

PRODUCT SPECIFICATION

Product Name	EL6270 HD Car Black Box
Features	High-definition Video and High-resolution Camera.
LCD screen size	2.5 inches
Camera	120 degree viewing angle
Language	Russia, Japan, France, Italy, Germany, Western, English, Chinese (simplified), Chinese (Traditional), Korean etc.
File Format	AVI
Video resolution	Maximum 1280 x 720 without interpolation
Continuous loop video	Seamless looping video
Auto on	Supports auto ignition boot and shutdown
Carrier media	Built-in Memory (total: 32MB)
Photo format	JPEG
Memory card	TF (up to 32GB)
Motion Detection Function	Yes
Microphone	Yes
Built-in Speaker	Yes
Night Vision	Yes
Video Output Socket	HDMI
Video Format	PAL / NTSC
Frequency	50HZ/60HZ
USB function	1:USB-Disk 2: PC-Camera
Power	5V 800ma
Battery	Built-in 300mAh

Note: we reserve the modification right of the machine design and specifications without notice.

DISPOSAL

- Please respect the environment!
- Dispose of the packaging according to the local recycling regulations.
- Dispose of the appliance at the end of its life span according to environmental considerations.



WARNING

This product is intended for domestic use only.

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HD Car Black Box

INSTRUCTION MANUAL



Model No. EL6270

Please read carefully before use and keep for future reference

Dear Customer

Thank you for purchasing the HD Car Black Box. In order to help you operate it correctly, please read these instructions carefully before using.

Suction-mounted to your windscreen the Car Black Box records high-definition video and audio as you drive. In an accident it's incontrovertible evidence, admissible in court, of who's to blame and who's liable. One insurance company is offering some drivers a 10% premium discount. This averages out at £33 pa and depending on your age and where you live could be a much larger sum. Easy to use, the Car Black Box switches on and off with the ignition, films in user defined timed loops and stores time/date-marked recordings. And with night vision mode and motion detection, it provides protection day and night. Supplied with a USB cable to transfer video and photos to your computer for archiving or can be connected direct to your TV by HDMI cable (not included). Powered with Lithium battery that recharges via your lighter socket or USB. The Car Black Box could pay for itself in a year on insurance costs alone. If you're involved in an accident - it could save you much more.



In the Box

1. HD Car Black Box
2. Car Charger Cable
3. USB Cable
4. Vehicle Mounting Bracket
5. User's Manual

DESCRIPTION OF FUNCTION KEYS:

- 1) **Up Button** – Use to move up through menu selections. In camera mode use to zoom in.
- 2) **Menu button** – Press to access settings
- 3) **Down Button** – Use to move down through menu selections. In camera mode use to zoom out.
- 4) **HDMI output** – Use to connect with a HDMI lead (not included) to your HDMI compatible devices for playback from the Car Back Box.
- 5) **Mounting Bracket Socket** – Use to connect to the windscreen mounting socket.
- 6) **USB Socket** – This has two functions, (1) for connecting to a PC to transfer data and (2) for connecting to an external power supply to charge the battery.
- 7) **Micro SD card slot** – Insert a Micro SD card (not included) to record movies and pictures on to.
- 8) **Power Switch** – Press and hold to turn on or off. With the HD Car Black Box on press this button briefly to switch on or off the night vision lights.
- 9) **HOLD button** – Press this button during the recording process to save the current video at that point.
- 10) **Mode Selection** - Press to switch between Video, Camera and Playback functions.
- 11) **OK (Select) Button** – In the Video Mode press to start or stop recording, in Camera Mode press to take a picture and in Playback Mode or Settings Menus use to confirm a selection.

QUICK START GUIDE

Install a Micro SD Card (not included) in to the Micro SD Card Slot.

Recording Car Journeys

- a) Screw the supplied mounting bracket in to the socket (5).
- b) Mount to the windscreen of your car, using the suction cup, move the actuation lever down to secure or up to release. There may be a protective film on the suction cup, remove before mounting. Always mount out of your direct eye line to avoid distraction whilst driving.
- c) Plug the 12v Adaptor Socket Charger in to the USB socket of the HD Car Black Box and in to your vehicles 12v Adaptor socket.
- d) When you switch on the ignition of your car the HD Car Black Box will automatically switch on and start recording, and will switch off when you turn off the ignition.

Taking a Picture

Simply switch on the HD Car Black Box, press the mode button until the camera mode is selected (signified by a camera symbol in the top left of the screen). Use the up and down keys to zoom in and out as required and then press the OK button to take a picture.

Viewing Pictures or Videos

Enter the Playback Mode by pressing the Mode Button, it will show the latest movie / picture in the first instance. Use the Up / Down Buttons to access the stored movies and photos, you can start playback of movies by pressing the OK Button.

Please note – The HD Black Box will switch on automatically when connected to a power source, if you need to switch it on or off manually press and hold the power switch.

SPECIAL FUNCTIONS AND SETTINGS

When the Menu Button (10) is pressed it will access the settings menu relevant to the currently selected mode, use the up and down buttons to scroll through the options and OK to select. To access general settings press the menu button twice from standby in any mode.

Please note that due to continual improvement we may change the software interface so that the following may be shown in a different order or format.

Video Mode settings

Resolution	This gives you the option to record different video sizes, larger sizes will give you higher quality, whereas small sizes will take up less space on your memory card. Please note that resolutions above 1280 x 720 are interpolated.
Loop Recording	This defines the length of recording loop, it is recommend to keep quite short loops as movies are only saved at the end of each loop. The default is 3 minutes. See also G Sensor below.
Exposure	Adjust exposure settings, it is recommended to keep the factory default
Motion Detection	You can set the camera to only start record if motion is detected, this is good if you have limited space on your Micro SD card. In normal circumstances it is recommended to record continuously.
Record Audio	Turn audio recording on or off
Date Stamp	Mark videos with the time and date set on the HD Car Black Box.
G Sensor	When switched on if the unit detects a sudden motion up to 6g, dependent on selection, as might happen in an accident, the HD Car Black Box will immediately save the currently recording movie.
Beep Sound	Turn on or off the confirmation beeps which sound when you press any button.

Camera Mode Settings

Capture Mode	Single shot or self-timer
Resolution	Image size
Sequence	Burst mode, if activated hold ok button to take multiple shots. Dependant on speed of Micro SD card.
Quality	Fine, Normal or Economy, used with resolution to define picture quality
Sharpness	Image edge definition
White Balance	A variety of settings, including auto, to compensate for different lighting conditions, such as cloudy and artificial lighting.
Color	Colour, black and white or Sepia pictures
Exposure	Manually adjust the exposure value
Anti-Shaking	Enable or disable image stabilization
Quick Review	This allows you to show a quick preview of the picture you have just taken.
Date Stamp	Print the date and time on to each picture
Delete	Delete current or all images or movies on the Micro SD card
Protect	Lock photos or videos to prevent deletion. Does not protect from the Micro SD card being formatted.

Main Settings

Date / Time	Set the date and time for the HD Car Black Box
Auto Power-Off	Set the time of inactivity after which the HD Car Black Box will switch itself off after.
Language	Set preferred language
Frequency	Set image refresh rate
Screensavers	Set time after which the screen saver switches on
Format	Format the Micro SD card for use in the HD Car Black Box. Attention – Formatting the Micro SD card will delete all information stored on it.
Default Settings	Return all setting to factory defaults
Version	Shows software version

USB mode

When the USB cable is connected from the HD Car Black Box to a computer that is switched on it will automatically start up and give you two options, press up or down and OK to select your preference:

1: USB Disk - Use this mode to download video and photo files stored on your Micro SD card to your computer.

2: PC Camera – Use this mode to use the HD Car Black Box as a real time camera for you PC, i.e. webcam.

Please note that no software is provided and both USB modes are dependent on the Plug and Play capabilities of your PC. Apple Mac computers do not have the relevant drivers to initiate the above modes, so it is recommended that the Micro SD card is removed and a card reader is used to transfer files to an Apple Mac.

Battery charging instructions

There are two ways to charge the battery, the red charging indicator light will light during the charging process. The charging time is about 180 minutes, the red charging indicator light will automatically switch off after the charging is finished.

1: Use the vehicle accessory power adaptor

2: Use the PC USB cable

The HD Car Black Box will automatically switch off when the battery is low.

Note: If the unit freezes or starts operating in an unexpected manner it can be reset by pressing the reset switch. This is accessible through the small hole on the base of the HD Black Box, marked reset, using a small wire such as a paper clip. Do not press too hard so as not to damage the switch.