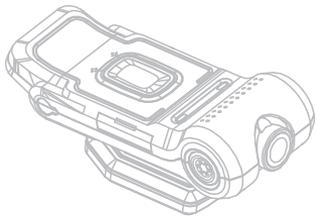


# VEHICLE BLACKBOX™



## EU Environmental Protection

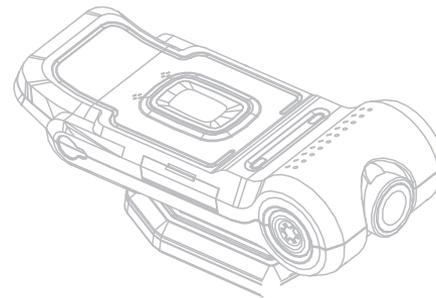
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.



# VEHICLE BLACKBOX™

## USER MANUAL

CAR DVR WITH GPS LOGGER



Version 1.1

Please read this user manual carefully before using this product. Failure to understand operation procedures may result in injury.

Welcome .....	02
Features .....	02
Packing List .....	02
Structure .....	03
Installation .....	03
Automatic Accident Recording .....	04
Associated Software .....	04
Accident Data Replay .....	05
The Blackbox System Settings .....	09
Specifications .....	10
FCC Information .....	10

## Welcome

Congratulations on your purchase of the Vehicle Blackbox. This product can be used with any vehicle for automatic detection and recording of accidents, real-time map tracking, speed recording, and G-force activity. Blackbox can also be used to provide invaluable evidence for insurance needs and help avoid fraudulent claims.

## Features

- Record high-quality video and audio data for 360 seconds before and after any accident
- Store hours of video, reviewable anytime on removable SD card
- G-SENSOR apparatus and time sensor capable of automatic recording, GPS tracking for logging the location of recording
- Built-in software integrates functionality of Google Maps and G-SENSOR apparatus
- Configured for easy manual operation and anytime recording
- Supports up to 32GB of memory, with automatic cyclical recording
- 105° wide-angle lens, placement rotatable by 140° for recording the whole scene

## Packing List

- ① Blackbox Body x 1
- ② Power Cable (cigarette jack) x 1
- ③ Holder x 1
- ④ SD card x 1
- ⑤ Software CD x 1



## Structure

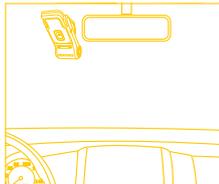
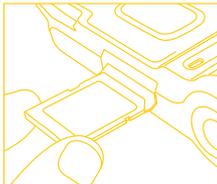


## Installation

1. Connect the holder to the mounting bracket at the back of The Vehicle Blackbox.
2. Insert the SD card into the SD card slot.
3. Remove the plastic backing from the double-stick mounting tape on the base of mounting unit.
4. Attach The Vehicle Blackbox to the inside of the front windshield.

### ⚠ Note:

- The windshield must be clean and dry before you install.
  - Apply force on the double-stick tape for 4-5 seconds to ensure that the device is firmly attached.
5. Adjust the lens tilt shaft to a suitable angle for recording.



## Automatic Accident Recording

1. Connect Vehicle Blackbox to the vehicle power through the power cable.
2. The recording LED indicator will illuminate red and the GPS LED indicator will turn green. You will then hear one short "beep" sound. This indicates that the device is now ready for automatic accident recording.
3. When an accident occurs, the Blackbox's built-in G-SENSOR apparatus will initiate automatic recording. You will be notified of automatic recording by both the recording and GPS LED indicator lights, along with one "beep" sound.
4. The video of the recorded accident (stored on the SD card) will include location, date/time, speed, and other detailed GPS information. You can also press the manual recording button to start the recording at any time. Recording will stop after 10-300 seconds depending on the settings selected during system set-up. (see page 9 )

### ⚠ Note:

Do not insert or remove the SD card while the power is connected, otherwise the SD card will not be recognized and the unit may malfunction.

## Associated Software

We recommend using the software provided with Vehicle Blackbox. Use of other software may cause the G-sensor and GPS information to be displayed incorrectly, or not at all. To install provided software, please follow the instructions below:

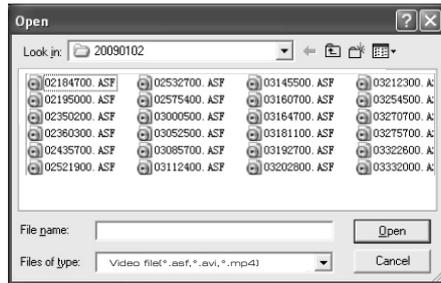
1. Insert the CD into the CD drive of your computer.
2. Local the associated setup.exe file on the CD, and follow the on-screen interface.
3. After successful installation, you should see a PC viewer software icon on your desktop.

## Accident Data Replay

1. Double-click on the PC viewer software  icon on your desktop to open the software. The following interface should appear:



2. Insert the SD card into your computer and click the  button as pictured above. You can then select the video you would like to view by browsing the files on your SD card.

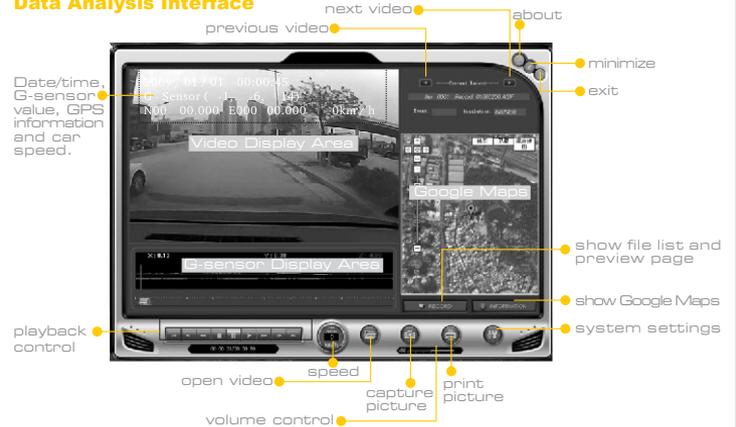


3. Select the file you would like to view and click Open. The player interface will then look as follows:



4. Select a file from the files list and click the  button as pictured above.

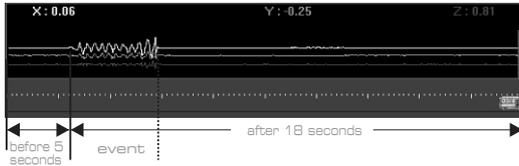
## Data Analysis Interface



## Play Control:



## G-sensor Information:



G sensor X value: Forward & Reverse, i.e., acceleration and deceleration  
G sensor Y value: Left & Right, i.e., turning or steering  
G sensor Z value: Up & Down, i.e., prominence and depression

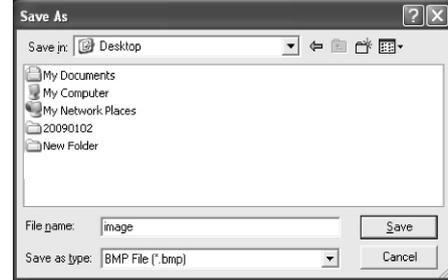
## GPS Map Information:



- \* To see the Google Maps at lower right corner of the software, your PC must be connected to the internet.
- \* Video recording location will be displayed on Google Maps.
- \* The record and information buttons allow the user to toggle between Google Maps and a list viewable video files.

## Capture Picture:

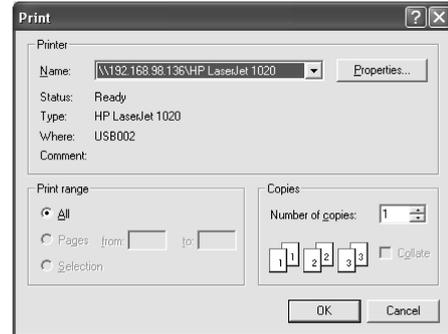
1. Pause play and press the  button, the following interface will appear:



2. Make sure to save the photo as a \*.bmp file.

## Print Image:

1. Pause play and press the  button, the following interface will appear:

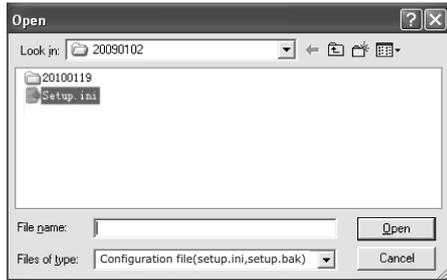


2. Select your desired settings and then press OK.

## The Blackbox System Setting

You can adjust the operating parameters (recording time, G-sensor sensitivity, system time, etc.) of the Blackbox system at any time, as described below:

1. Press the **⏏** button on the main interface, open the SD card folder, and locate the `Setup.ini` file. Double-click on that file.



**TIP** If the user formats the SD card or otherwise deletes the `setup.ini` file from the SD card, the user can find the `setup.ini` file on the CD provided, or under the player file where the user installed the PC viewer software. Copy the `setup.ini` file to the SD memory card and then refer back to this guide for adjusting settings.

2. The following interface will appear:



Setting recording duration time

Adjust the variable here to a lower value to increase the sensitivity, or to a higher value to reduce the sensitivity.

Notice: After you set the system time, please immediately power on the Blackbox with the SD card so that synchronization between the SD card and the Blackbox device may take place.

Select to all information on the video, including date/time, G-sensor value, GPS information and car speed.

Set local Time Zone

3. Click **Apply** to confirm changes, or **Close** to cancel.

## Specifications

Items	SV-GD2708
Imaging Sensor	1/5-inch color CMOS
Video Resolution	656 x 488
Viewing Angle	102°
Video Format	.ASF
Minimum Illumination	0.1 Lux
Operating System	Support Windows XP/Vista
SD card	Support 512MB~32GB
GPS/Google Maps	Supported
Pre-event Recording Duration	2~60 seconds(adjustable)
Post-event Recording Duration	10~300 seconds(adjustable)
Recording Mode	Auto mode by shock sensor Manual mode by manual recording button
Gravity Sensor Sensitivity	±2 ~ ±8g
Power Supply	5V
Consumption Current (Max.)	550mA
Dimensions( W x D x H )	127 x 52 x 32(mm)
Approx. Weight	110g
Operating Temperature	0°C~50°C/32°F~122°F
Operating Humidity	15~85%RH

\* All the specifications are subject to minor change without prior notice.

## FCC Information

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;
- (2) This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Warnings

- This product shall not be exposed to water either by dripping, splashing, immersing, etc., unless otherwise indicated.
- Turn off the system if it is not in use.
- This product can only be completely disconnected for from its power source by unplugging the power adapter.
- Do not cut the DC power cable of provided with this product to fit with another power source.