

**SD CARD**

Your DVR uses a technology called TAT formatting. TAT uses a new system to insure that your SD card stays in working condition and your video's are always secure and reliable. TAT formatting records in shorter segments and utilizes memory space on your SD card better than previous methods. This results in less memory corruption or lost files. You should not format your SD Card in your computer as you would with a normal camera SD card. Use the features in the PC Viewer program or the Smart Phone APP to format your card when needed. It is recommended to format your SD card monthly to insure proper operation. SD Cards have an expected life of about 1 year. Extreme temperature, humidity, and vibrations may reduce this life span. If your SD Card fails the DVR will notify you by voice as well as with the two LED's staying on and solid (not flashing). Only replace your SD Card with a Class 10 SD Card, we recommend 16GB but you can use up to 64GB for the most possible recording time. Normal replacement of the SD Card is not covered under the warranty as this is a wearable item and replacement is a normal maintenance.

**CAMERAS**

Clean your camera lens with a soft lens cleaner cloth. Do not spray with cleaners or other liquids.

**RECORDING**

Your DVR is an "EVENT RECORDER" not an action camera. It is designed to log video of accidents or events and save them for review. Events will be locked and cannot be recorded over, normal driving video will be recorded over. Depending on how you have your DVR configured will effect the recording time. Full HD uses more memory than standard HD. The chart here is a reference as to what can be expected from different size memory cards and setups.

**RECORDING TIME**

2 Channel (Full HD+HD)		2 Channel (HD+HD)	
SD Card Size		SD Card Size	
16G (16334MB)	5h23m	16G (16334MB)	8h28m
32G (32718MB)	10h47m	32G (32718MB)	16h56m
64G (65486MB)	21h33m	64G (65486MB)	33h52m

**FCC STATEMENT:  
WARNING**

This device complies with Part 15 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.

**WARNING**

**This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radiocommunications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:**

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

**Product Features**

- Dual Cameras: Front HD 1080p@30fps, Rear HD 20p@30fps
- Wifi Direct Connect to your Wifi Enabled Phone
- Formatting Free TAT File Management System
- 9V to 28V Compatible For All Vehicles
- G Shock Sensor and Motion Detection Recording Modes: Event, Driving, And Parking Recording
- Voice Recording Through Remote Microphone
- GPS Location Tracking
- Supports Class 10 SD Memory Cards Up To 64GB
- Voice Prompt System Messages
- Up To 10 Hours of Parking Recording Time With Auto Off
- PC Viewing Software available at [www.rostra.com](http://www.rostra.com)

**Product Specifications**

- Camera Resolution: Front 3M Pixel Sony Sensor, Rear 1M Pixel Sony Sensor
- Wi-Fi 802.11 /b/g/n Compatible with Android App & iOS App
- SD Card Compatibility: Up To 64GB Class 10 Micro SD Card
- GPS: External GPS Antenna Included
- G-Sensor: 3 Axis Shock Sensor
- Video Playback: Smart Phone by Wi-Fi (with installed App), Or PC-Viewer
- Auto Power Off: DVR Memory Protection for Low Current/Voltage/High Temp
- Working Temperature: -10c to +65c
- Size/Weight: 100 x 68 x 17, 120g

**Product Installation**

The Final mounting position of the camera's is left to the installation technician and end user. The cameras are designed to be used inside the vehicle, they are NOT waterproof or intended for outside use. It is recommended that the front or forward-facing camera be placed directly below or to the side of the rearview mirror for a complete view of the front of the vehicle and to not obstruct the drivers view. The rear or second channel camera can be mounted in any location depending upon the end user's needs. Clean the mounting location with a Alcohol pad or other cleaner, then remove the red colored backing from the mounting tape on the base of the camera mount. The base can be rotated to fit any window or mounting location angle. Press the base onto the mounting location and hold even pressure to insure a good bond from the tape.

The microphone can be mounted by the front camera or even on the side or rear of the vehicle. Mount the microphone base the same way as the Camera bases.

The Full HD Front camera is identified by the connector on the side of the camera. The HD rear camera has the cable coming directly from the camera housing. The Extension cable is only to be connected to the rear camera.

**CAUTION:** When inserting the DIN style connectors on the camera wire ends DO NOT TWIST or you will damage the connector pins inside the DIN connections. Carefully align the connectors and gently push together until completely seated. Route the camera cables and microphone cable to the control module location.

**NOTE:** The rear camera has a switch on it to allow mounting in either a right-hand or left-hand wire position. If the image is inverted flip the switch to the opposite position.

## Product Installation Continued

The GPS Antenna MUST be mounted in a location where it can clearly see the sky. It is designed to be installed on the dash board center where it can see through the glass. Do not mount to the glass as the antenna is positioned to see through the top of the housing, not through the bottom. Route the cable to the control module location. Clean the mounting location with a Alcohol pad or other cleaner, then remove the red colored backing from the mounting tape on the rear of the GPS antenna. Insure the top side of the antenna is facing upward and is not obstructed from seeing the sky. Press the antenna into place.

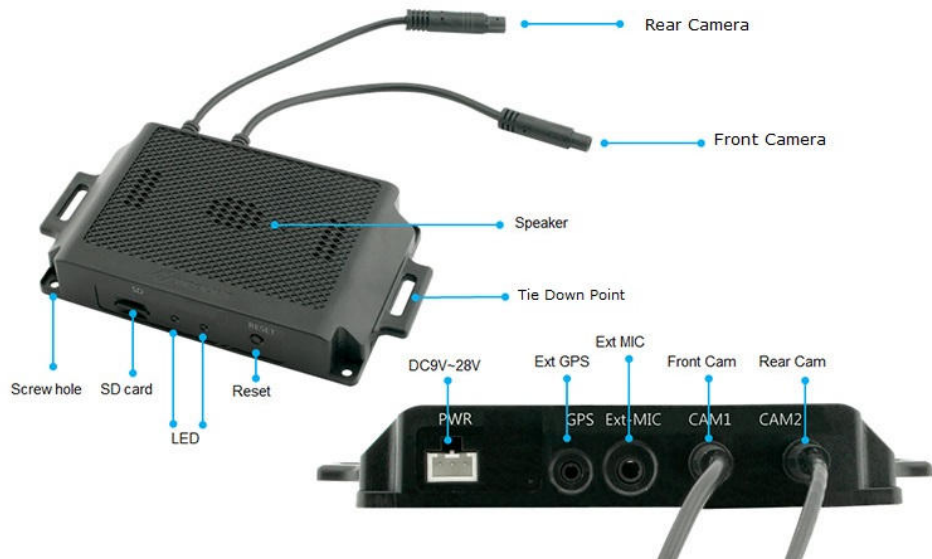
The power supply requires 3 connections: 1: Ground – Black wire, 2: Positive Constant – RED, 3: Ignition – Yellow.  
To use all the features and functions the DVR must have all 3 connections made correctly.

Connect all cables to the proper connection on the control module.

Mount the control module with either the included Velcro tape or wire tires. The Module must be securely mounted for the shock sensor to work correctly. Do not attach it to a wire harness or other loose item or the shock detection mode will not work.

Make sure the included Micro SD Card is installed correctly and completely locked into place. Use Only Class 10 Micro SD cards.

The fuse holder on the power harness contains a AGC 3A fuse. If this needs replacement USE ONLY a 3amp fuse or damage to the DVR system may occur.



NOTE: The RF Indicator on the front of the unit is not active in this model

## Product Operation

After re-checking all connections, insure the SD card is inserted correctly and locked into place. To lock press in until a click is heard, then the SD Card is locked. To release press again and then the SD card will pop out of the slot. The SD Card will only fit one way, do not force it into the slot. The contacts on the SD card should be on the bottom of the card when inserted.

Make sure the vehicle is outside where the GPS antenna can have a clear view of the sky. Turn the vehicle on and allow the DVR to boot up. The first time it may take a few moments for the GPS to locate a signal. If the GPS has not locked on after 3-5 minutes, check to insure the antenna is connected and then move the antenna to a better location.

There are two LED indicators on the front of the DVR. The Chart shows the status of the DVR and corresponding LED indications. If there are no LED's lit then check the fuse and power connections to the DVR.

Once booted the DVR will use Voice prompts and tones to indicate recording mode and activity. These can be adjusted or shut off by use of the Smart Phone App / iOSApp.

### Viewing Software and Phone App's



Your Rearsight DVR uses a PC Viewer program to play back videos that have been stored on the SD Card. You also can access the video's and DVR settings by using a Smart Phone such as an Apple device or Android device. The PC Viewer program is available to download from WWW.ROSTRA.COM. From the main page select the Accessories Tab at the top, then select "DASHCAM". The download link will be at the bottom of this page. We recommend checking this page occasionally as the viewer program may have been updated. After you download the viewer program, click on it to start the installation on your PC. Please see the Download page for more detailed instructions if needed.

LED 1 - REC	LED 2 - GPS	MODE
Solid Blue	Solid Red	About 15 seconds
Solid Blue	Solid Red	front camera connetion at module
Flashing Blue	Off	Recording
Flashing Blue	Flashing Blue	GPS Connecting
Flashing Blue	Solid Blue	GPS Connected And Recording
Flashing Blue	Off	Check GPS Antenna Connection
Flashing Blue	Solid Red	Connected Via Wi-Fi to smart phone
Off	Solid Red	Connected and viewing files.
Flashing Blue	Flashing Red	During FW Upgrades
Flashing Blue	Flashing Blue	While Recording Events (Shock triggered)
Off	Off	Check Power / Fuse

For use with your Smart Phone, use your phone to access Google Play Store or the Apple App Store to download our compatible viewer. Our Web site listed above will have detailed usage information for each APP, "How to video's" and support if needed. Search your APP store for "Rostra", download and run the ROSTRA DVR app.

To connect to your device:

1: Make sure your phones Wi-Fi is enabled.

2: With the DVR on, search for a Wi-Fi connection from your phone. Look for ROSTRA 250-8950 and select. The Factory default password is "**12345678**" This can be changed in the settings.

NOTE: You may see a warning telling you Internet may not be available with this connection. DISMISS this warning. The DVR to Smart Phone connection is local and direct, no Internet is required.

3: Start the ROSTRA APP to connect to your DVR.

NOTE: While viewing files from the DVR on your smart device the DVR is not recording. Do not view files while driving.

NOTE: AT THIS TIME THERE IS NO COMPATIBLE VIEWER FOR APPLE COMPUTERS