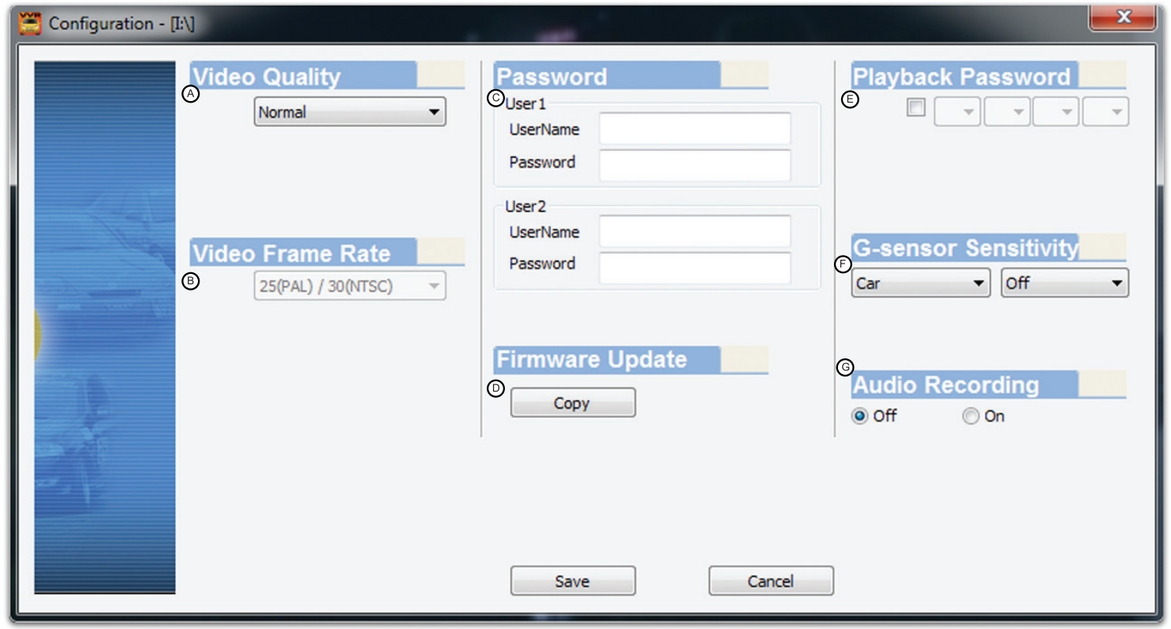
Modify DashCam Settings with CarBox Viewing Software Suite

The Rostra DashCam has a variety of settings that can be adjusted via the CarBox software or disabled altogether. These settings are written to the SD card and accessed by the DashCam once the card has been inserted. To modify these settings, with the SD card inserted into your PC, click the *Configuration* button in the CarBox software (See Figure M). When the *Configuration* dialog window opens, you will have access to all of the features described below.

Figure M



Interface Quick Reference

A) **Video Quality** - Adjust the quality of video recorded by the DashCam system using the drop-down menu. Higher quality video being recorded generally means larger video files.

B) **Video Frame Rate** - The Frames Per Second (FPS) captured by this DashCam system is locked at 30FPS NTSC and 25FPS PAL.

C) **Password** - The DashCam system allows for two different user/driver profiles to compare driving between two individuals.

D) **Firmware Update** - In the event that a firmware update is required for your DashCam, the firmware file will be available via the *Support* page of **www.rostra.com** and written to the DashCam using this section.

E) **Playback Password** - The video being recorded by the DashCam is encrypted by default. Setting a 4-digit password enables an extra layer of security so that only the password holder can view or modify the videos recorded to the SD card.

F) **G-sensor Sensitivity** - The DashCam system includes a multi-axis accelerometer that can detect G-forces from actions like hard acceleration, excessive braking, or sharp steering. These settings are available by vehicle type including Car and Truck, and the sensitivity is further subdivided into Heavy, High, Normal, Low, Light, and Off. When “Off” is selected, the DashCam unit will not record any G-force measurements.

G) **Audio Recording** - The built-in microphone captures audio from within the vehicle by default. The microphone can be disable using this option if the DashCam owner does not wish to record audio.

Once the desired settings have been selected, click *Save* to write the settings to the SD card, or *Cancel* to cancel any changes.

Rostra Precision Controls, Inc. - 2519 Dana Dr. - Laurinburg, NC 28352 - www.rostra.com

info@rostra.com 1-800-782-3379 youtube.com/RostraPC twitter.com/rostratweets

Rostra Precision Controls, Inc. **250-8918** Single Camera Dashboard Video Recording System by Rostra

A Class 10 SD card is required for use with this DashCam. Visit www.rostra.com to view available SD cards.

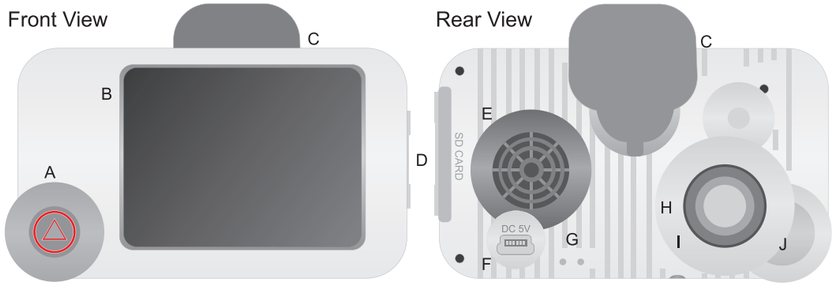
Product Features

Suitable for all vehicles (taxi, bus, car, truck, SUV).
Small size does not affect a driver’s line of sight.
Powers on automatically with vehicle’s ignition.
Records all driving conditions (sound, GPS, G-force).
2.5” screen for audio/video feedback and video adjustment.
105-degree 1080p forward-facing camera for exterior view.
Adjustable accelerometer sensitivy by vehicle type.
Secure video format protects against deleted videos.
Password protected settings and user accounts.

Product Specifications

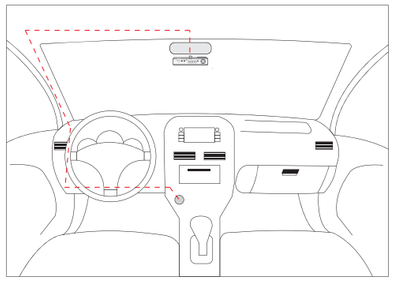
Built-in H.264 video compression chipset.
Records video in either NTSC or PAL format.
1080p forward-facing CMOS color camera (30 FPS).
Operates on 5V from included power supply.
Records date, time, image, and sound.
Custom video recording format for security.
Built-in high sensitivity auto-adjusting microphone.
Built-in 3-dimensional G-sensor.
Looped recording for continuously saving videos.

Device Features



A) Force Record button.
B) 2.5” LCD screen.
C) DashCam mounting base.
D) SD card access port.
E) Built-in speaker.
F) 5V DC power input.
G) Echo-canceling microphone.
H) Forward-facing camera lens.
I) Microphone.
J) IR remote control input.

Product Installation



The final mounting position of the Rostra DashCam unit is ultimately left to the discretion of the installer and customer, but the recommended location is directly beneath the vehicle’s rearview mirror using the included fixed-mount base with 3M double-sided adhesive tape (for permanent mounting). This position provides an image at the center of the vehicle that allows the forward-facing camera to capture as much of the road in front of the vehicle as possible.

Power Supply Wiring

This product includes a power supply designed to be plugged into to a vehicle’s 12-volt power port and then routed to the DashCam. A hard-wired power supply can be purchased separately. Visit **www.rostra.com** to view all of our DashCam accessories.

Form #5223, Rev. A 01-28-2015

CarBox Viewing Software Suite Introduction

The CarBox Viewing Software Suite is the all-in-one solution for viewing and saving videos recorded by your Rostra Dashcam, saving DashCam settings via you SD card, formatting the SD card, and a variety of other features detailed in the coming sections of this document.

Downloading the CarBox Viewing Software Suite

After your Rostra DashCam has been mounted in the vehicle, before recording video, you must first visit the the DashCam section of **www.rostra.com** to download the CarBox Viewing Software Suite for your respective DashCam unit (250-8918, 250-8919, or 250-8919HD). This software suite, available as a .zip file[1], will be used to first format the microSD card included with your DashCam and set the recording preferences (See *Figure A*).

Begin by downloading the software suite that matches the part number of the DashCam that you have purchased and extracting the files inside to a prefered location on your personal computer. Please note that the ultimate location of these files is not important, but for ease of accessibiliy, Rostra recommends simply saving them to the Desktop of your PC.

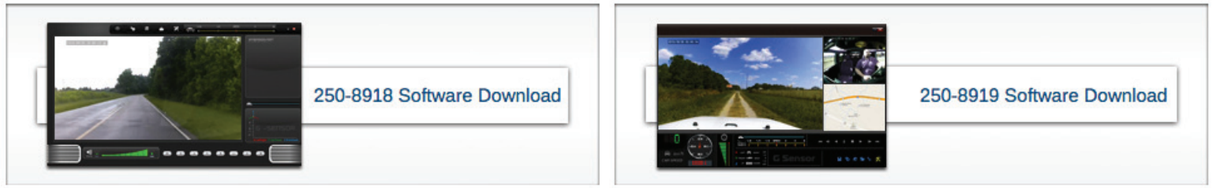


Figure A

Launching the CarBox Viewing Software Suite

Once you have selected a location on your PC for the folder containing the CarBox Viewing Software Suite, locate the “CarBox2” icon inside this folder (See Figure B). Double-click this icon to launch the CarBox software. Please note that the CarBox software requires an active internet connection to access all of the built-in features. This may result in a warning message from the Windows operating system as the software attempts to connect online. This is normal and the software should be given access.

Figure B

CarBox Viewing Software Suite Interface

CarBox Interface Quick Reference

A) Video window for forward-facing 1080p camera.
B) Window for displaying most recent SnapShot.
C) Accelerometer data visualization (X, Y, and Z axis).
D) Quick access video volume control.
E) Video playback control panel.
F) Video SnapShot capture button.
G) Configuration button (used for adjusting settings).
H) Backup button (used for saving video clips).
I) Playback button (used for selecting video clips).
J) Format button (used for formatting SD card).
K) Video speed control slider.

SD Card Formatting with the CarBox Viewing Software Suite

The **Class 10** SD card that you’ve selected for use with this unit must first be formatted using the CarBox software. Insert the SD card directly into your PC or external SD card reader and wait for Windows to acknowledge that it has been detected. Next, launch the CarBox software and click the *Format* button (See Figure C). In the *Format Tool Dialog* window, use the drop-down menu to select the SD card (See Figure D). Once the SD card is selected, click the button labeled *Format* and confirm that you want to format the SD card (See Figure E). The software will then format the SD card (See Figure F). Once formatting is complete, the SD card is ready for use in your DashCam and the card will be safely ejected from the PC (See Figure G).

Figure C

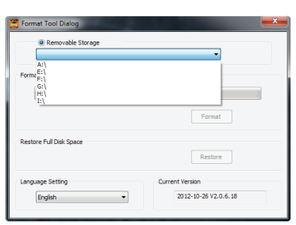


Figure D

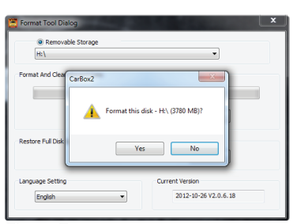


Figure E

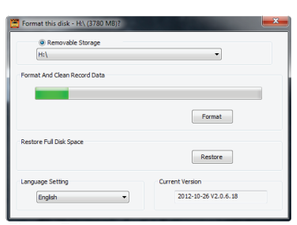


Figure F

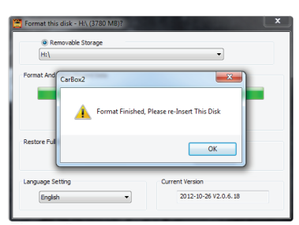


Figure G

[1] The CarBox Viewing Software Suite is currently only available for use on personal computers with Windows XP, Windows 7, or Windows 8/8.1

Select Video for Playback with CarBox Viewing Software Suite

When your SD card with videos is inserted into your PC, the video files on the card should begin playing automatically once the CarBox software has been launched. To browse the files stored on the SD card, or to select a different video file for viewing, click the Playback button (See Figure H) to open the Playback dialog window. From this window, select the video you wish to view by double-clicking it (See Figure I) and the video will begin playing in the CarBox window (See Figure J).

Figure H

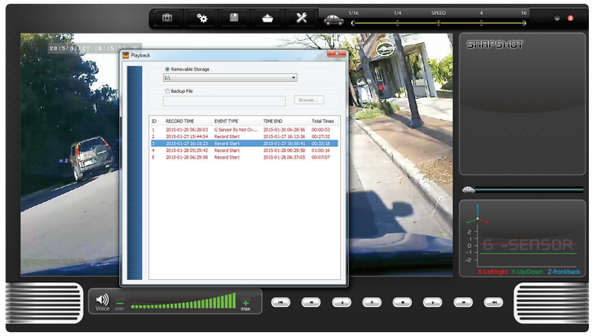


Figure I

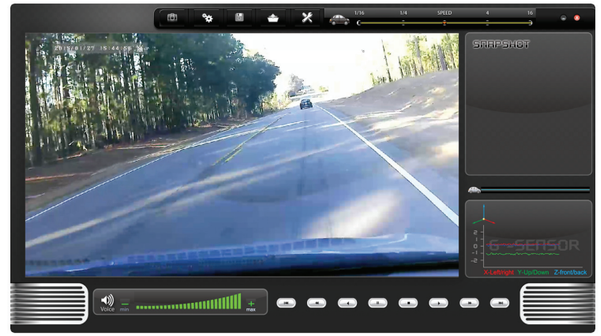


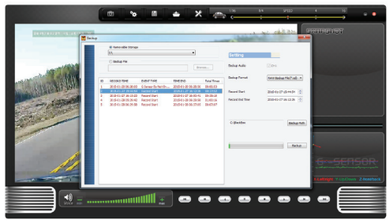
Figure J

Exporting/Saving Videos with CarBox Viewing Software Suite

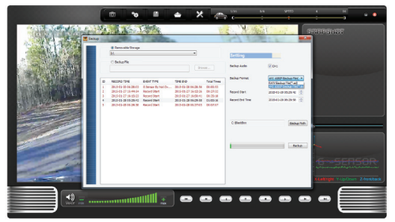
Because the videos written to the SD card of the DashCam are encrypted for added security, the CarBox software must be used to both decrypt the video files and save them to your personal computer. Once audio and video have been recorded to the SD card, re-insert the card into your PC and follow the steps below.

Figure K

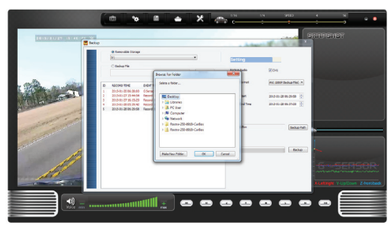
1) Once the SD card is inserted into your PC, click the *Backup* button (See Figure K).



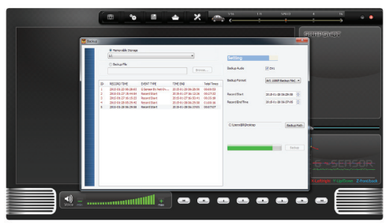
2) The *Backup* dialog window will launch displaying all videos recorded to the SD card.



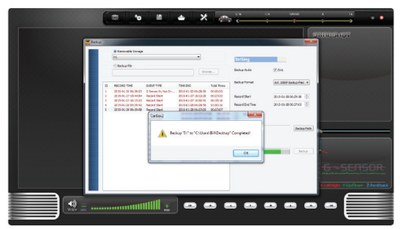
3) Select the video that you want to save and select *AVI 1080p Backup File* from the *Backup Format* drop-down list.



4) Use the *Backup Path* button to select the location where you want to save the video on your PC.



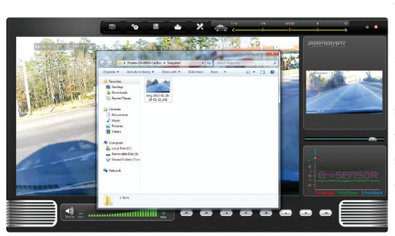
5) Click *Backup* to save the video to the selected path on your PC.



6) Once complete, a dialog window will let you know that the video has been saved to your PC.

Once video has been saved to your PC, you can then navigate to its location and watch the video files from the individual cameras.

Saving Video SnapShots with CarBox Viewing Software Suite



While entire videos from the SD card can be exported for viewing using the CarBox software, the suite also allows you to export still images directly from the video. When using the CarBox software, as video from the DashCam is playing or paused, clicking the *SnapShot* button (See Figure L) will save still images from the on-screen video to your PC. Once the SnapShot button is clicked, a dialog window will open with the saved images displayed. Double-click these images to open them with your PC’s picture viewing software in order to view them in their full resolution. Note that the SnapShot tool saves images from whichever cameras have recorded video and are currently playing in the CarBox window.

Figure L