

We are pleased to.....

provide user instructions for the Eagleye Model 100/200 and the SafetyVision PatrolRecorder CF Mobile Video Recorders (MVR's). If this is your first time to use an MVR, we will try to answer all your questions about the amazing capabilities of these systems. If you have used MVR's previously, you are in for a pleasant surprise as you learn more about the features, simplicity, and capabilities of these new systems.

Both the Model 100/200 and the PatrolRecorder CF use the same basic MVR. The main difference is in the cameras and monitors. Both systems use the highest quality Sony cameras. The PatrolRecorder CF has better night vision capabilities whereas the Model 100/200 have fine adjustment buttons on the camera which are not used on the PatrolRecorder CF camera

The Model 100/200 uses a 3.5" monitor whereas the PatrolRecorder CF uses a 5.5" monitor. Otherwise, both systems are essentially the same.

In most cases, the initial installation of either MVR system will be performed at your location either by Eagleye personnel or in most cases by Falcon Direct trained technicians. Either way, our job, and that of Eagleye and SafetyVision is taking care of YOU!

You are welcome to call Falcon Direct for assistance of any type at 800.489.2611, or you call Eagleye directly for technical assistance at 800.242.0146. The tech support number for SafetyVision is 800-880-8855. If you need to return a unit for service, either during the 2-year warranty term, or for out of warranty service, please call either Eagleye or SafetyVision for return instructions.

Now, let's learn more about your new MVR, and lest we forget – Thanks for choosing Falcon!

General Installation Setup

The MVR provides a great deal of flexibility and installation customization. Your installation may be slightly different than our standard setup, but the following will apply in most cases.



There are four basic components of the system (6 if you have the optional rear camera and GPS capability). Let's begin with the MVR. Without getting technical, let's look at this as a digital VCR that operates from 12 volts with the capability of up to four camera inputs and the ability to be activated from a variety of external switches.

The MVR can be mounted in an existing vehicle console (space permitting), or using brackets supplied with the system. We recommend that the MVR be connected to a source of continual DC battery power – not to the ignition switch. This eliminates time delays for the optional GPS satellite receiver to stabilize when powered on (this can take up to several minutes).

Operating protocol is determined by your department. Our recommendation is that the unit be turned off/on at the close/beginning of each shift. Your situation may be different. The main point is that you should ALWAYS turn the MVR off if the vehicle will be unattended for more than several hours.

The Model 100/200 and PatrolRecorder CF are similar in appearance and functionality. Both use a Smart Media Card (SMC) for data storage. The standard card has a 4 GB capacity (about 3 hours).

We prefer a 16 GB capacity, which for most users will allow removal and archiving to a PC once weekly, or as determined by your patrol administrator.

Generally, the access door is locked and accessible only by administrative personnel. Now – let's take a look at the operational side of the MVR. We can skip the Smart Media Card access door and the key lock on the right. On the far left is the most important button of all – the ON/OFF switch at the bottom left.

As a patrol officer, there are only two controls on the MVR that you will use (aside from the ON/OFF switch). They are the right arrow button, used for auto-zoom and the left arrow key used to turn on infrared illumination at night. If turned on during the day, your screen will blank out and go white. The associated Sony camera seems to work equally well night or day in the standard position although the camera used with the PatrolRecorder CF seems to work a little better at night. Now, let's look at the camera.

A camera is a camera regardless of the application. Cameras do not work well when facing directly into the sun. When making a stop, try to angle your vehicle, if necessary, to avoid facing directly into the sun.

There are five buttons on the back of the camera that are used for the majority of your activities (Model 100/200 only). The top center button (1) is used for manual zoom. The left center button (2) is used to focus. The menu button in the center generally requires no adjustments



since these were set up for you by your installer. The right center button is generally not used. Note: Button appearance may vary depending on the model.



The third component of the in-car camera system is the monitor. The purpose of the monitor is basically to allow you to aim your



camera so you can see what your administrative officer will see when reviewing your data. The location can be where ever your department administration wants it to be – on the dash, console, or even on top of the MVR. The monitor draws power from the MVR so if the MVR is ON, your monitor is on IF you have turned the monitor on by pushing the top right button. The 3.5” model at the top is used with the Model 100/200 and the 5.5” monitor is used with the PatrolRecorder CF.

On the top of the screen, you will see the date and time. On the bottom of the screen, you will see Latitude and Longitude (if you have the optional GPS feature), the recording time remaining on your Smart Memory Card in hours and minutes plus your speed to the right of the “P” (O indicates that you are parked).

There are six buttons on the monitor. The top right button is the Power ON/OFF. The middle button on the right is generally unused unless you have the rear seat camera option. The middle right button (V1/V2) is used to select the desired microphone (Body microphone V1 or Rear camera (V2). The bottom left button is unused.

On the left side, you have the MENU button in the middle. This allows you to adjust brightness, color, contrast, and hue by using the top left and bottom left buttons. Normally, no changes are required since this has been set up for you by the installer.



Lastly, there is the wireless body pack transmitter. Your MVR is normally activated by an event trigger but in can also be turned on manually if desired.

Most often, recording begins when your rear emergency lights are activated lights or other trigger as defined by your administrative personnel.

The body pack is activated by the *In Use* button when you get out of the vehicle and turned off when the event is completed. Operating range is up to 1000 feet.

Your activity is recorded on a Smart Memory Card (SMC) which is removed, archived, and returned at the end of each shift or removed at periodic intervals by administrative staff. Your patrol supervisor will advise you of the procedure applicable for your department.



You may have an optional rear seat camera installed. This camera has a built in microphone that allows conversations between your passengers to be recorded. No action on your part is required other than switching the Up/Down arrow to the down position to activate the rear camera and turning your recorder ON (Red button at the right).



Another common option is an internal GPS receiver built into the MVR connected to an external GPS receive antenna. Commonly known as “the hockey puck”, this antenna measures less than two inches square. Most people never see it.

For optimum performance, this antenna is mounted outside on the vehicle roof.

Always allow the GPS receiver to lock on three or more satellites while the vehicle is parked, preferably facing to the South. As soon as the Latitude and Longitude appear on your monitor screen, the GPS receiver is working. If you lose connection, follow the initial startup procedure in a clear location, facing south if possible.

Thanks again for choosing Falcon Direct!

QuikGuide Instructions for



Model 100 & Model 200 and



Mobile video solutions for enhanced safety

PatrolRecorder CF

Law Enforcement Mobile Video Systems

from



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