
	GPS	On / Off	To record speed, location ect, GPS must be turned on.



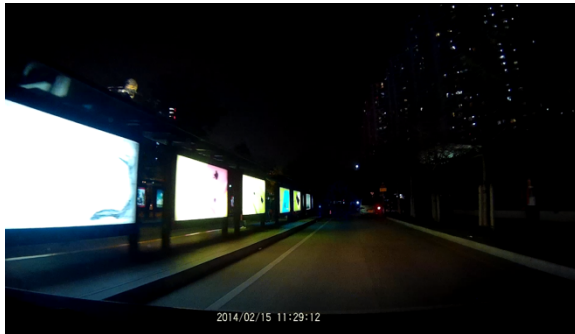
Menu	Options	Information
Resolution	1920x1080 30fps, 2304x1296 30fps, 2560x1080 30fps, 1280x720 30fps, 1280x720 60fps	Default : 1920x1080
Quality	Normal, Fine, S.Fine	Default : S.Fine
WDR	On / Off	More info on Page 17.
Time Stamp	On / Off	Time will be stamped onto the video footage in bottom corner.
Loop Recording	1min, 2min, 3min, 5 min	More info on loop recording on page 2.
G Sensor	Class 1 (High) Class 7 (Low)	Lateral G Detection sensor.
Motion Detection	On / Off	Will automatically start recording when motion is detected.
Record Audio	On / Off	Toggles Mic On / Off
Fatigue Warning	Off 1 Hour 4 Hours	Alert for prevention of falling asleep while driving.
GPS Track	On / Off	Must be turned on to add GPS location to video files.
LDWS Calibration	-	More info on LDWS Calibration on page 18.
LDWS	On / Off	Lane Departure Warning System



Menu	Option	Information
Date/Time Setup	MM/DD/YYYY HH:MM	Date/Time can be adjusted. GPS will sync time.
Frequency	50Hz, 60Hz	Screen Frequency
AE Meter	Centre, Spot, Average	How the Camera estimates exposure to light.
Screen Saver	Constant Light, 15sec 5mins	Turns the screen off during recording.
Beep Sound	On / Off	Toggle Beep sound
Plate Stamp	Off / Ent. The plate	Enter your number plate number to be stamped onto your video footage.
Speed Stamp	On / Off	Speed rating stamped onto your video footage
Time zone	GMT 00:00	Set the time zone. With the GPS connected it will sync to the correct time zone.
Image Rotation	On / Off	Flips the picture 180 Degrees for reverse mounting.
Language	English, Russian	-
Format	-	Format the SD Card
System Info	-	-

WDR

Wide Dynamic Range is an advanced photosensitive image processing technology. Videos processed by WDR will be clear even when recorded in a strong contrast of light and shade environment. The image will not be overexposed or dark.



(WDR OFF)



(WDR ON)

LANE DEPARTURE WARNING SYSTEM (LDWS)

With the GPS and LWDS feature enabled the K4 dash camera can see lane markings on the road to warn you when your vehicle drifts from the current lane. The warning is an audible and visual icon displayed on the DVR screen.

Calibration

To Start the LWDS Calibration please select LDWS calibration in the Menu.



Push the '**OK**' button to start

Use the '**UP**' and '**DOWN**' buttons to adjust the purple line. The **Purple** line must line up with the horizon of the road. Press '**OK**' to move to the **Red** line.

The **Red** line must line up with the top of the Bonnet. After adjusting, press '**OK**' to exit LDWS calibration.

You must adjust the purple and red lines accurately. If the distance between the purple line and red line is too big (pic 1), it will make an alarm sound.

If the distance is too close (pic 2), the LDWS will not work.



(Pic1)



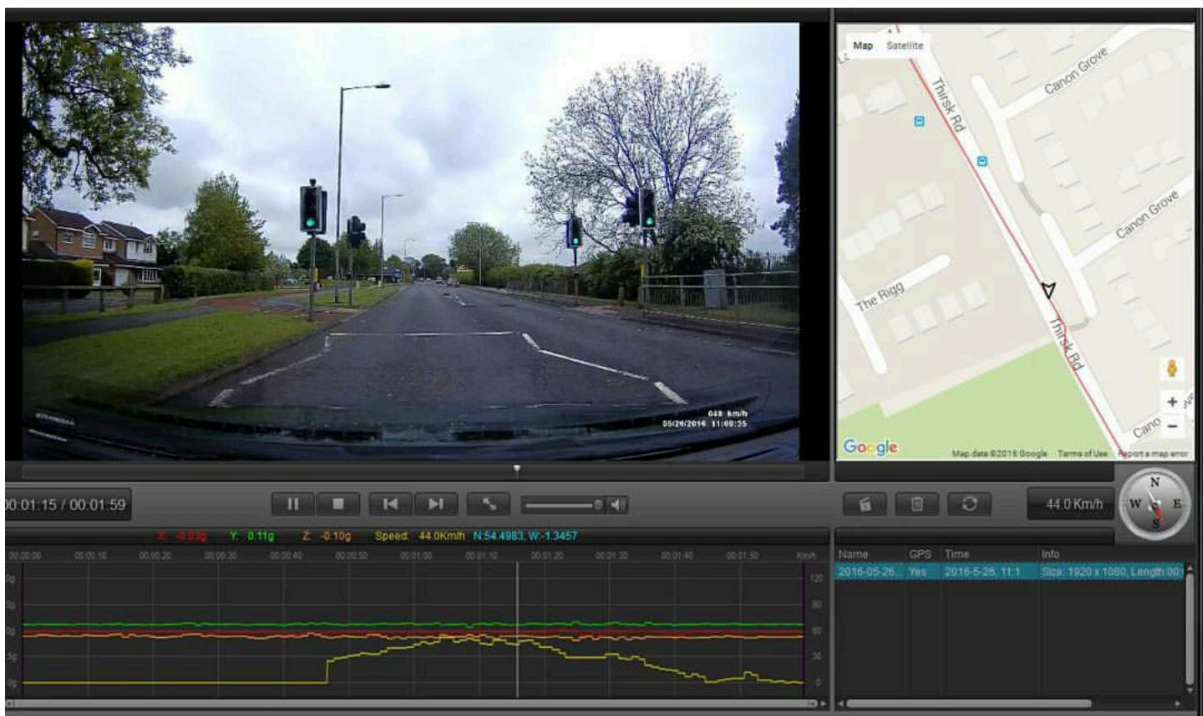
(Pic2)

GPS PLAYER SOFTWARE


Use the supplied **Car Recorder Player Software** to show your location, speed, G-reading and direction of travel.

Installing the software

Connect the Dash cam to your PC using the supplied Data cable or use an SD card adapter. The K4 automatically transfers over the installation file onto the SD card when you starting using it.



This is the home screen for the **Car Recorder Player**.

To attach a video file push the  button.

To view your location, you must select 'Google maps' which can be found in the menu. The menu tab can be found in the top left hand corner.

CUSTOMER SUPPORT

CAMTOURS is dedicated to providing the best possible service.

To contact us please visit our website at www.camtours.online

Download Firmware for Speed Rating changes and speed camera database updates at www.camtours.online/downloads

You can also find us on facebook at www.facebook.com/camtoursuk



TECHNICAL SPECIFICATIONS:

DVR chip: Ambarella A7LA50
Input voltage: DC 5V
Work current: ≤600mA
Charge current: >120mA
Battery: 280mAH
G-sensor: support
Camera: 170 wide angle, 12 Mega pixels
Display model: 16 : 9, 2.7 inch
Video format: MP4
Display resolution: 320*240
SD card specification: 8GB Min, 64GB Max Class 10
HDMI output: Support
Voice record: In Built MIC
Support computer system: Windows/2003/XP/vista/Win7