

# Raven IS Barrier

## Setup Instructions

### Preface

The Raven IS Barrier can be used to connect a personal computer (PC) to an Extreme Telematics Corp. (ETC) plunger arrival sensor. These instructions detail the one-time setup that is required in order to connect to the device and update the software.

### Tools Required

- Raven Upgrade Kit – Raven IS Barrier, USB cable, spool of instrumentation wire
- ETC screwdriver

### Driver Installation

In order for your PC to recognize the Raven IS Barrier upon plugging it in, you **first** will need to install the drivers. It is advised that the drivers are installed prior to connecting the device.

1. In your internet browser, go to [http://www.calscan.net/downloads\\_software.html](http://www.calscan.net/downloads_software.html) and click on CalWin 2002 6.86 Full Install.
2. Once the driver has downloaded, open it and click Run.
3. Click Next, then click the Agree button, and Next again.
4. Enter your Name and Organization, click Next, and Next again.
5. Click Install, Next, Finish, to complete the installation.
6. Verify that the driver was installed correctly by navigating to Start Menu → Control Panel → View Devices and Printers. You should see an Unspecified Device titled “Raven RS485 Barrier”.
7. Plug the provided USB cable into the appropriate port on the back of the Raven Barrier.
8. Plug the other end of the USB cable into an available USB port on your PC.

### Software Installation

ETC has developed a utility for installing updated firmware on all ET-10000, ET-11000, ET-12000 and ET-12001 series products. You will need a username and password to access the secure area of the ETC website. If you have not already been provided with user credentials, contact [support@etccorp.ca](mailto:support@etccorp.ca) to obtain them.

1. Log in to the secure website.
2. In the ETC Menu, select Tools.
3. Locate the ETC Upgrade utility and click the corresponding Download button.
4. Click Install to download the Setup file, and ignore any security risk messages. ETC’s Upgrade utility is safe to install on your PC.
5. Locate the downloaded Setup.exe file and click Run.
6. Click Install, and wait for installation to complete.
7. The program will open automatically and prompt you to enter your user name and password, which are the same credentials used to log in to the secure area of the site. Enter your credentials and click OK. For your convenience, check off “Save Password” to avoid re-entering your information in later use of the utility.

8. The Upgrade Utility begins a check to ensure your copy of the utility is up to date. If there is a new version available, you will be prompted to download the newer version.
9. Next, the utility checks for available versions of firmware, and downloads them automatically. Once this process has completed, your utility is fully installed. Refer to ETC Software Upgrade Instructions, available in the Tools section of the secure website for further instruction.