



DriveRight[®] FMS 3.7.2

User's Manual

Product # 8186

DAVIS 
Davis Instruments

DriveRight Fleet Management Software Version 3.7.2 User's Manual

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DriveRight FMS Help

Welcome to DriveRight Fleet Management Software

Click on the topics below for help using DriveRight® Fleet Management Software (FMS) version 3.7.2:

Getting Started - How to get your DriveRight software rolling.

Quick Reference - Basic info and quick links for routine tasks.

Menu Commands - Everything you can do in DriveRight FMS.

Troubleshooting - Help when you have problems.

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May 30, 2007

Getting Started

Getting Started Menu

The following help topics will help you getting started with DriveRight Fleet Management Software.

Introduction to FMS

What's New for DriveRight FMS 3.7.2

Release Notes for Versions 3.7.1, 3.7, 3.6, 3.5, 3.4, 3.3, 3.2, 3.1, and 3.0

Architecture

Database Selection Guidelines

Converting VMS 2.04-2.06 Data for FMS

Setup Overview

Tool Bar

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Introduction to DriveRight FMS

The DriveRight Fleet Management Software (FMS) allows you to store, view, and manipulate DriveRight data on your Windows-compatible computer. More specifically, FMS provides tools for acquiring, sorting, tracking, analyzing and printing data, and viewing and printing reports for a number of individual DriveRight consoles at a number of different locations.

DriveRight FMS features include:

- Tracking drivers, vehicles, locations, and service
- Viewing, graphing, printing and saving "accident log" information
- Multiple user levels
- Ability to download DriveRight information via the optional SmartCard System
- Ability to download DriveRight information via the optional Wireless Download System
- Tamper logs
- Sorting data and creating reports according to user-defined selection criteria
- Summarize data by day and by trip
- Integrated Microsoft MapPoint support for mapping of GPS data
- Compare vehicles, drivers, or groups of drivers
- FTP Export / FTP Import data
- Palm download support

See also:

[Architecture](#)

[Copyrights](#)

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What's New for DriveRight FMS 3.7.2

DriveRight Fleet Management Software version 3.7.2 includes the following changes:

- Fixed an issue regarding the PIN code transferred by the SmartCard Reader not being recognized by the DriveRight Device.
- Duplicate database record error issue was resolved.

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Prior Release Notes

DriveRight Fleet Management Software 3.7.1 Release Notes

DriveRight Fleet Management Software version 3.7.1 includes the following changes:

- Password encryption has been added for better security.
- The ability to add multiple Super Users to the database added. Open the Update User Privileges dialog box or Add New User dialog box to add or edit Users and change the User Type.
- The Driver Safety Score and Excessive Speed Report changed to accurately calculate when Km/hr is selected as the unit of measure in the Units dialog box.
- The CarChip database table automatically updates if any changes, such as Alarm and LED state, have been made by the user in FMS.
- The ACS SmartCard Desktop Reader Proprietary Driver is the only driver to be used with FMS. The ACS Proprietary Driver installation process has now been simplified. If the PC/SC driver was installed, it must be removed and the ACS Proprietary Driver must be installed.
- Database configuration process has been improved to enforce database security and avoid object ownership problems in MS SqlServer database.

DriveRight Fleet Management Software 3.7 Release Notes

DriveRight Fleet Management Software version 3.7 includes the following changes:

- DriveRight Wireless Download System functionality is added to FMS. The Wireless Menu contains commands for configuring wireless devices, controlling the wireless communication and downloading features for the Wireless Download System. These new features, along with the Base Station (# 8130), Wireless On-Board Module (# 8129), and the Configuration Cable for Wireless On-Board Module (# 8131) give your fleet the ability to download data directly from the DriveRight devices to FMS without physically removing the DriveRight devices from the vehicle. The data moves wirelessly from the vehicle to the FMS database. The features that are added to support wireless download are:
 - Wireless Menu - The **Wireless** Menu, in conjunction with the Wireless On-Board Module (#8129), Base Station for Wireless Download System (#8130), and the Configuration Cable for Wireless On-Board Module (#8131) allows you to create a wireless connection between your fleet vehicles and the FMS software.
 - *Manual Wireless Download Icon* added to FMS toolbar.



- Wireless Devices database table, Edit Base Station, Edit Wireless On-Board Module, and Select Wireless Device Fields to Print added to the **Database** Menu.
 - Wireless Download Status Report added to the **Reports** Menu.
- FTP Export dialog box now include the Wireless Download database table in the list of possible database tables that you can export.

- Add Users dialog box now permits user accessibility definitions for the DriveRight\Wireless Download System, CarChip and SmartCard Devices.
- Improved many features regarding the FMS database installation and configuration. See **The Database Selection Guide** for more information and for the installation procedures regarding these new improvements. The database improvements are:
 - Fixed a previous issue with the User's PC name being used as a server alias name in the SQLServer database configuration process.
 - Stored procedures for installing and configuring the Oracle database are now integrated into the FMS installation process. There is no need to create the stored procedures manually unless FMS encounters problems when creating them.
 - Database migration from a previous release to the current release has now become a seamless feature. In previous releases, after FMS was upgraded, the connection with the database had to be re-established. Now, FMS automatically uses the previously configured database.
- Data validation added to make sure that the ID numbers assigned to each CarChip and DriveRight are unique.
- The Pin Code and the Driver Logout time can now be transferred to the DriveRight via the SmartCard.
- The Current Location is now displayed in the FMS title bar.

DriveRight Fleet Management Software 3.6 Release Notes

DriveRight Fleet Management Software version 3.6 includes the following changes:

- Disable Console Login feature added to the Security Settings tab in the Review DriveRight Security Settings dialog box, DriveRight Device Settings dialog box, and the Default DriveRight Settings dialog box. The Disable Console Login feature disables the Login feature on a DriveRight console if a SmartCard Reader is present. This feature is available for DriveRight 600E devices only.
- Disable Console Login column added to the DriveRight database table. The Disable Console Login column displays the Console Login status of each DriveRight in the database.
- Disable Console Login added to DriveRight database table Print dialog box.
- Set Odometer has been disabled for the DriveRight 600E device only.

DriveRight Fleet Management Software 3.5 Release Notes

DriveRight Fleet Management Software version 3.5 includes the following changes:

- The current selected location is now displayed on the title bar of FMS. This allows you to know which location's data is currently being viewed through any window or table in the FMS software.
- Three new options in **Database** Menu: Readiness Code Database, Trouble Code Database, and Batch Editing.
 - The Readiness Code Database allows you to view all the monitored readiness codes and the status of each code if you use the CarChip Fleet device.

- The Trouble Code Database allows you to review any trouble code records recorded in a vehicle using the CarChip Fleet device.
- The Batch Editing feature allows you to re-assign drivers or adjust speeds displayed in all the tables in the database of various trips.
- The CarChip database table has changed to display the interval the CarChip device now logs speed measurements.
- Miscellaneous Settings has been added to the Add CarChip Wizard and to the CarChip Settings dialog box. **Miscellaneous Settings** allows you to control the settings for extra features on the CarChip, such as Alarm and LED. The CarChip Settings dialog box also allows you to choose the update interval the CarChip device now records speed. Previously, the **Vehicle Speed** and **Update Interval** boxes were defaults and could not be user defined. Now, the Interval at which vehicle speed is sampled can be selected.
- A new option was added to the Download Options dialog box that allows you to specify the number of hours of GPS data you want the DriveRight device to store.
- Fixed a previous issue with the DriveRight and FMS software not recording a second trip that happens within the same minute as a previous trip. The DriveRight device and FMS software now display all trips, even those having the same starting times.
- New database stored procedures have been added. If the software is accessing a database run on a MS SQL Server or Oracle server, some specialized installation may be required. See **The Database Selection Guide** for more information and complete instructions.

DriveRight Fleet Management Software 3.4 Release Notes

DriveRight Fleet Management Software version 3.4 includes the following changes:

- New option in **Setup** Menu: Corporate Structure. The Corporate Structure option allows you to create a hierarchical representation of fleets and how they are distributed company wide. This feature is used in conjunction with the Driver Safety Score Report in the Reports Menu.
- A new option in the Drive Safety Score Report: Specify Drivers with Mileage option, which displays all drivers with mileage for the specified time period.
- The Serial Port options for both DriveRight and CarChip changed to Communication Port in the **Setup** Menu, with added USB support.
- USB support for Fleet CarChips added.

DriveRight Fleet Management Software 3.3 Release Notes

DriveRight Fleet Management Software version 3.3 includes the following changes:

- The Inclusion of using an on-board and desktop reader and SmartCard system to transfer data from the DriveRight 600 unit to a computer. This added feature has created the following changes to the FMS software.
 - New menu option in the **Setup** Menu: SmartCard Reader. Lets you select the SmartCard reader type. The SmartCard Reader requires USB driver installation before the SmartCard Reader can be determined and set up.
 - New menu: SmartCard Menu. The **SmartCard** menu contains several menu options for setting up, monitoring, and maintaining all the SmartCards and DriveRights using the SmartCard System. The SmartCard menu options are:

- Download - Downloads information stored on a card to a selected base from a SmartCard Reader.
- Setup Card - Allows you to select user and vehicle information for a card.
- Transfer to DriveRight - Uses the card to transfer settings and information to a DriveRight or multiple DriveRight devices.
- Clear Transfer Data - Clears the settings and data that sets the DriveRight
- Erase - Erases all data stored on the SmartCard
- GPS Settings included in the **DriveRight Settings** dialog box in the **Setup, DriveRight** and **SmartCard** menus. Allows you to turn the GPS logging and subsequent mapping feature on. Works only with DriveRight 600 units with GPS modules

DriveRight Fleet Management Software 3.2 Release Notes

DriveRight Fleet Management Software version 3.2 includes the following changes:

- Automated mapping of GPS data.
- New Report: Driver Safety Score Summary. The Drive Safety Score Summary report calculates driver scores and average scores for each month for a 3, 6, or 12 month time period. Each driver's score is calculated for each selected month and displayed in an excel file. The data generated by this report is saved in the Safety Score table in the FMS database. You can sort this report by end date score, report average scores, or driver name and can choose to group the drivers by their location if multiple locations are selected.
- New database table: Safety Score. This table is generated by the Driver Safety Score Summary Report.
- Driver Safety Score Report replaces Driver Performance Score Report.
- Driver Safety Score Report Formula replaces Driver Performance Score Formula.
- Exclusive Driver option added to the Vehicles Table. Selecting this option will cause all trip data to be assigned to the default driver even if other drivers are listed in the data.
- The Tamper Log Report now displays the time between unplugging from a vehicle and downloading a DriveRight as well as the time between downloading a DriveRight and reconnecting it to a vehicle.

DriveRight Fleet Management Software 3.1 Release Notes

The most important change in DriveRight Fleet Management Software version 3.1 is support for the CarChip Fleet device. DriveRight FMS 3.1 also includes two new reports.

CarChip Fleet Support

- Download CarChip Fleet data into the DriveRight FMS database.
- Store trip info, accident logs, and tamper logs.
- View and set CarChip Fleet configuration in both the device and FMS database.

Note: DriveRight FMS 3.1 does not store engine data and diagnostic trouble logs in the database. This information can be downloaded and viewed using the CarChip software included on your DriveRight FMS 3.1 CD.

New Reports

- Time Over Speed Limit Exception Report
- Days Since Last Download Report

DriveRight Fleet Management Software 3.0 Release Notes

DriveRight 3.0 is a total redesign of the earlier versions of the software. We designed and developed the software with an aim to provide:

- Robust database server support, to be able to handle large data.
- Flexibility to configure and connect to more than one DataBase Management System (DBMS).
- Better Reports for both viewing and printing.
- Improved Database Browser.
- Better organization of data coming from different locations.
- Improved user interface.

Important Features in DriveRight 3.0

- Flexible Database support for almost any relational database which supports SQL language, and has a ODBC driver.
- Supports the following relational database servers: MySQL, Microsoft SQL Server and Oracle.
- Free support for MS Access and MSDE, which are ideal for small fleets with a single user.
- A location field was added to the database tables to facilitate “rolling up” data which makes it possible to manage data from many locations in one database.
- FTP export and import data through the internet making it easier to move data from one location to another.
- Automatic backup and “zipping” of data with the option of keeping a fixed number of months in the database to help speed up operations.
- The “Add DriveRight” wizard makes adding a DriveRight to the program simpler and less prone to mistakes.
- Elimination of redundant reports and the addition of several new reports.
- Reorganized reports menu with several new and redesigned reports.
- Improved viewing and printing of reports.
- New “usage” report to help trace night and weekend driving.
- Improved exception reports for Excessive Speed, Hard Braking, and Night Driving.
- A “Relationship” report that shows a list of all DriveRights, which vehicles they are assigned to, along with a default driver if one has been assigned.

- Improved browser with user-configurable colors, fonts, and field widths.
- Simplified filter support to make it easier to select what you want.
- Use of standard calendar control for specifying dates.
- Email support for all Excel generated reports.
- Supports Palm PDA download of DriveRight consoles.

Operational differences between DriveRight 3.0 and earlier versions

The operation of DriveRight 3.0 is very similar to 2.x, but there are some fundamental changes that you should be aware of.

- In 2.x the vehicle table contained all the information about a particular DriveRight, in addition to information on the vehicle. However, in 3.0 a new table was introduced, the DriveRights table, which stores DriveRight console information. Vehicle information is stored in the vehicle table, and DriveRight information is stored in the new DriveRights table. In 3.0, a DriveRight must be “assigned” to a vehicle. When your old data is converted, for each vehicle in 2.x a new DriveRight and vehicle is created in the 3.0 database.

Note: A DriveRight is identified using its DriveRight ID, and a particular vehicle is identified using its Vehicle ID.

Note: A “relationship” report was added to the program to help clarify the relationship between vehicles, DriveRights, and drivers.

- The “Set DriveRight” option in 2.06/2.6.1 appears as “View/Set” in the “DriveRight/DriveRight Settings” menu. Unlike 2.06/2.6.1, when changes are made to a DriveRight using this option, they are also stored in the DriveRight table.
- Adding a new DriveRight to the program can now be done more easily using the Add New DriveRight wizard which steps you through the process and helps clarify where you stand with respect to the calibration of the DriveRight.
- You will also notice that every table now has a “location” field. The location field was added to facilitate “rolling up” of data from many locations so they can be managed in one database.

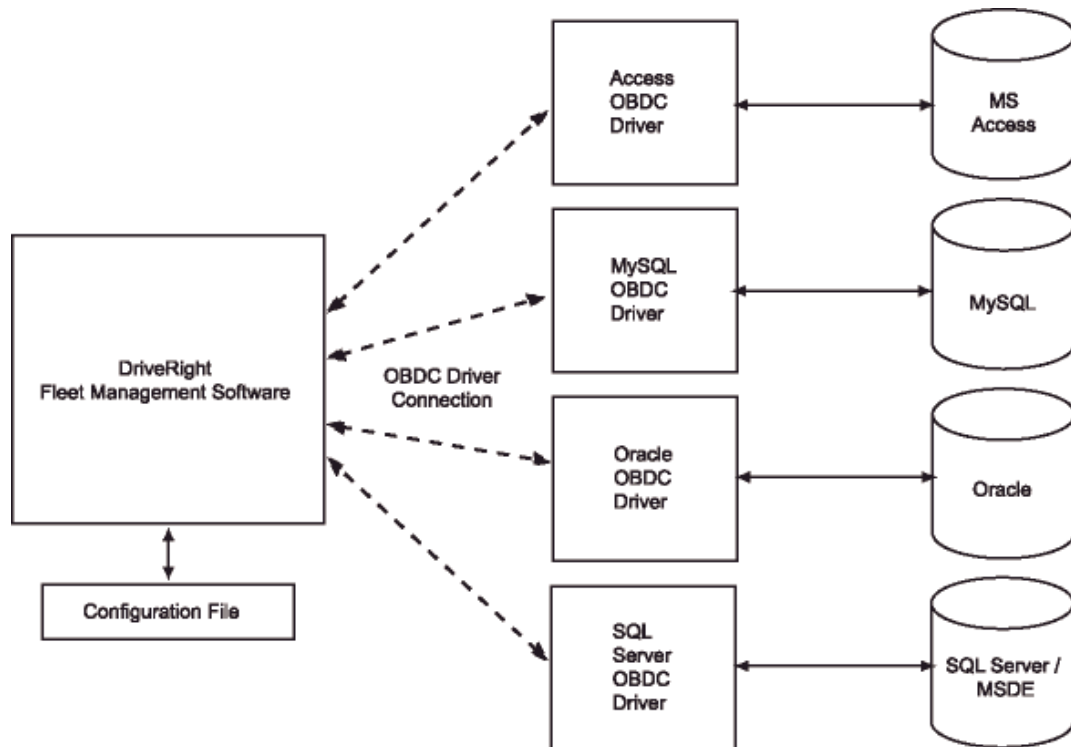
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Architecture

DriveRight Fleet Management Software (FMS) architecture allows the software to be connected to any of the Database Servers we support. The communication between DriveRight FMS and Database is done through an ODBC connection by means of an ODBC driver. Currently DriveRight FMS supports MS Access, My SQL, MSDE, SQL Server and Oracle databases. Other databases may be added in the future.

The following figure illustrates how DriveRight FMS connects to the back-end Database Server.



Note: DriveRight can only be connected to one database at a time.

When DriveRight FMS is opened for the first time, the user is prompted to select the database type to be used for this installation. Based on the user's selection, a connection is established to one of the ODBC drivers. The database type is stored in the configuration file.

See also:

Database Selection Guidelines

Setup Overview

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Database Selection Guidelines

Please refer to the DriveRight FMS Database Selection Guide for information on choosing and installing a database for your installation. We included a printed copy of the Database Selection Guide with your DriveRight FMS as well as a PDF version that can be found in the DriveRight

FMS program folder. The Database Selection Guide can also be downloaded from the Automotive Support section of our website: [DriveRight FMS Database Selection Guide](#).

DriveRight Fleet Management Software (FMS) supports the following databases.

Single-User Databases:

- MS Access (Microsoft Access)
- MSDE (Microsoft Desktop/Data Engine)

Multi-User Databases:

- MySQL
- MS SQL Server (Microsoft SQL Server)
- Oracle

See also:

[Architecture](#)

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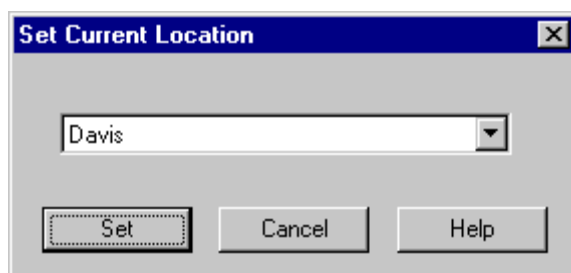
Converting 2.04-2.06/2.6.1 Database to DriveRight FMS Format

A separate conversion utility, OldToNew, has been included with the DriveRight FMS software to allow the conversion of existing DriveRight 2.04, 2.05, 2.06 and 2.6.1 database files for use with DriveRight FMS.

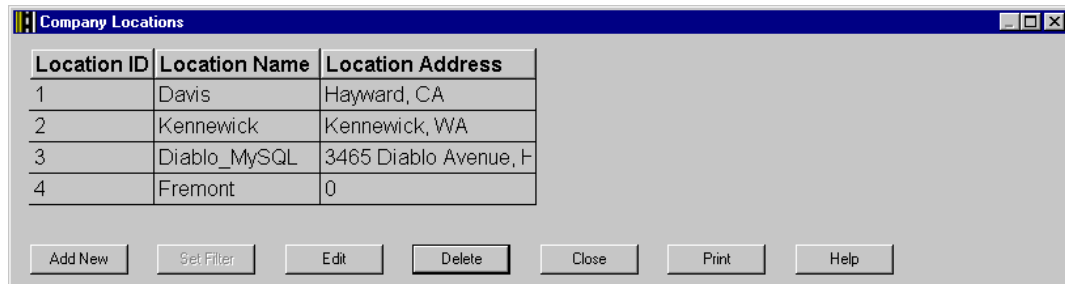
Note: This conversion utility can only be used with databases created by DriveRight 2.04, 2.05, 2.06 or 2.6.1. If you are using an earlier version of the DriveRight software you must first upgrade to one of the supported versions.

Use the following procedure to convert your existing DriveRight database for use with DriveRight FMS:

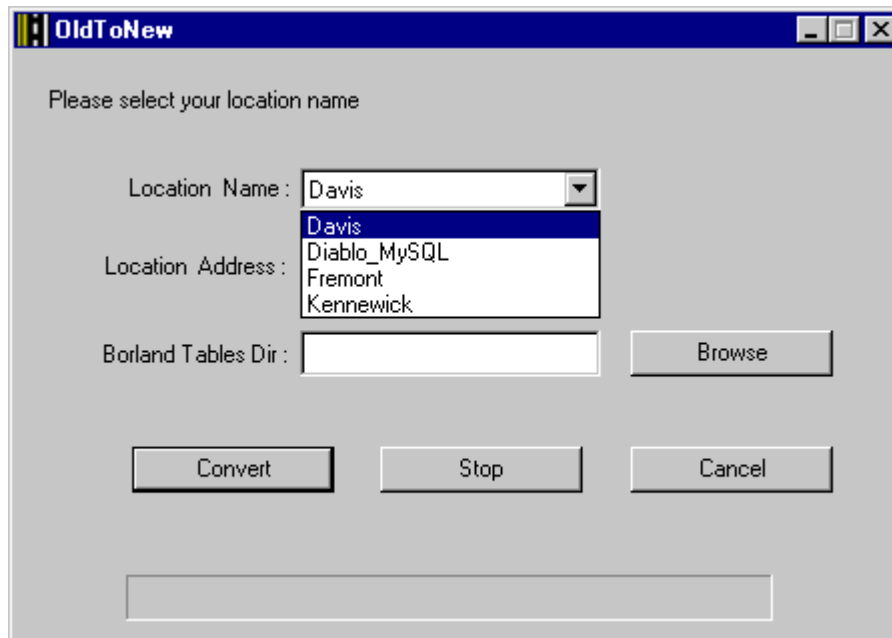
1. Install and run DriveRight FMS before you convert your data to the new format.
2. Verify the current location in DriveRight FMS using the Current Location command in the Setup Menu. This location information will be associated with all the 2.x data when converted into the new database format.



- To import data to a new location, select the Company Locations command in the Database Menu in DriveRight FMS, then click the Add New button in the Company Locations browse window.



- Go to Startup>Programs>DriveRight and run OldToNew.
- To import data, select the location from the drop down list.



- Click the Browse button to select the DriveRight 2.x tables directory (By default it is C:\Program Files\DriveRight Software\tables).
- Click the Convert button to start the conversion. Once the data is converted you will see a success message.

Note: The conversion process can take a long time depending on the size of your 2.x database. You can interrupt the conversion at any time by clicking the stop button, but this is not recommended.

- All the 2.x data has been converted into the new database format for DriveRight FMS.
- Go to DriveRight FMS and view various tables using the Database Menu commands to make sure the data has been converted properly.

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Setup Overview

The initial setup of your DriveRight FMS consists of the following operations:

1. Select and Install Database

Before you run the software for the very first time you will need to select the database to be used with DriveRight FMS. Refer to the Database Selection Guide for information on choosing and installing a database.

If you select either MS Access or MSDE, DriveRight FMS will install the necessary components during the FMS installation. If you select MySQL, MS SQL Server, or Oracle, you will need to install and configure the database before installing DriveRight FMS.

Database Selection Guidelines

2. Install DriveRight FMS

Insert the DriveRight FMS CD and follow instructions.

3. Initial Program Configuration when you first run DriveRight FMS.

Refer to the *DriveRight FMS Getting Started Guide* for initial program configuration information.

4. Install the drivers for accessories you want to use.

Install drivers for the SmartCard Desktop Reader and wireless devices if you want to use them. Refer to the *DriveRight FMS Getting Started Guide* for instructions on installing the accessory drivers. See Wireless Device Communication Problems for help with installing or re-installing your wireless device driver. See SmartCard Reader Device Communication Problems for help with installing or re-installing your SmartCard Desktop Reader Device driver.

5. Converting DriveRight 2.04, 2.05 & 2.06 Databases

If you have a DriveRight database created using version 2.04, 2.05, or 2.06 of the DriveRight Vehicle Management Software, it needs to be converted for use with DriveRight FMS:

Convert Database

6. DriveRight FMS Software Setup

Check the following configuration preferences and make any necessary changes:

Set Units - Select your unit preferences for the data displayed in the dialog boxes, database browser, and reports.

Backup Options - Allows you to set the number of months of data to keep in the current database.

Download Options - Use this option to synchronize the DriveRight device date and time with your computer after each download. Also, if a downloaded device is either a 500 or

600 or 600E model, you can choose how the software will treat the Driver ID. Once set, this preference will be uniform for all devices.

7. Set Default DriveRight Settings Wizard

The values entered in this setup are used as default settings when you add new DriveRight devices to the database. You can set DriveRight default values using the Default DriveRight Settings Wizard in the **Setup** Menu. Check the default settings to make sure they suit your application.

8. Set Default CarChip Settings

The values entered in this setup are used as default settings when you add new CarChip devices to the database. You can set CarChip default values using the Default CarChip Settings command in the Setup Menu. Check the default settings to make sure they suit your application.

Note: If you are using both DriveRight and CarChip devices in your fleet, be sure to set the Safety Settings uniformly for both types of devices.

9. Select the Serial Port and Test Communications

- Use the Serial Port - DriveRight command in the Setup Menu to select the serial port used to connect to a DriveRight device.
- Use the Serial Port - CarChip command in the Setup Menu to select the serial port used to connect to a CarChip device.
- Use the Auto Detect feature in the Serial Port dialog box to test communications.

10. CarChip / DriveRight Considerations

- If both a CarChip device and DriveRight console are installed in the same vehicle, you will need to create duplicate entries in the DriveRight FMS databases for the vehicle and driver. Otherwise you will see duplicate trip data in your DriveRight FMS reports.
- If you have multiple serial ports, you can connect CarChip to one serial port and DriveRight to another. If you do not have multiple serial ports we recommend you buy a serial switch box to switch between the two devices or a serial extension cord to make plugging and unplugging the download cables more convenient.

11. Building Your Database Tables

- When you add a DriveRight you will need to assign a default vehicle. When you add a vehicle you will need to assign a default driver. So, it is most efficient to add the drivers first, the vehicles second and the DriveRights third.
 - First, add all drivers.
 - Second, add all vehicles.
 - Third, add all DriveRights.
- When you add a CarChip you will need to assign it to either a vehicle or a driver. If you assign CarChip to a vehicle, all the downloaded data is assigned to the default driver of that vehicle. If you assign CarChip to a driver, all the downloaded data is assigned to that driver and the vehicle will be unallocated.

- If a CarChip will only be used in one vehicle, assign it to that vehicle.
- If a CarChip will be used by only one driver, assign it to that driver. A CarChip assigned to a driver can be used in multiple vehicles.

12. Using the Software

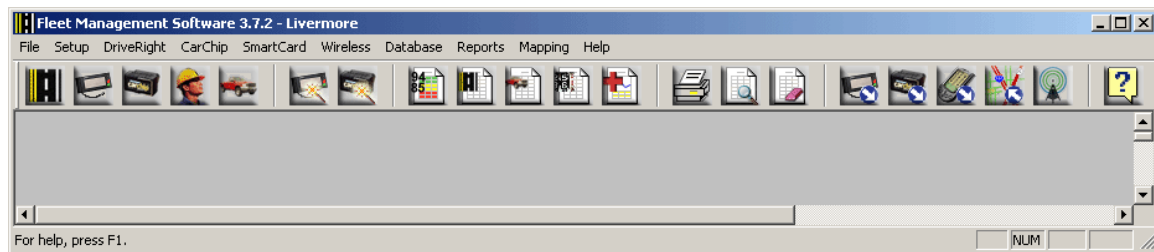
You are now ready to start using DriveRight FMS.

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Tool Bar

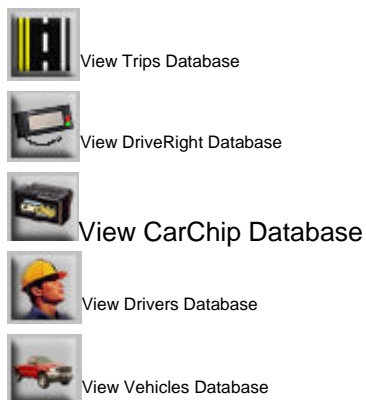
To get information about an FMS menu or tool bar icon, click on the command or icon in the illustration:



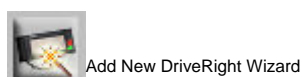
Note: To see the full toolbar, expand the Online Help window to full screen.

List of Toolbar Icons

Database Icons



Add Device Icons





Add New CarChip Wizard

Report Icons



Driver Safety Score Report



Trip Summary Report



Usage Report



Odometer Report



Accident Log Report

File Menu Command Icons



Print



Print Preview



Clear Screen

Data Download/Export Icons



Download DriveRight



Download CarChip



Download Palm



Export GPS Data to Mapping Software



Manual Wireless Download

Help Icon



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[Database Backup Considerations](#)

If you have GPS-enabled DriveRights, you will rapidly accumulate a large amount of data in the GPS Table due to the frequency of GPS logging.

To avoid the database from becoming unmanageable, you can export the GPS Table alone more frequently than your normal backup interval, and delete the GPS data by using the Maintenance command. By doing this you still have trips data for your reports while at the same time limiting the database size.

Example:

1. Set the Backup Options (**Preferences** command in the **Setup** Menu) to select the number of months you want to keep active in the database.
2. Suppose that you have some DriveRights with GPS data enabled. Your GPS Table will grow much more rapidly than the Trips Table. But you still want to keep the last three (3) months of trip data for reporting purposes.
3. Since DriveRight FMS does not support Backup of individual database tables, you can use the Export command to create individual backups of the GPS Table.
4. Refer to the Database Size Recommendations Table to determine how frequently you should Export the GPS Table. Once you determine the export frequency, you will need to manually repeat this process.
5. In this example, you want to keep one month of GPS data active in the database.
6. Go to the Export GPS command.
7. Enter a file name for the GPS export data similar to this: gps_10_apr_2003.txt.

Note: Be careful about naming the GPS export file so that you don't lose previously exported data.

9. Go to the Database > Maintenance > GPS command and delete all GPS data older than your export frequency from Step 5. In this example it is one month.

See also:

Active Database Size Recommendations

Preferences: Backup Options

Export Menu

Maintenance

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Active Database Size Recommendations

The following recommendations are based on tests and calculations made with these assumptions:

- 10 trips per day per vehicle
- Trip duration: 1 hour (10 hours driving time per day per vehicle)
- GPS data logged every 10 seconds

Note: If your fleet size exceeds the scenarios shown below, we recommend that you use a multi-user database.

Note: For multi-user databases, theoretically there is no fleet size limit. Still, we recommend that you backup data once a month, keeping only the amount of data required for reporting purposes in the active database, typically 3-6 months.

Recommendations Table

| Scenario | Number of Vehicles | Amount of Active Data in Database | Remarks and Recommendations |
|--------------------|--------------------|-----------------------------------|---|
| No GPS | 25 | Up to 1 year | Backup data once a month for application performance. Using backup options you can set maximum of 1 year of data in the active database |
| | 50 | Up to 9 months | Backup data once a month for application performance. Using backup options you can set maximum of 9 months of data in the active database |
| | 100 | Up to 6 months | Backup data once a month for application performance. Using backup options you can set maximum of 6 months of data in the active database |
| MSDE with GPS | 5 | Up to 1 month | Backup data every month for application performance. Using backup options you can set maximum of 1 months of data in the active database |
| MS Access with GPS | 10 | Up to 1 month | Backup data every month for application performance. Using backup options you can set maximum of 1 months of data in the active database |

See also:

Active Database Size Recommendations

Preferences: Backup Options

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Backup

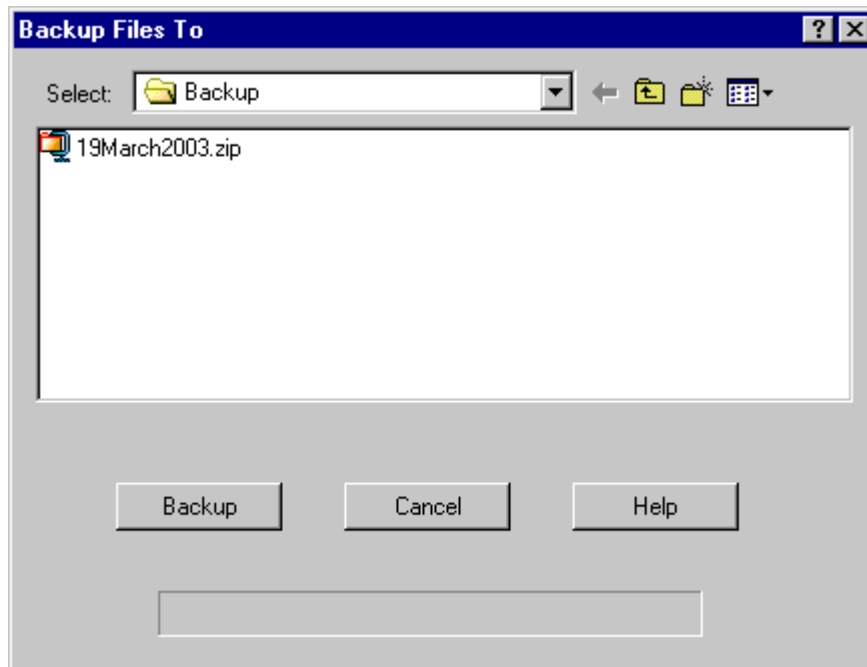
The **Backup** command is used to archive old data as a zip file. The backup files are stored in the Backup sub-directory in the DriveRight FMS install directory. The Backup sub-directory is created the first time you back up your data.

The backup zip files are named based on the start and end dates chosen for the backup. For example, if you pick the dates between March 6, 2003 and March 27, 2003, the backup file will be named *6March2003_27March2003.zip*.

You can configure how much data to keep active after a backup by setting up your Preferences: Backup Options in the **Setup** menu. Limiting the amount of data in the active database helps prevent the database from growing into an unmanageable size.

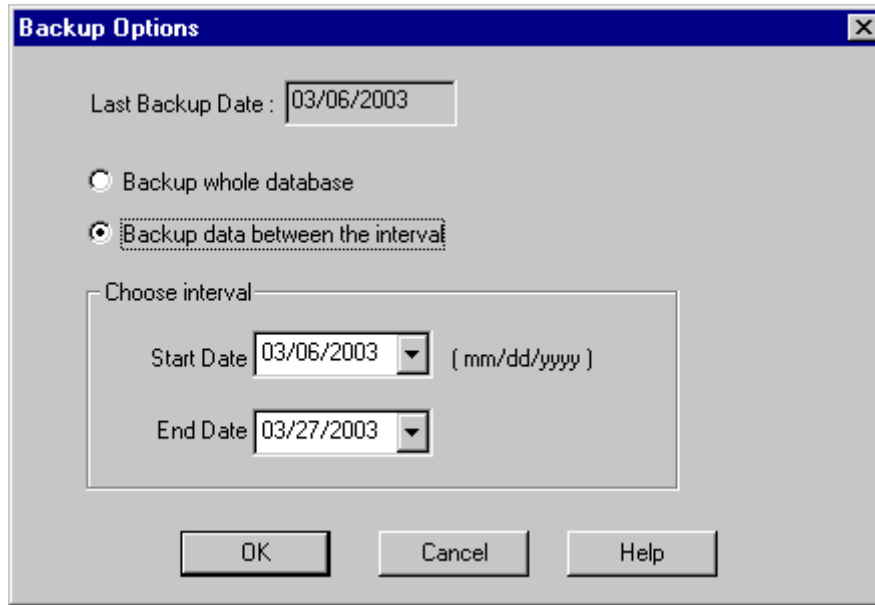
To backup data:

1. Click **Backup** in the **File** menu. The **Backup Files To** dialog box is displayed.



2. From the **Backup Files To** dialog box select the folder where the backup file will be written. The Backup Options dialog box is displayed.

Note: The Backup Options dialog box will not be displayed the first time you back up DriveRight data.



3. In the **Backup Options** dialog box check your last backup date and specify whether to backup the whole database or only those records falling within a specified time period. The start date will always be initialized to the last backup date.
4. Click **OK** to initiate the backup or click **Cancel** to exit the dialog box without backing up your database.
5. When the backup is finished, click **OK** to return to the program.

See Also:

Restore

Preferences: Backup Options

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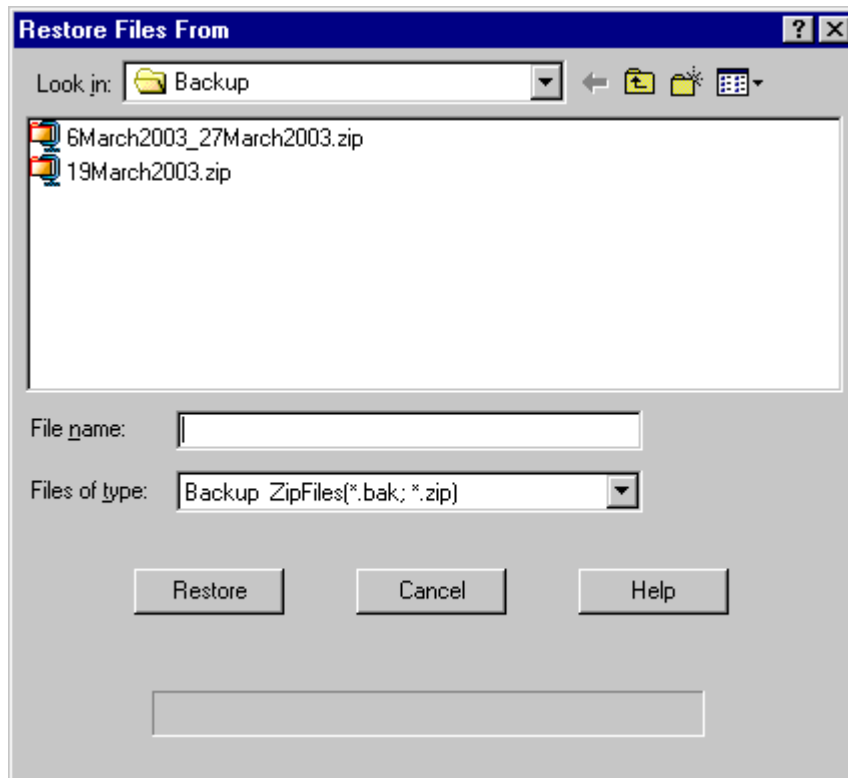
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Restore

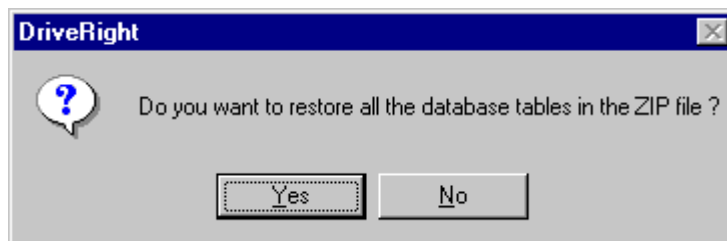
The Restore command is used to get a previously Backed up data back into the active database. In this process you can pick one or more tables to be restored.

To restore data:

1. Click **Restore** in the **File** menu. The **Restore Files From** dialog box is displayed.



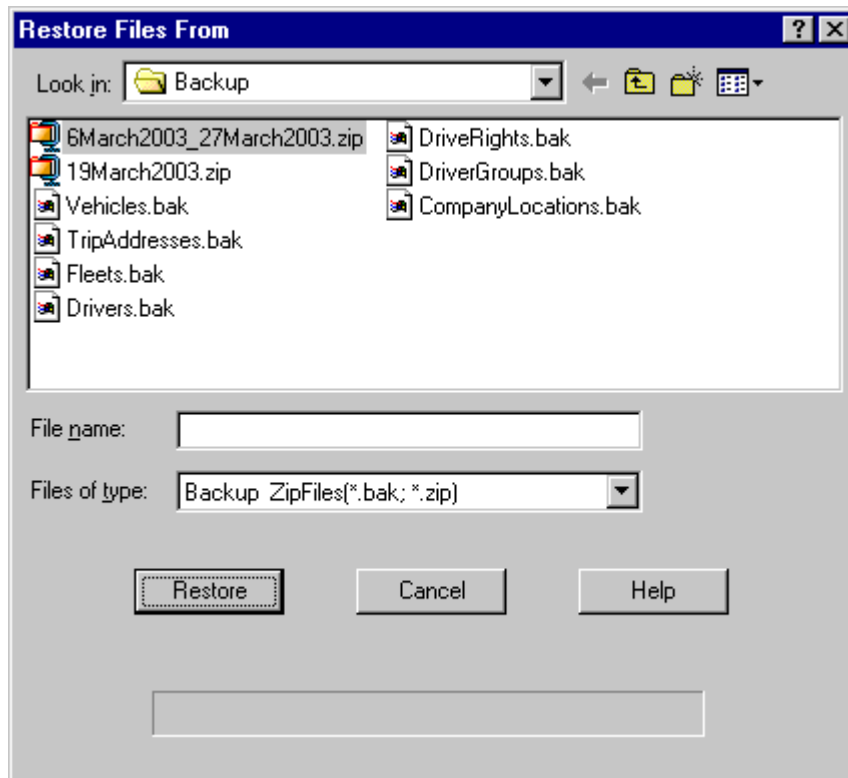
2. From the **Restored Files From** dialog box select a single zip file to restore, and then click **Restore**. DriveRight FMS unzips the file and displays all the tables in the dialog, and displays the following dialog box:



Note: You can only restore one .zip file at a time.

Note: The backup file filename is based on the start and end dates chosen for the backup.

3. You can either restore all the database tables or restore individual database tables. Click **Yes** in the dialog box to restore all the tables. Click **No** to restore selected database tables.
4. If you are restoring selected database tables, select each table to be restored. Hold down the Control key on your keyboard to select multiple tables. When you have finished making your selection, click **Restore** to restore the tables or click **Cancel** to exit without restoring the tables.



5. When the files have been restored, click **OK** to return to the program.

See Also:

Backup

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Export Menu

Use the export menu options to export DriveRight FMS data.

FTP Export - Use the FTP Export command to export database data to a remote site.

Export GPS to Mapping Software - Use the Export GPS to Mapping Software command to export GPS data in a format designed to be imported into mapping software.

Export Accidents to Mapping Software - Use the Export Accidents to Mapping Software command to export accident GPS data in a format designed to be imported into mapping software.

Other Export Commands - Use the other export commands to export the indicated type of data in a tab-delimited text file.

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Import Menu

Use the Import Menu options to import DriveRight database data into DriveRight.

Import: FTP Import

Import: Import Data From

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CarChip Quick Reference

CarChip Quick Reference

CarChip Considerations

Adding Drivers, Vehicles and CarChips

CarChip Considerations

CarChip Settings

Downloading CarChip

Downloading CarChip Guidelines

Download CarChip

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Adding Drivers, Vehicles and CarChips

Please refer to the following guidelines when adding new drivers, vehicles, and CarChips devices.

- A CarChip device must be assigned to either a vehicle or a driver.
- Unlike DriveRight devices, a CarChip device can be easily switched from vehicle to vehicle, as long as all the vehicles provide a supported OBDII port.
- If a CarChip is assigned to a vehicle, the default driver of that vehicle will appear as the driver on all downloaded data from that CarChip.
- If a CarChip is assigned to a driver, then all data downloaded from that CarChip will be associated with that driver and the vehicle will be listed as UNKNOWN VEHICLE.
- If you just want to add a CarChip and you don't yet have a vehicle or driver to assign, you can select "UNKNOWN VEHICLE".
- Based on your specific situation, you should carefully consider the options before assigning a CarChip to either a vehicle or driver.
- The Add New CarChip command opens a wizard that will guide you through the process of adding CarChips. It will also allow you to add drivers and vehicles if they are not already in the database.

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CarChip Considerations

- If both a CarChip device and DriveRight console are installed in the same vehicle, you will need to create two entries for the driver and two entries for the vehicle in the DriveRight FMS database. Otherwise you will see duplicate trip data in your DriveRight FMS reports.
- If you have multiple serial ports, you can connect CarChip to one serial port and DriveRight to another. If you do not have multiple serial ports we recommend you buy a serial switch box to switch between the two devices or a serial extension cord to make plugging and unplugging the download cables more convenient.
- If you are using both CarChip and DriveRight devices, make sure both types of devices use the same safety settings.
 - Speed Band 3 in CarChip should match Speed Limit in DriveRight.

- Hard Braking in CarChip should match Decel Limit in DriveRight.
- Hard Acceleration in CarChip should match Accel Limit in DriveRight.
- Unlike DriveRight, a CarChip can be assigned either to a vehicle or to a driver.

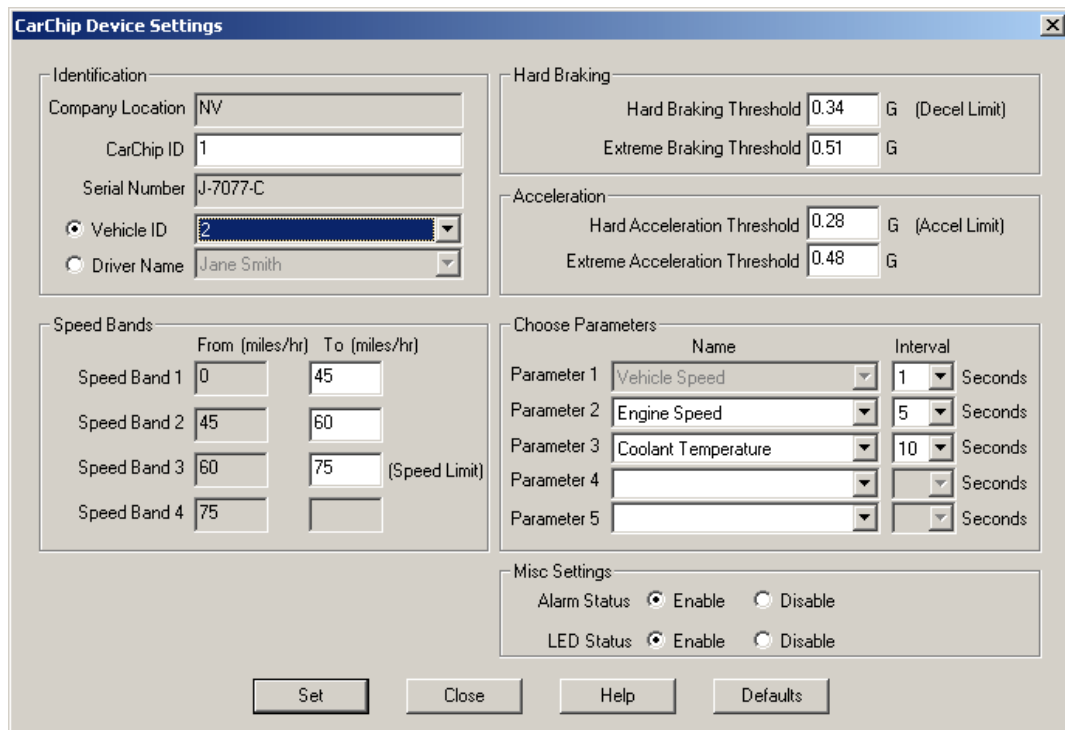
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CarChip Settings

Use the CarChip Settings command in the CarChip Menu to quickly view all CarChip settings, to add a CarChip to the database or to edit CarChip settings.

1. Select **CarChip Settings** from the CarChip Menu. The CarChip Device Settings dialog box is displayed.



The CarChip Device Settings dialog box is shown with the following sections and controls:

- Identification:**
 - Company Location: NV
 - CarChip ID: 1
 - Serial Number: J-7077-C
 - Vehicle ID: 2 (selected)
 - Driver Name: Jane Smith
- Hard Braking:**
 - Hard Braking Threshold: 0.34 G (Decel Limit)
 - Extreme Braking Threshold: 0.51 G
- Acceleration:**
 - Hard Acceleration Threshold: 0.28 G (Accel Limit)
 - Extreme Acceleration Threshold: 0.48 G
- Speed Bands:**

| | From (miles/hr) | To (miles/hr) |
|--------------|-----------------|------------------|
| Speed Band 1 | 0 | 45 |
| Speed Band 2 | 45 | 60 |
| Speed Band 3 | 60 | 75 (Speed Limit) |
| Speed Band 4 | 75 | |
- Choose Parameters:**

| | Name | Interval | |
|-------------|---------------------|----------|---------|
| Parameter 1 | Vehicle Speed | 1 | Seconds |
| Parameter 2 | Engine Speed | 5 | Seconds |
| Parameter 3 | Coolant Temperature | 10 | Seconds |
| Parameter 4 | | | Seconds |
| Parameter 5 | | | Seconds |
- Misc Settings:**
 - Alarm Status: ☒ Enable ☐ Disable
 - LED Status: ☒ Enable ☐ Disable

Buttons at the bottom: Set, Close, Help, Defaults.

2. Make any desired changes. For more information on the CarChip settings, click on the links below:

[CarChip ID](#)

[Hard Braking, Acceleration and Speed Bands](#)

[Choose Parameters](#)

Note: If you change the vehicle assigned to a CarChip, the vehicle table will also be changed to reflect the new assignment.

Note: If you assign a vehicle to a CarChip that had been previously assigned to a DriveRight device, the vehicle assignment for that DriveRight will be changed to "UNASSIGNED VEHICLE".

3. If necessary, click **Defaults** to change the CarChip Hard Braking, Acceleration, Speed Bands, and Engine Parameters to the DriveRight FMS CarChip default settings.
4. Click **OK** to save the changes or click Cancel to exit without saving.

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Downloading CarChip Guidelines

You cannot download a CarChip device if any of the following conditions exist:

- CarChip not present in the database.
- CarChip not assigned to a Vehicle or to a Driver.
- Unless every thing is configured properly, you cannot download from the device.

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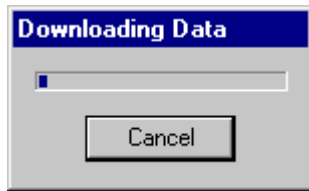
Download CarChip

Use this command to download data from your CarChip data logger into your computer.

To download CarChip data:

1. Connect your CarChip device to your computer.

2. Choose Download CarChip from the CarChip menu. The Downloading Data dialog box appears.



2. The dialog box disappears when the download is complete.
3. Choose Cancel only if you wish to abort the download before it is finished.

See also:

[Downloading CarChip Guidelines](#)

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DriveRight Quick Reference

DriveRight Quick Reference

[DriveRight Configuration](#)

[Adding Drivers, Vehicles and DriveRights](#)

[DriveRight Settings](#)

[Verify DriveRight Calibration](#)

[Setup GPS](#)

[Downloading DriveRight](#)

[Downloading Requirements](#)

[Download DriveRight](#)

[Download Palm](#)

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Adding Drivers, Vehicles and DriveRights

Please refer to the following guidelines when adding new drivers, vehicles, and DriveRight devices.

- The Add New DriveRight command opens a wizard that will guide you through the process of adding DriveRights. It will also allow you to add drivers and vehicles if they are not already in the database.
- If you are adding a new driver, vehicle, and DriveRight, you should add the driver first, the vehicle second, and the DriveRight last.
- If you just want to add a vehicle and you don't yet have a driver to assign, you can select "UNALLOCATED DRIVER".
- If you just want to add a DriveRight and you don't yet have a vehicle to assign, you can select "UNKNOWN VEHICLE".

Important: If you selected either a UNALLOCATED DRIVER or UNKNOWN VEHICLE, you should change them to real entries before actually using the DriveRight in the field and downloading it. Otherwise, the data will be assigned to the wrong entities and will affect the results when you run Reports, etc.

See also:

Add New DriveRight

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DriveRight Settings

The following commands allow you to view and or change the settings on a DriveRight device:

View/Set

Restore

Setup GPS

Verify DriveRight Calibration

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DriveRight Settings: Verify DriveRight Calibration

The Calibrate DriveRight dialog box allows you to verify DriveRight calibration settings.

- The Calibration Setting Dialog box shows two installation methods. VSS (vehicle speed sensor) installation and Reed Switch.

To verify the DriveRight console calibration:

1. Click on DriveRight Settings from the DriveRight Menu.
2. Select Verify DriveRight Calibration from the drop-down menu. A DriveRight Calibration Message dialog box is displayed.
3. Click OK, Set or Cancel to continue, depending on the displayed message. The Calibrate DriveRight dialog box is displayed.

The screenshot shows the 'Calibrate DriveRight' dialog box. It features a title bar with the text 'Calibrate DriveRight' and a standard window control button. The main area contains an 'Installation Method' section with two radio buttons: 'Reed Switch' and 'VSS'. The 'VSS' radio button is selected. To the right of the 'VSS' radio button is a text box containing the value '8000' and a dropdown arrow, followed by the label 'PPM'. Below this section are two text boxes: 'Pulses per Reading' with the value '8' and 'Calibration Number' with the value '88473'. At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Help'.

3. If the DriveRight is using a reed switch for the speed sensor, make sure the Installation Method indicates Reed Switch.
 - Reed Switch: If the DriveRight device has been previously calibrated in the vehicle or through the software, then DriveRight FMS automatically calculates the Calibration number for your vehicle. We strongly recommend that you do not change these values. The PPR for a reed switch is always "1".
4. If the DriveRight is using the vehicle's VSS for the speed sensor, make sure the Installation Method indicates VSS.
 - VSS: If the DriveRight device has been previously calibrated in the vehicle or through the software, then DriveRight FMS automatically calculates the VSS PPM (Pulses Per Mile), PPR (pulses per reading) and Calibration number for your vehicle. Otherwise you must specify the PPM for your vehicle. Depending

on your selection, software calculates the PPR (pulses per reading) and calibration values and fills the edit boxes with them.

5. If you are using the VSS, you can adjust the pulses per mile (PPM) from the drop down list or enter the PPM in the edit box if necessary. We recommend that you not change these settings if the DriveRight has been previously calibrated.
6. Click OK to save changes to the calibration, or click cancel to exit without saving changes.

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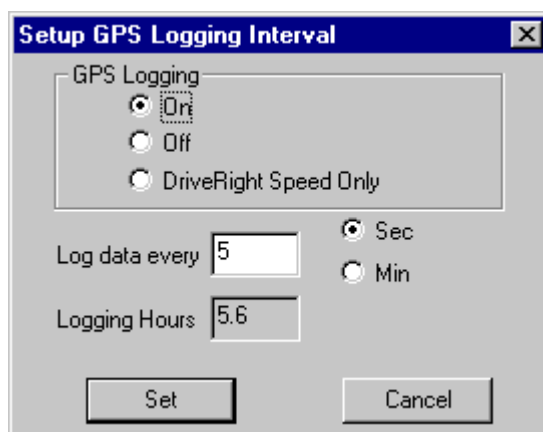
DriveRight Settings: Setup GPS

Use this command to view and/or modify the GPS settings on a DriveRight device.

Note: This command only works with the DriveRight 600.

To setup GPS logging:

1. Select DriveRight Settings from the DriveRight Menu.
2. Select Setup GPS from the DriveRight Settings drop down list. The Setup GPS Logging Interval dialog box is displayed.



3. Set GPS Logging to On, Off, or DriveRight Speed Only.
 - Select On to enable GPS logging.
 - Select Off to disable GPS logging.

- Select DriveRight Speed Only to log the DriveRight speed without the GPS coordinates. No GPS unit is required to enable this option.
- 4. Enter the desired logging interval and indicate a time unit of either seconds (Sec) or minutes (Min). Logging Hours indicates how much data can be stored at the selected interval.
- 5. Click Set to save the changes or click Cancel to exit without changing the settings

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Downloading Requirements

You cannot download a DriveRight if any of the following conditions exist:

- DriveRight not present in the database.
- DriveRight not assigned to a Vehicle.

Note: The same conditions also apply to Host Mode and Palm Download.

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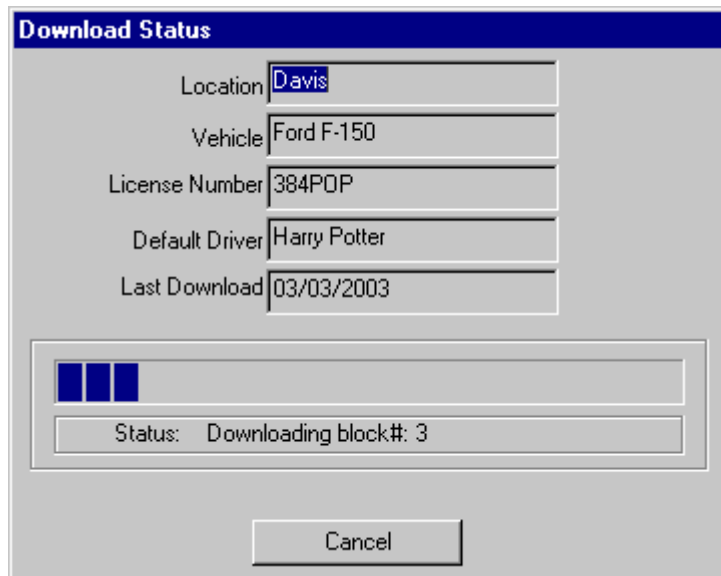
Download DriveRight

The Download DriveRight command transfers trip data from the connected DriveRight device to the DriveRight database.

To download your DriveRight:

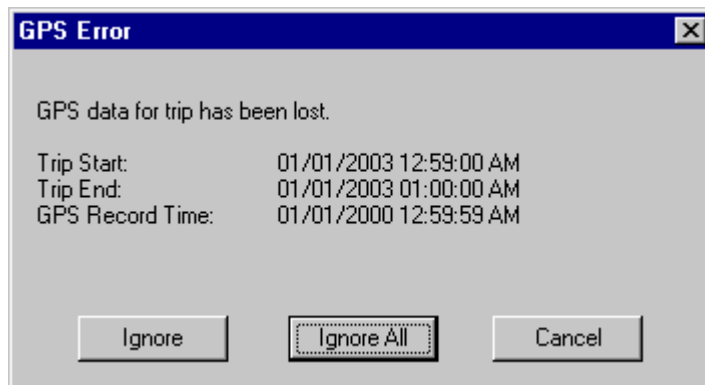
1. Connect your DriveRight console to your computer and make sure the DriveRight is "awake". Press the MODE key if there is nothing on the LCD display.
2. Select **Download DriveRight** in the **DriveRight** Menu. The following **Download Status** box is displayed:

Note: You will see the **Cancel** button only if you are downloading a DriveRight 600.



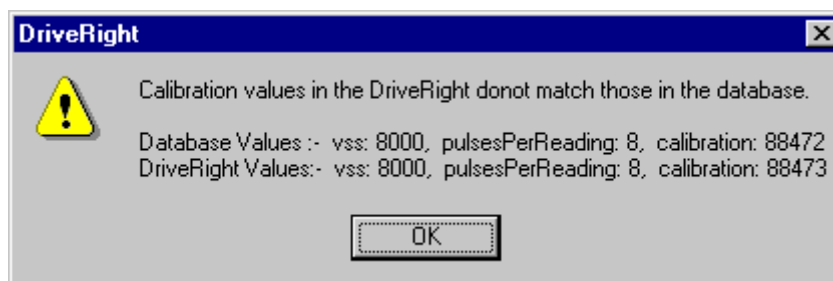
The 'Download Status' dialog box has a blue title bar. It contains five input fields: 'Location' with 'Davis', 'Vehicle' with 'Ford F-150', 'License Number' with '384POP', 'Default Driver' with 'Harry Potter', and 'Last Download' with '03/03/2003'. Below these is a progress bar with three blue segments. A status box below the progress bar says 'Status: Downloading block#: 3'. A 'Cancel' button is at the bottom.

3. You may lose GPS data for earlier trips if the DriveRight console is not downloaded for an extended period of time. In this case you will see a warning message similar to this:



The 'GPS Error' dialog box has a blue title bar with a close button. The text inside says 'GPS data for trip has been lost.' Below this, it lists: 'Trip Start: 01/01/2003 12:59:00 AM', 'Trip End: 01/01/2003 01:00:00 AM', and 'GPS Record Time: 01/01/2000 12:59:59 AM'. At the bottom are three buttons: 'Ignore', 'Ignore All' (which is highlighted with a dashed border), and 'Cancel'.

4. If the calibration in the DriveRight console does not match the calibration in the database, you will see a warning message similar to this:



The 'DriveRight' dialog box has a blue title bar with a close button and a yellow warning icon. The text says 'Calibration values in the DriveRight donot match those in the database.' Below this, it lists: 'Database Values :- vss: 8000, pulsesPerReading: 8, calibration: 88472' and 'DriveRight Values:- vss: 8000, pulsesPerReading: 8, calibration: 88473'. An 'OK' button is at the bottom.

5. When the data has finished downloading the following dialog box is displayed:



6. Press **Enter** or click **OK** to continue.

See also:

Downloading DriveRight Guidelines

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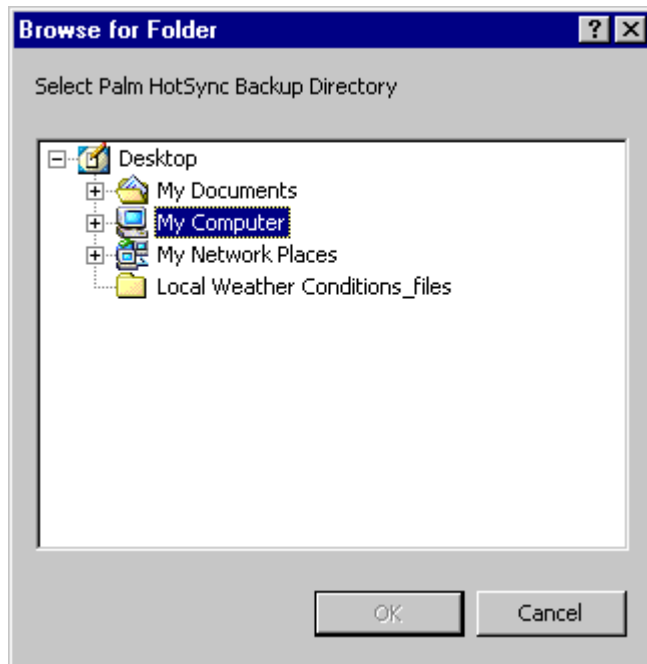
Download Palm

Versions of DriveRight FMS 3.0 and later offer a feature to download data from multiple DriveRight devices from a Palm device. You will need the DriveRight Palm Download Kit, #8181, in order to use this command.

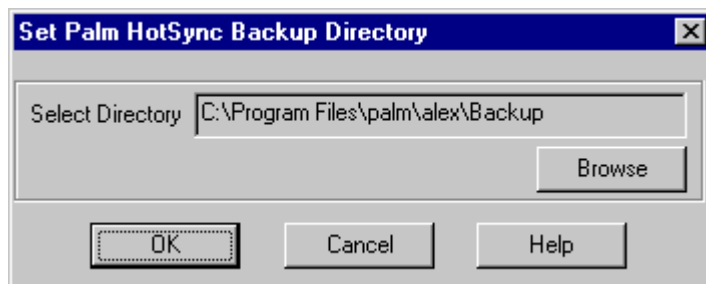
Note: To download a DriveRight console data into the software using Palm Download, the DriveRight should be present in the database. If you try to download a DriveRight which is not present in the database, you will get an error message.

To download your Palm:

1. Select **Download Palm** in the **DriveRight** Menu.
2. The first time you download a Palm, the following dialog box is displayed. Select the directory which contains your Palm backup databases and click **OK**.



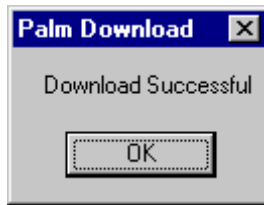
- Each time after the first time, when you use the Download Palm command, the following dialog box appears showing the selected Palm backup directory.



- Click **Browse** to select a different backup directory, click **OK** to use this displayed directory, or click **Cancel** to exit.
- If you click **OK**, the **Download Status** dialog box is displayed.



6. When the data has finished downloading the Palm Download, **Download Successful** dialog box is displayed:



7. Click **OK** to continue.

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Database Menu

Use the Database Menu options to open individual database tables. In the database table you can view and print records. You can also add, edit or delete records.

Caution: Take extra care before deleting Company Location, DriveRight, CarChip, Driver or Vehicle records.

The following Database Menu options are available:

Company Locations

DriveRights

CarChips

Wireless Devices

Driver Groups

Drivers

Fleets

Vehicles

Trips

Accident Logs

Tamper Logs

Trip Addresses

Days

Download Dates

GPS

Odometer Logs

Safety Score

Trouble Codes

Readiness Codes

Maintenance

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Reports Menu

DriveRight can produce a number of useful reports. The reports can be displayed on the screen or printed.

The following reports are available:

Accident Log Report

Driver Safety Score

Driver Safety Score Summary

Exception Reports

Database Reports

Usage Report

Trip Summary Report

Tamper Logs Report

Odometer Report

Relationship Report

Days Since Last Download

Wireless Download Status Report

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Mapping Quick Reference Menu

Mapping Quick Reference Menu

[GPS Mapping](#)

[How to Create Maps](#)

[How to View Maps](#)

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[DriveRight FMS Mapping Requirements](#)

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How to View Maps

How to View Maps

[Viewing Trip Maps](#)

[Viewing Day Maps](#)

[Viewing Accident Log Maps](#)

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Viewing Trip Maps

The following topics will help you view and understand Trip Maps.

[Trip Map Features](#)

[Map Navigation](#)

[Viewing GPS Plot Information](#)

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Viewing Day Maps

The following topics will help you view and understand Day Maps:

Day Map Features

Map Navigation

Viewing GPS Plot Information

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Viewing Accident Log Maps

The following topics will help you view and understand Accident Log Maps:

Accident Log Map Features

Map Navigation

Viewing GPS Plot Information

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Viewing GPS Plot Information

Each push-pin symbol used to plot a trip represents a DriveRight GPS record. You can display the GPS data for one of the plot points by:

1. Click the push-pin.
2. A information box opens for the symbol displaying the GPS coordinates, DriveRight ID, GPS date and time, day of the week, and driver ID.

To modify the GPS data display:

1. Place the cursor inside the plot symbol legend window
2. Select the Properties right-click mouse command
3. Click on the Balloon tab at the top right of Properties dialog box. All the available GPS data parameters are listed in the dialog box.
4. Check a parameter to include it in the displayed plot information
5. Removing a check will remove that parameter from the summary.

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Mapping Menu

Note: DriveRight FMS Mapping requires Microsoft MapPoint.

The following commands are available in the Mapping Menu:

Open Map

Save Map

E-Mail Map

MapPoint Version

Set Speed Range

See also:

[Mapping Quick Reference Menu](#)

[DriveRight FMS Mapping Requirements](#)

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DriveRight FMS Mapping Requirements

The following equipment and software are required to use DriveRight FMS mapping functions:

- DriveRight 600
- DriveRight GPS Module
- Microsoft MapPoint 2002 or MapPoint 2004
- In addition to the DriveRight FMS 3.2 system requirements, Microsoft recommends a minimum of 64 MB of memory to run MapPoint.
- MS MapPoint or MapPoint Control run-time must be installed on the computer running the DriveRight FMS.

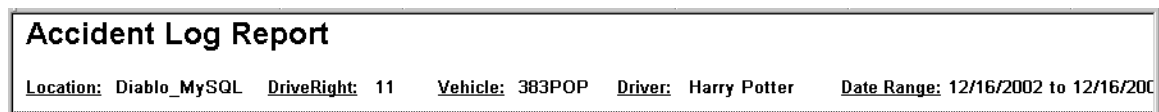
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Accident Log Map Features

An Accident Log Map consists of the following key elements:

Title Bar

The title bar at the top of the map window shows the type of map, the company location, DriveRight ID, driver name, and date of the trip.



Overview Map

The overview map shows the general area of the map and is located on the left side of the window just below the title bar.



Legend

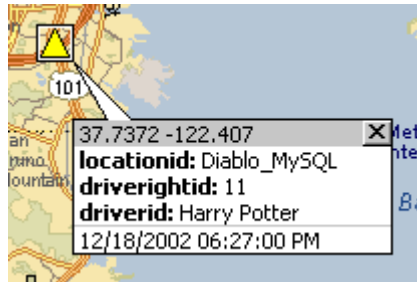
- A legend of map symbols is located just below the Overview Map.
- Each Accident Log pushpin represents an Accident Log record.



Map Window

The Accident Log Report map puts an accident pushpin on the location of each accident in the Accident Log Report.

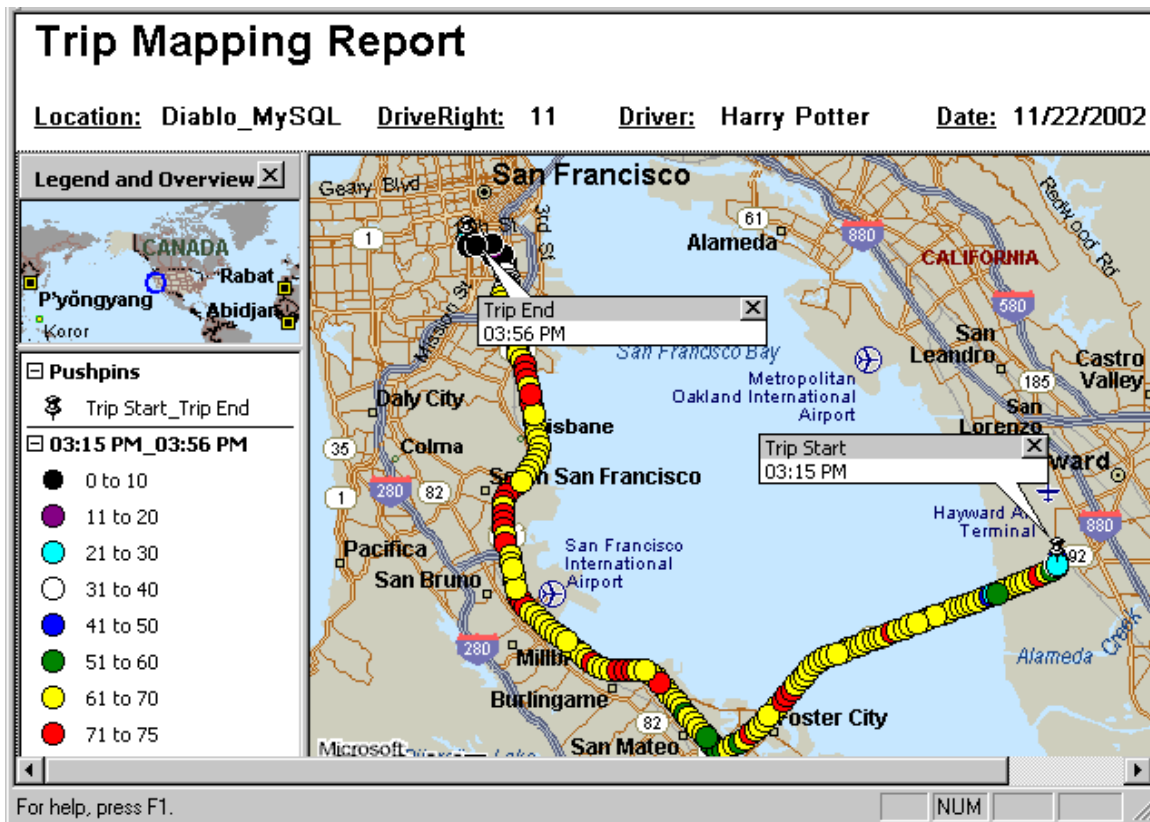
- To see a summary of the accident information, click an *accident log pushpin*.



- To see a Trip Map of the trip in which an accident occurred, double-click the accident pushpin. Refer to Viewing Trip Maps for information on viewing the Accident Trip Map.



Full Map View



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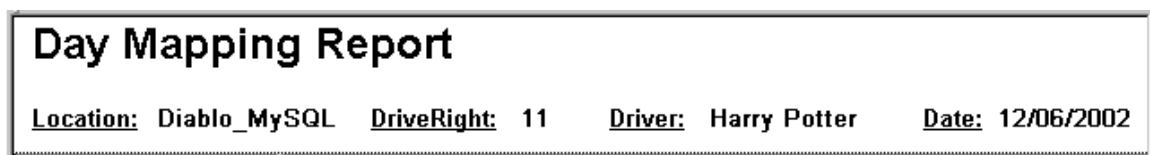
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Day Map Features

A Day Map consists of the following key elements:

Title Bar

The title bar at the top of the map window shows the type of map, the company location, DriveRight ID, driver name, and date of the trip.



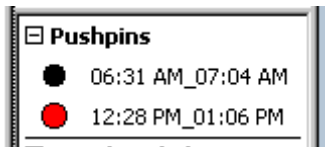
Overview Map

The overview map shows the general area of the map and is located on the left side of the window just below the title bar.



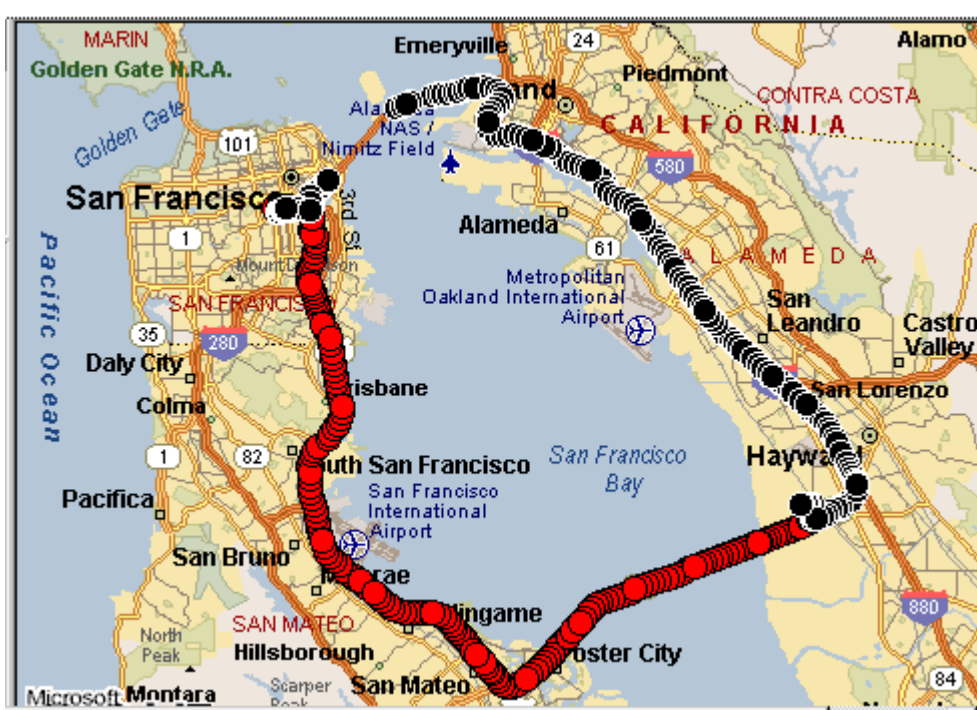
Legend

- A legend of map symbols is located just below the Overview Map.
- Each pushpin in the Day Map indicates a GPS record. A different pushpin color identifies each trip taken on the selected day.
- You can create a single trip map for any trip in a Day Map by double-clicking a pushpin from that trip. See Viewing Trip Maps for more info on viewing a single trip map.
- Double-clicking on a pushpin in the mapped trip will return the map to the normal Day Map showing multiple trips.

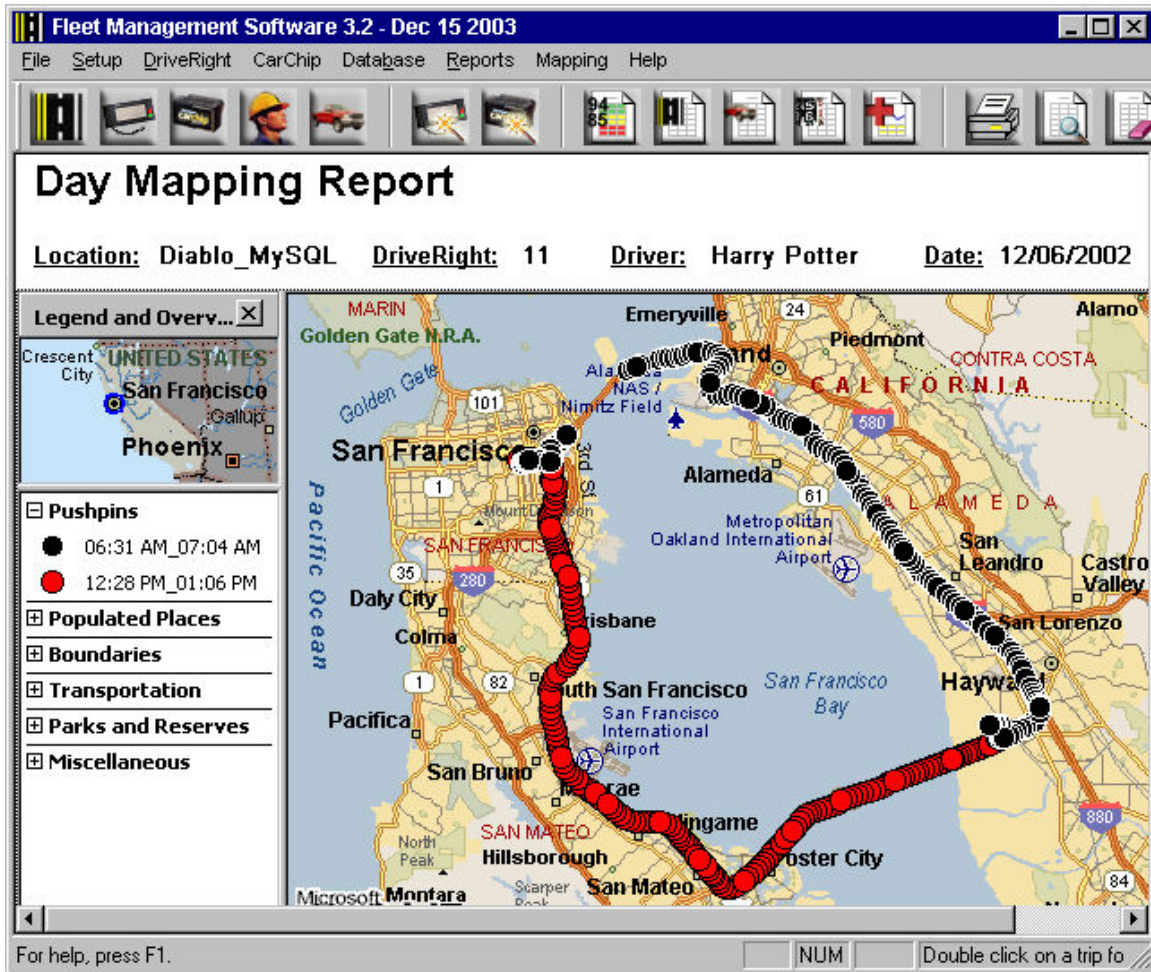


Map Window

The Day Map plots all of the trips taken by a vehicle on the selected day. A different color Day Map pushpin is used for each trip. From inside the map window you can move the area shown in the window, zoom a selected area, zoom in and out, and view GPS data.



[Full Map View](#)



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Trip Map Features

A Trip Map consists of the following key elements:

Title Bar

The title bar at the top of the map window shows the type of map, the company location, DriveRight ID, driver name, and date of the trip.

Trip Mapping Report

Location: Diablo_MySQL **DriveRight:** 11 **Driver:** Harry Potter **Date:** 11/22/2002

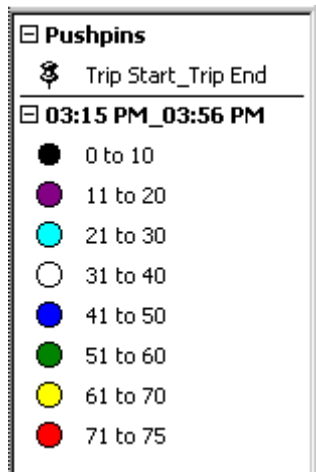
Overview Map

The overview map shows the general area of the map and is located on the left side of the window just below the title bar.



Legend

- A legend of map symbols is located just below the Overview Map.
- A realistic looking pushpin indicates the starting and stopping points in a Trip Map.
- Round pushpins indicate the GPS plot points in a trip.
- When viewing a trip map, the round pushpin colors indicate vehicle speed.
- Use the Set Speed Ranges command in the Mapping Menu to set the number of speed ranges and the speeds included in each range.
- When viewing multiple trips, the colors identify different trips.

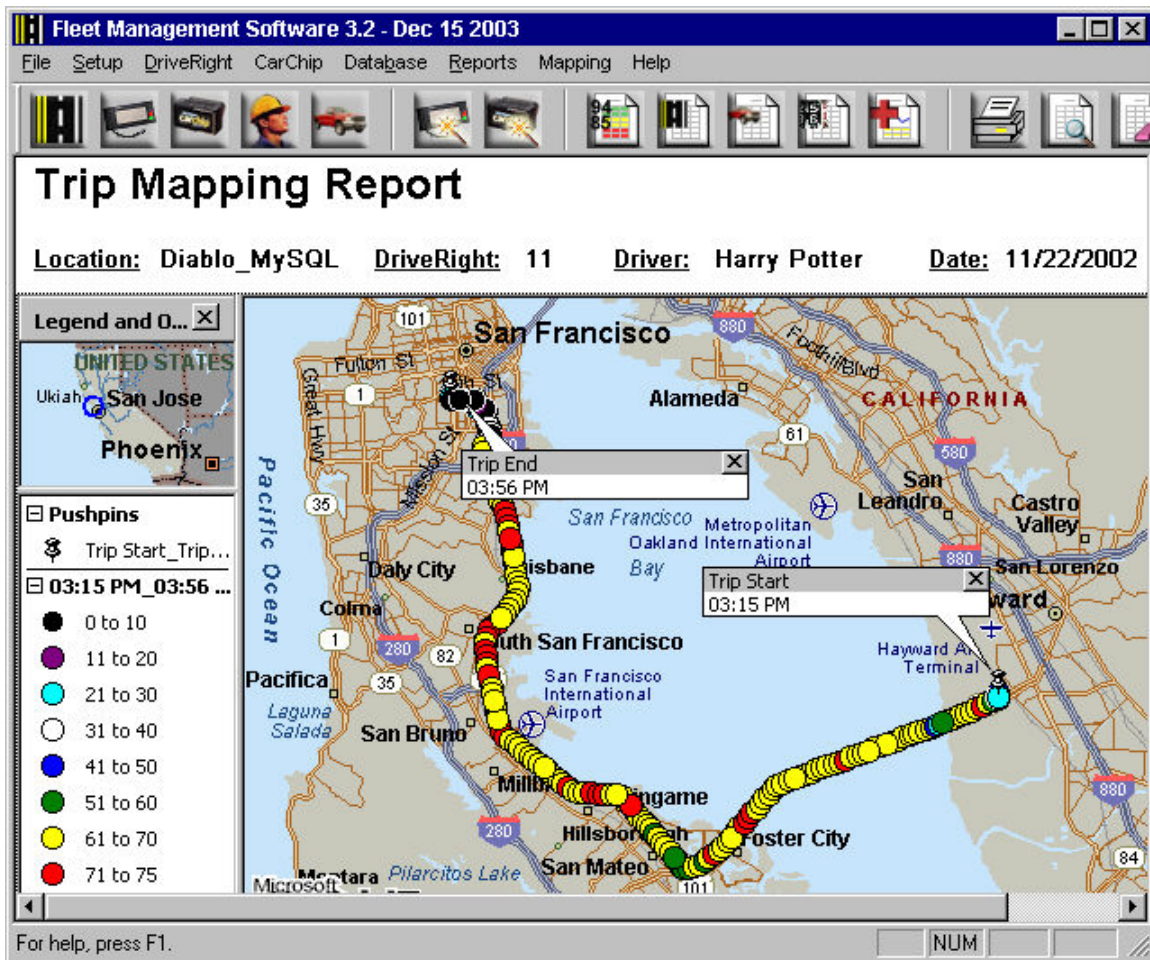


Map Window

The Trip map window plots the GPS record to show where the vehicle went, when the trip started and stopped, and indicating vehicle speed over the course of the trip. From inside the map window you can navigate around the map's location, zoom in and out, and view data for individual GPS records.



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Map Navigation

Use the following techniques to move and adjust the map view:

[Navigating the Map Window](#)

[Navigating the Overview Map](#)

[Zooming a Selected Map Area](#)

[Zooming In and Out](#)

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Navigating the Map Window

To move the mapped area from inside the map window:



1. Move the mouse pointer to the edge of the map window in the direction you want to move.
2. The mouse pointer changes to a large arrow.
3. Click and hold the mouse button to scroll the map in the direction of the arrow.
4. Move the mouse pointer closer to the center of the map to slow the movement of the map or farther from the center to speed it up.
5. To stop moving the map, release the mouse button.

Note: You can drag the pointer around the map pane to change the direction in which the map moves as long as the pointer looks like the large arrow. You can pan 360 degrees east or west but not north or south.

See also:

[Zooming a Selected Map Area](#)

[Zooming In and Out](#)

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Navigating the Overview Map

To move the mapped area from inside the overview map:



Note: The area of the main map view is outlined in blue on the overview map.

1. To move the main map, place the cursor over the blue circle in the overview map.
2. When the cursor changes into four arrows pointing in four directions, press the left mouse key and drag the blue circle to the desired area. The area of the main map moves with the blue circle.

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Zooming In and Out

To zoom in or out:

1. Place the cursor over the map window, making sure it isn't directly over any of the map symbols.
2. Click the right mouse button to open the right-click menu.
3. Place the cursor over the Zoom command, then click on the desired zoom option: In, Out, or To Selection.

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Zooming a Selected Map Area

To zoom in to a selected area of a map:

1. In the map window, position your mouse pointer at the upper-left corner of the area you want to enlarge.
2. Drag the pointer diagonally until you've drawn a box around the area you want to enlarge.
3. To quit drawing, release the mouse button.
4. If the box you've drawn isn't quite where you want it, click outside the box to make it disappear, and then redraw it.
5. Click inside the box to enlarge the selected area.

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How to Create Maps

How to Create Maps

DriveRight FMS can create three different maps from your GPS data. You can also export GPS data for use in third-party mapping software such as MS MapPoint.

[Creating a Trip Map](#)

[Creating a Day Map](#)

[Creating an Accident Log Map](#)

[Export: GPS to Mapping Software](#)

[Export: Accidents to Mapping Software](#)

[Import GPS Data Into MapPoint](#)

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Creating a Trip Map

Click the Map button the Trips browse window to create a map from a trip record.

To create a Trip Map:

1. Select the Trips command in the Database menu. The Filter For Trips dialog box is displayed.
2. Select your desired Trips filter options.
3. Click **OK** to show the Trips browse window.

4. Highlight a trip record then click **Map** to generate a Trip Mapping Report for that trip. The map is displayed in the DriveRight FMS program window.

See also:

[Viewing Trip Maps](#)

[Map Navigation](#)

[Viewing GPS Plot Information](#)

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Creating a Day Map

Click the Map button the Days browse window to create a map for all trips taken on the same day.

To create a Day Map:

1. Click **Days** in the Database menu. The Filter for Days is displayed.
 2. Select your desired filter options.
 3. Click **OK** to show the Days browse window.
2. Click **Map** to generate the Day Mapping Report. The report is displayed in the DriveRight FMS program window.

See also:

[Viewing Day Maps](#)

[Map Navigation](#)

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Creating an Accident Log Map

You can create an Accident Log Report Map by selecting the Output to: Map or Output to: Both Map and Excel options when you create the Accident Log Report.

To create a Accident Log Map:

1. Select the **Accident Log** command in the Reports menu. The Filter for Accident Logs is displayed.
2. Select the desired Accident Log filter options, being sure to select **Map** or **Both Map and Excel** for the report output.
3. Click **OK** to create the Accident Log Mapping Report.

See also:

Viewing Accident Log Maps

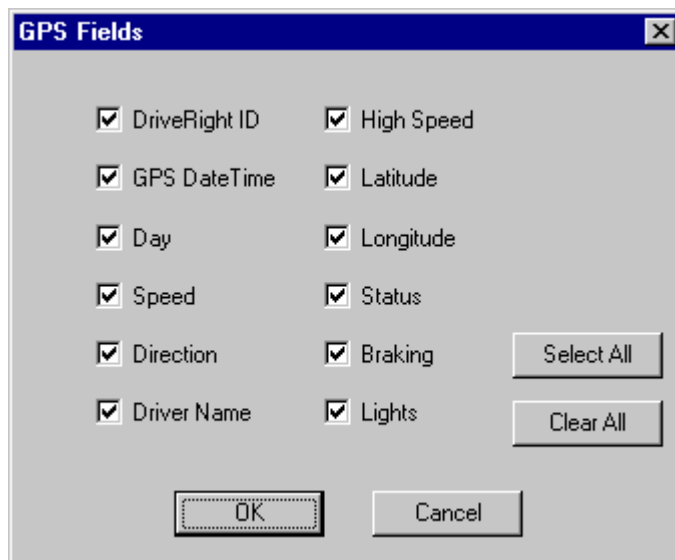
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Export: GPS to Mapping Software

To export GPS data:

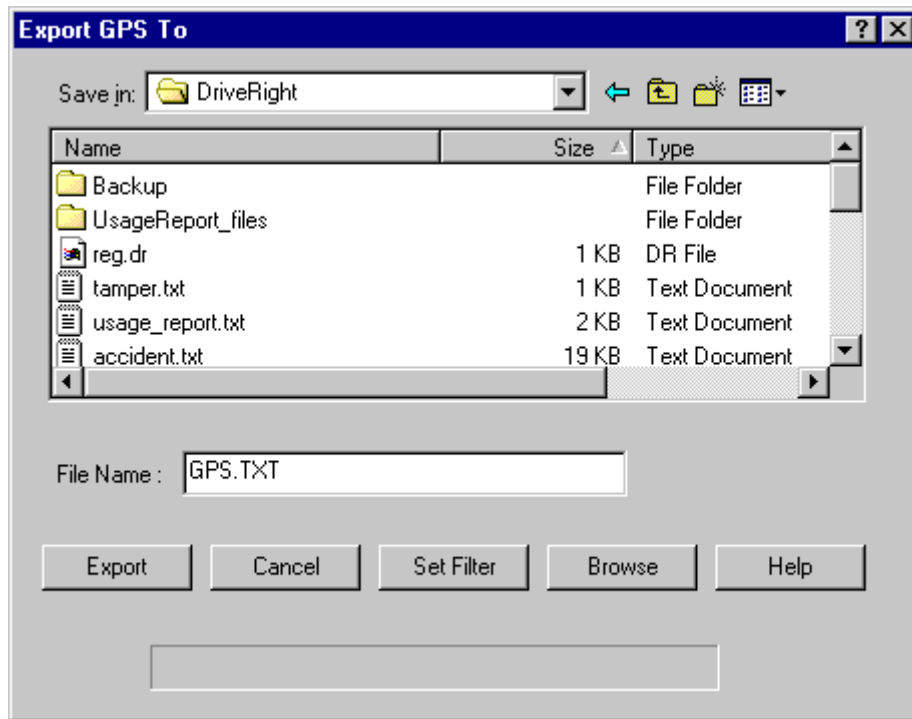
1. Select **Export** in the **File** Menu.
2. Select **GPS to Mapping Software** in the drop-down **Export** menu. The **GPS Fields** dialog box is displayed.



3. Click **Select All** to check all fields. Click **Clear All** to clear all fields. Click in the box for each field to toggle the check on and off.

Note: Only the checked GPS fields will be exported. These key fields should always be selected: GPS DateTime, Speed, High Speed, Latitude and Longitude.

4. Click **OK** in the **GPS Fields** box to continue, click **Cancel** to exit. If you click **OK**, the **Export GPS To** dialog box is displayed.



3. The default file name is GPS.TXT and the default directory is the DriveRight FMS install directory. You can edit or change the file name directly in the text box. You can also change the directory in which the exported GPS data file will be saved.
4. Click **Set Filter** to narrow the selection of GPS data to be exported.
5. Click **Browse** to view the GPS data before you export it.
6. Click **OK** when you are ready to export the GPS data or click **Cancel** to exit without exporting data. If you click **OK**, the exported GPS data will be saved in a file ready to be imported into your mapping software.

See also:

[Import GPS Data Into MapPoint](#)

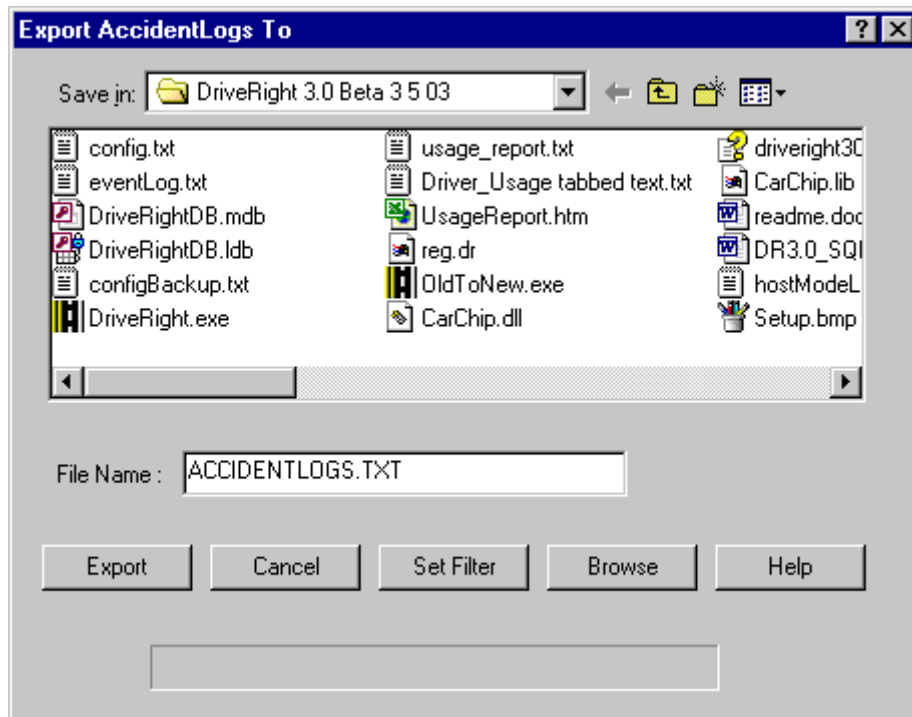
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Export: Accidents to Mapping Software

To export accident log data:

1. Select **Accident to Mapping Software** from the **Export** command in the **File** Menu. The **Export Accidentlogs To** dialog box is displayed.



2. Select the file directory in which to save the accident log files.
3. Verify the file name for the accident log file. You can edit the name in the dialog box if desired.
4. Click **Export** to create the accident log data file or click Cancel to exit. If you click **OK**, the exported Accident Log data will be saved in a file ready to be imported into your mapping software.

To import data into MapPoint:

1. Start the MapPoint application.
2. Select **Import Data Wizard** from the **Data** menu.
3. Using the **File** dialog box find select the ACCIDENTLOGS.TXT file and click on Open.
4. "Tab" should be selected to separate the data. Click **Next**.
5. All the fields you exported will appear in the next dialog. Column headings are included and should be detected by the program. All the columns should have <Other Data> as their data type except Lat and Long. Check to make sure the Lat and Long were detected correctly. If they are not, correct them. Click **Finish**.
6. Select **Multiple Symbol** and click **Next**. These instructions show you how to color code accident log points by speed at T0. T0 is the middle point of the accident log.
7. In "Select the data field or column to map" list, select time_TO. In "Divide the data you chose above by" list, select <None>. In "Show the data by" list, select Latitude & Longitude. Click **Next**.
8. Enter the speed divisions you want to use and the color for each division.
9. Click **Finish** to plot the points.

10. In the left frame, right click on "time_T0 by Latitude & Longitude". Select "Properties". Open the Balloon tab and select time_T0, accidentDateTime and any other fields you want to view.
11. Zoom in enough to see individual points, right click on a point, and pick "Show Information", to look at data for that particular point.
12. MapPoint allows you to navigate around on the map pretty well. Some useful keystrokes are '+' to zoom in and '-' to zoom out. Also, you can draw a box around an area and then click in it to zoom into it. You can scroll the map using your mouse by just positioning the mouse cursor on the side of the map you want to scroll into.

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Import GPS Data Into MapPoint

Exported GPS Data can be easily importing into MS MapPoint using the MapPoint Import Data Wizard.

To import GPS data into MapPoint:

1. Start the MapPoint application.
2. Select **Import Data Wizard** from the **Data** menu.
3. Using the **File** dialog box find select the GPS.TXT file and click **Open**.
4. "Tab" should be selected to separate the data. Click **Next**.
5. All exported fields appear in the next dialog box. Column headings are included and should be detected by the program. All the columns should have <Other Data> as their data type except Latitude and Longitude. Check to make sure the Latitude and Longitude were detected correctly. If they are not, correct them. Click **Finish**.
6. Select **Multiple Symbol** and click **Next**. These instructions show you how to color code accident log points by speed at T0. T0 is the middle point of the accident log.
7. In "Select the data filed or column to map" list, select **highSpeed**. In "Divide the data you chose above by" list, select <None>. In "Show the data by" list, select **Latitude & Longitude**. Click **Next**.
8. Enter the speed divisions you want to use and the color for each division.
9. Click **Finish** to plot the points.
10. In the left frame, right click **highSpeed by Latitude & Longitude**. Select **Properties**. Open the Balloon tab and select gpsDateTime, highSpeed and any other fields you want to view.
11. Zoom in enough to see individual points, right click on a point, and select **Show Information**, to look at data for that particular point.
12. MapPoint allows you to navigate around on the map pretty well. Some useful keystrokes are '+' to zoom in and '-' to zoom out. Also, you can draw a box around an area and then click in it to zoom into it. You can scroll the map using your mouse by just positioning the mouse cursor on the side of the map you want to scroll into.

See also:

Export: GPS to Mapping Software

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Wireless Quick Reference Menu

Wireless Quick Reference Menu

The Wireless Menu lets you configure the wireless devices in your Wireless Download System, perform wireless scans and downloads, and upgrade wireless device firmware. The following quick reference menu helps you get started using the Wireless Download System.

[How to Add a Base Station](#)

[How to Add a Wireless On-Board Module](#)

[How to Select an Operating Region](#)

[How to Scan for Wireless On-Board Modules](#)

[How to Set Up an Automatic Wireless Download](#)

[How to Start a Manual Wireless Download](#)

[How to Upgrade Firmware](#)

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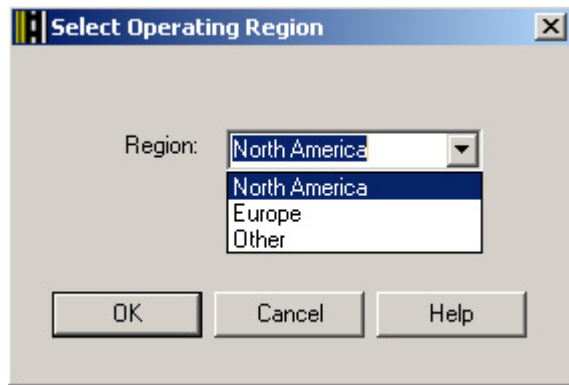
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How to Add a Base Station

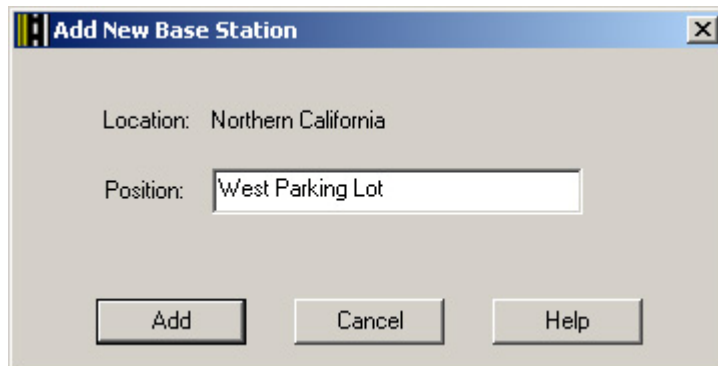
The **Add New Base Station** dialog box configures the Base Station to wirelessly communicate with Wireless On-Board Modules and allows you to assign a position to it that makes it easily identifiable throughout FMS.

To add a new Base Station:

1. Connect your Base Station to the computer's USB port.
2. Select **Add New Base Station** from the **Wireless** Menu. If this is the first time a Base Station or Wireless On-Board Module has been added to FMS, the **Select Operating Region** dialog box displays.



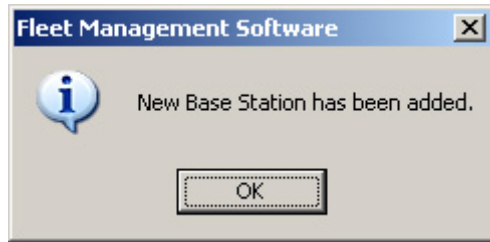
3. Select among the three choices displayed: **North America**, **Europe**, or **Other**. The operating region determines the power level of the wireless devices. Select **Europe** if the power levels of the wireless devices must not exceed CE certification requirements of less than 10 dBm. Select **North America** if the power levels of the wireless devices must not exceed FCC or IC certification requirements of less than 30 dBm. Select **Other** if the operating region is not North America or Europe.
4. Click **OK** to save the operating region information or click **Cancel** to exit without saving. The **Add New Base Station** dialog box displays.



The dialog box displays the location and the **Position** text field. If the Base Station belongs to a different location, select the correct location from the Current Location dialog box before adding the Base Station.

5. Enter a position description in the **Position** text box. The maximum number of characters for the **Position** text box is 32.
6. Click **Add** to add the new Base Station or **Cancel** to exit the dialog box without saving the new Base Station.

If you clicked **Add**, a dialog box is displayed to confirm that the Base Station has been added to FMS.



7. Click **OK** to exit the dialog box.

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How to Add a Wireless On-Board Module

To add a new Wireless On-Board Module:

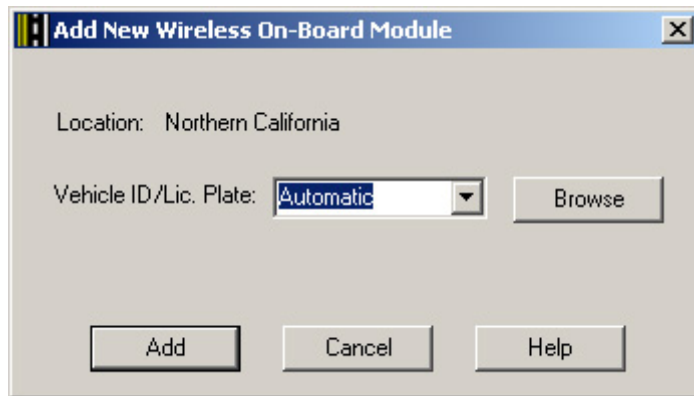
1. Use the Configuration Cable to connect the Wireless On-Board Module to your computer.
2. Select **Add New Wireless On-Board Module** from the **Wireless** Menu.

If this is the first time a Base Station or Wireless On-Board Module has been added to FMS, the **Select Operating Region** dialog box displays.



3. Select among the three choices displayed: **North America**, **Europe**, or **Other**. The operating region determines the power level of the wireless devices. Select **Europe** if the power levels of the wireless devices must not exceed CE certification requirements of less than 10 dBm. Select **North America** if the power levels of the wireless devices must not exceed FCC or IC certification requirements of less than 30 dBm. Select **Other** if the operating region is not North America or Europe.

Once an operating region has been selected, the **Add New Wireless On-Board Module** dialog box displays.



The dialog box displays the location the Wireless On-Board Module belongs to and the **Vehicle ID/Lic. Plate** drop-down list box.

4. Select a Vehicle ID or license plate number from the **Vehicle ID/Lic Plate** drop-down list box, or select **Automatic**. Selecting a Vehicle ID or License plate from the drop down list assigns the Wireless On-Board Module to that vehicle. Click **Browse** to display the Vehicles database table. Review the full list of available vehicles to better determine the vehicle that gets assigned to the Wireless On-Board Module. Select **Automatic** if you do not want to select a vehicle at this time. The next time either Scan Wireless On-Board Modules or Start Manual Wireless Download is selected, or an Automatic Wireless Download has occurred, the correct Vehicle ID will be assigned to the Wireless On-Board Module based on the vehicle information stored on the DriveRight device.
5. Click **Add** to add the new Wireless On-Board Module or **Cancel** to exit the dialog box without saving the new Wireless On-Board Module.

If you clicked **Add**, the **New Wireless On-Board Module** dialog box displays, confirming that the Wireless On-Board Module has been added to FMS and is configured for use with your wireless fleet.



6. Click **OK** to exit the dialog box.

Once the Wireless On-Board Module has been added to the FMS database, it can be installed in its assigned vehicle or any vehicle in your fleet if you selected **Automatic** in the **Vehicle ID/Lic Plate** drop-down list box. See the **DriveRight GPS/Wireless System Installation Manual** for more information on its installation and proper usage.

Note: The Wireless On-Board Module should only be installed to its assigned vehicle unless **Automatic** is selected when adding the module.

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How to Scan for Wireless On-Board Modules

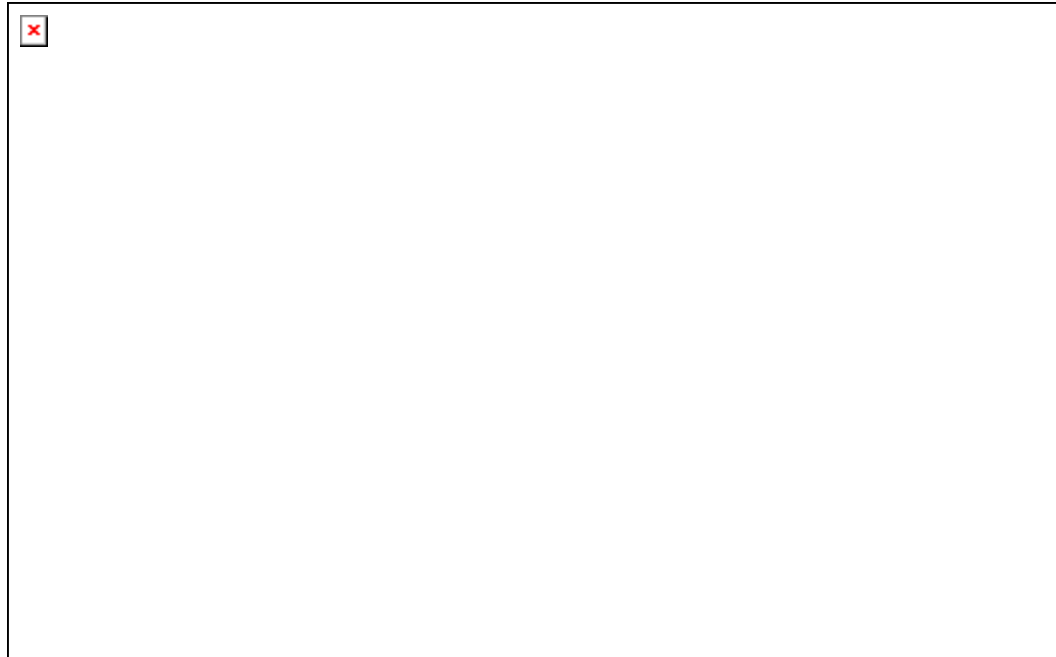
The **Scan Wireless On-Board Modules** dialog box uses the Base Station(s) to scan all of the Wireless On-Board Modules in the current location and displays the wireless communication status of each Wireless On-Board Module.

Note: At the top of each hour, the Wireless On-Board Module is turned off by the DriveRight Device for two minutes. This is done to allow the DriveRight to turn on the GPS module to refresh the satellite position periodically. This occurs even without a GPS module being physically connected to your DriveRight device. FMS will not be able to communicate with the Wireless On-Board Module(s) during this time.





1. Select **Scan Wireless On-Board Modules** from the **Wireless** Menu. The **Scan Wireless On-Board Modules** displays a list of all the Wireless On-Board Modules in your database associated with the currently selected location.



2. Click **Start** to scan all of the Wireless On-Board Modules. As the Base Station scans for the Wireless On-Board Modules, the status of each of the modules displays under the Status column.



The color box provides a visual representation of the status for each of the Wireless On-Board Modules in the database. The color is updated throughout the scan process. The **Status** column on the right hand side of the dialog box also documents the status for each module. The possible statuses are:

-  **Not Yet** - The Base Station has not yet scanned for the Wireless On-Board Module.
-  **Searching for Vehicle** - The Base Station is currently searching for the Wireless On-Board module.
-  **Successful** - The Base Station has successfully found and communicated with Wireless On-Board Module.
-  **Failed** - The Base Station has not successfully communicated with or found errors in communicating with the Wireless On-Board Module. The scan will continue to search for the "Failed" Wireless On-Board Modules until the maximum of 10 retries has been reached. The following is a status list that corresponds to the red color box:
 - **Vehicle ID Mismatch** - The Wireless On-Board Module is not installed in the assigned vehicle. To correct this problem, select the Wireless On-Board Module's record in the Wireless Devices database table and click **Edit**. The **Edit Wireless On-Board Module** dialog box displays information about the On-Board Module. Change the Vehicle ID field of the Wireless On-Board Module to **Automatic** to allow FMS to find the Vehicle's ID automatically. You can also install the Wireless On-Board Module into the assigned vehicle.
 - **DriveRight Not Assigned** - The DriveRight has not been assigned to a vehicle or the DriveRight has not been added to the FMS database. Add the DriveRight and assign it to the corresponding vehicle. This status also occurs when there is an error communicating with the DriveRight device. See Wireless Device Communication Problems for more information.

- **Vehicle Not Found** - The Vehicle and Wireless On-Board Module are not within range of the Base Station.

3. Click **Stop** to abort the scan before it is completed or click **Close** to close the dialog box once the scan has completed. Please note that if you stop scanning before it completes the scan, the last vehicle it scans automatically contains a failed status.

Note: Since it is not required to select a vehicle when adding a new Wireless On-Board Module, Unknown is displayed under the Vehicle ID column to indicate that a vehicle has not been assigned to a Wireless On-Board Module. If the Wireless On-Board Module is connected to a vehicle that is not currently in the database, you need to add both the vehicle and DriveRight to the database in order for FMS to download successfully.

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How to Set Up an Automatic Wireless Download

The **Setup Automatic Wireless Download** dialog box lets you select when to automatically download some or all vehicles that are wirelessly connected to FMS.

Note: FMS has to be running for the Automatic Wireless Download to occur.

1. Select **Setup Automatic Wireless Download** from the **Wireless** Menu. The **Setup Automatic Wireless Download** dialog box lets you select the vehicles you want to automatically download daily.

By default, a vehicle associated with a newly added Wireless On-Board Module is automatically placed in the **Vehicles in Download Queue** list. This also applies to "Unknown" vehicles.

Location: Davis

Available Vehicles:

| VehicleID | License Plate | Driver |
|-----------|---------------|---------|
| Unknown | | |
| 9 | 4NRE294 | Tylia |
| 17 | NA | Charles |

Vehicles in Download Queue:

| VehicleID | License Plate | Driver |
|-----------|---------------|---------|
| 7 | 5LWP234 | Brad |
| 1 | 4ULX908 | Charles |
| 2 | 5UEY124 | Bruce |
| 4 | 5REW234 | Lisa |
| 6 | 5ERT849 | Kevin |
| 13 | 6A23960 | Jim A |
| 15 | 4NPL928 | Susan |

Start Time: 6:00:00 AM

Duration: 4 Hours

☒ Include Weekend

OK Cancel Help

The **Available Vehicles** list shows all available vehicles for the current location. The **Vehicles in the Download Queue** list shows the vehicles selected for automatic wireless download.

- Click **>>**, **All>>**, **<<**, or **All<<** to move the vehicles between these two lists.
- Enter the time FMS will begin the automatic download process in the **Start Time** box or click the **Up** or **Down** arrow buttons to change the start time. The default time is 6:00 PM.
- Enter the amount of time you would like FMS to search for the selected vehicles in the **Duration** box or click the **Up** or **Down** arrow buttons to increment or decrement the hours. The duration allows you to prolong the time for retries when the Wireless On-Board Modules are not immediately available for download, because they are either out of range or currently powered off.
- Check the **Include Weekend** box to automatically download all seven days of the week. "Weekend" is defined in the Usage Report Formula dialog box. If the start time selected in this dialog box falls within the "weekend" time frame selected in the **Usage Report Formula** dialog box, download will not take place during the day or days included in the "weekend" definition unless the **Include Weekend** box is checked.
- Click **OK** to save the automatic wireless download settings and prepare FMS to automatically download the Wireless On-Board Modules or click **Cancel** to exit without saving.

Note: Since it is not required to select a vehicle when adding a new Wireless On-Board Module, Unknown is displayed under the Vehicle ID column to indicate that a vehicle has not been assigned to the Wireless On-Board Module. If the Wireless On-Board Module is connected to a vehicle that is not currently in the database, you need to add both the vehicle and DriveRight to the database in order for FMS to download successfully.

Note: Only one wireless download process is allowed at a time. If an automatic download is scheduled during a manual download, the automatic download will be delayed until the manual download is completed. If the duration period for the Automatic Download has expired before the manual download has finished, Automatic Download will not take place for that day.

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How to Start a Manual Wireless Download

Different from the Automatic Wireless Download, The **Start Manual Wireless Download** dialog box lets you select some or all vehicles in your fleet to wirelessly download immediately once you press **Start Download**.

1. Select **Start Manual Wireless Download** from the **Wireless** Menu or click the *Manual Wireless Download Icon* from the toolbar. The **Start Manual Wireless Download** dialog box lets you select the vehicles you want to download at this time.

Location: Davis

Available Vehicles:

| VehicleID | License Plate | Driver |
|-----------|---------------|---------|
| Unknown | | |
| 6 | 5ERT849 | Kevin |
| 9 | 4NRE294 | Tylia |
| 17 | NA | Charles |
| 4 | 5REW234 | Lisa |

Vehicles in Download Queue:

| VehicleID | License Plate | Driver |
|-----------|---------------|---------|
| 1 | 4ULX908 | Charles |
| 2 | 5UEY124 | Bruce |
| 7 | 5LWP234 | Brad |
| 13 | 6A23960 | Jim A |
| 15 | 4NPL928 | Susan |

Duration: 4 Hours

Start Download Cancel Help

The **Available Vehicles** list shows all available vehicles for the displayed location. The **Vehicles in the Download Queue** list shows the vehicles selected for manual wireless download.

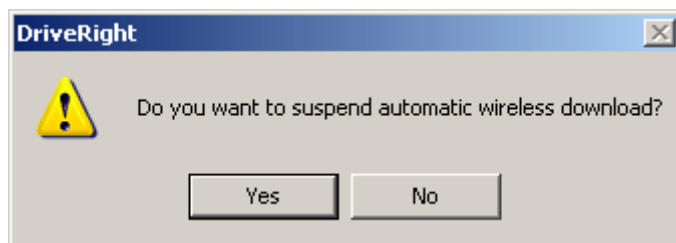
2. Click **>>**, **All>>**, **<<**, or **All<<** to move the vehicles between these two lists.
3. Enter the amount of time you would like FMS to search for the selected vehicles in the **Duration** box or click the **Up** or **Down** arrow buttons to increment or decrement the hours. The duration allows you to prolong the time for retries when the Wireless On-Board Modules are not immediately available for download, because they are either out of range or currently powered off.

4. Click **Start Download** to start the download or click **Cancel** to cancel the manual download.

The Wireless Download Status dialog box displays when you click **Start Download**.

Note: Since it is not required to select a vehicle when adding a new Wireless On-Board Module, Unknown is displayed under the Vehicle ID column to indicate that a vehicle has not been assigned to the Wireless On-Board Module. If the Wireless On-Board Module is connected to a vehicle that is not currently in the database, you need to add both the vehicle and DriveRight to the database for FMS to download through the Wireless On-Board Module successfully.

Note: Only one wireless download process is allowed at a time. If you select **Start Manual Wireless Download** from the **Wireless** Menu while an automatic wireless download is in progress or the Wireless Download Status dialog box is currently displaying, the *Do You Want to Suspend Automatic Wireless Download* dialog box displays. If you click **Yes**, the Automatic Download will be suspended until the manual download is completed. If the duration period for the Automatic Download expires before the manual download has finished, the Automatic Download will not take place for that day.



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How to Select an Operating Region

The **Select Operating Region** dialog box lets you select an operating region to the wireless device(s). Selecting a region adjusts the operating legal power of the wireless device(s).

1. Select **Select Operating Region** from the **Wireless** Menu. The **Select Operating Region** dialog box displays.

The **Select Operating Region** dialog box displays automatically the first time you select Add New Base Station, Add New Wireless On-Board Module, or Upgrade Firmware from the **Wireless** Menu. The same operating region selection applies to all wireless devices added to the database.



2. Select among the three choices displayed: **North America**, **Europe**, or **Other**. The operating region determines the power level of the wireless devices. Select **Europe** if the power levels of the wireless devices must not exceed CE certification requirements of less than 10 dBm. Select **North America** if the power levels of the wireless devices must not exceed FCC or IC certification requirements of less than 30 dBm. Select **Other** if the operating region is not North America or Europe.
3. Click **OK** to save the operating region information or click **Cancel** to exit without saving.

Note: Changing the operating region at any time only affects the settings of the subsequently added wireless devices, not the ones that have been previously added to the system. To re-configure the setting for previously added devices, remove the wireless device(s) from the Wireless Devices database table in the **Database** menu, reconnect the device(s), change the operating region for the device(s), then add the wireless device(s) back into the database.

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How to Upgrade Firmware

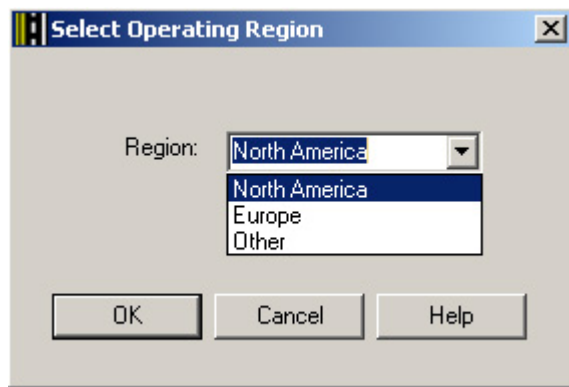
The **Upgrade Firmware** dialog box lets you update the firmware for both the wireless Base Station and Wireless On-Board Modules.

Note: To upgrade the firmware, connect the wireless device(s) to the USB port(s) of the computer. Both the Wireless On-Board Module and the Base Station share the same firmware.

To upgrade the firmware:

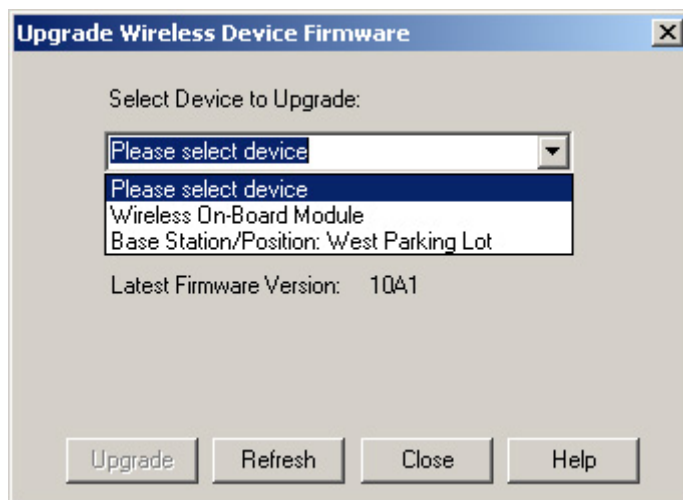
1. Select **Upgrade Firmware** from the **Wireless** Menu.

If this is the first time any wireless device has been connected to FMS, the **Select Operating Region** dialog box displays.

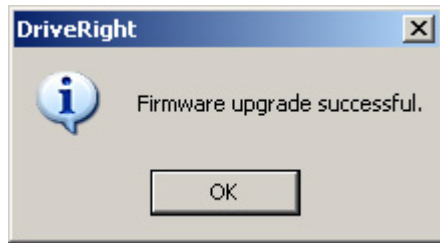


2. Select among the three choices displayed: **North America**, **Europe**, or **Other**. The operating region determines the power level of the wireless devices. Select **Europe** if the power levels of the wireless devices must not exceed CE certification requirements of less than 10 dBm. Select **North America** if the power levels of the wireless devices must not exceed FCC or IC certification requirements of less than 30 dBm. Select **Other** if the operating region is not North America or Europe.

Once an operating region has been selected, the **Upgrade Firmware** dialog box displays.



3. Select a wireless device that you would like to upgrade from the **Select Device to Upgrade** drop-down list. The device is listed either as Base Station or Wireless On-Board Module. If you have multiple Base Stations connected, select the Base Station by its position.
4. Click **Upgrade** if the **Current Firmware Version** is not the same as the **Latest Firmware Version** to upgrade the device firmware. A dialog box is displayed to confirm that the firmware has been upgraded successfully:



5. Click **OK** to exit the dialog box.
6. Click **Refresh** if you have connected another device to your computer. The **Select Device to Upgrade** drop-down list refreshes to include the newly connected device(s).
7. Click **Close** once you are finished upgrading all the wireless devices.

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Menu Commands

Menu Commands Menu

The following commands are available in the Main Menu:

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[Setup Menu](#)

[DriveRight Menu](#)

[CarChip Menu](#)

[SmartCard Menu](#)

[Wireless Menu](#)

[Database Menu](#)

[Reports Menu](#)

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File Menu

File Menu

The following commands are available in the File Menu:

Backup

Restore

Import

Export

Print

Print Preview

Print Setup

Clear Screen

Exit

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Backup

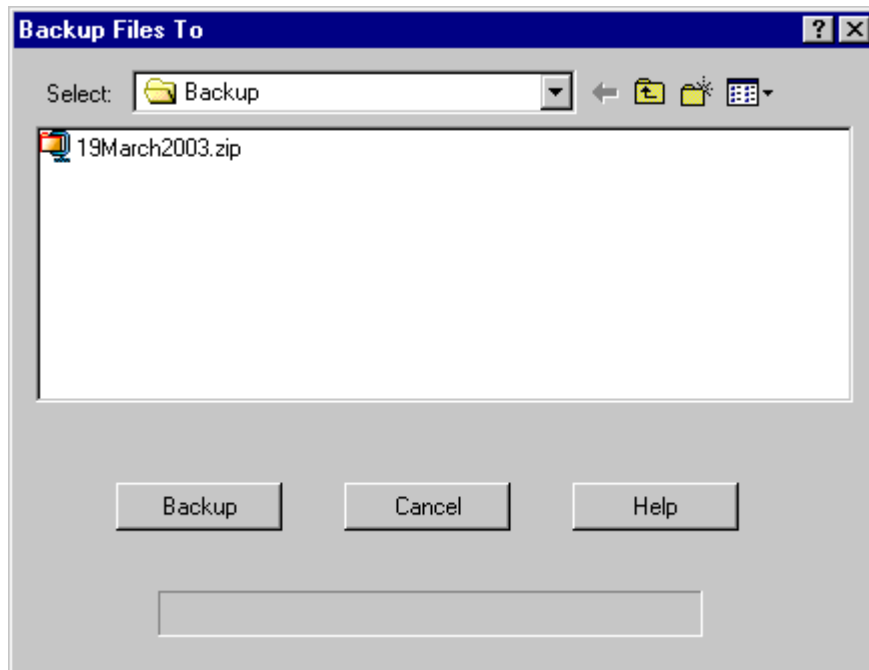
The **Backup** command is used to archive old data as a zip file. The backup files are stored in the Backup sub-directory in the DriveRight FMS install directory. The Backup sub-directory is created the first time you back up your data.

The backup zip files are named based on the start and end dates chosen for the backup. For example, if you pick the dates between March 6, 2003 and March 27, 2003, the backup file will be named *6March2003_27March2003.zip*.

You can configure how much data to keep active after a backup by setting up your Preferences: Backup Options in the **Setup** menu. Limiting the amount of data in the active database helps prevent the database from growing into an unmanageable size.

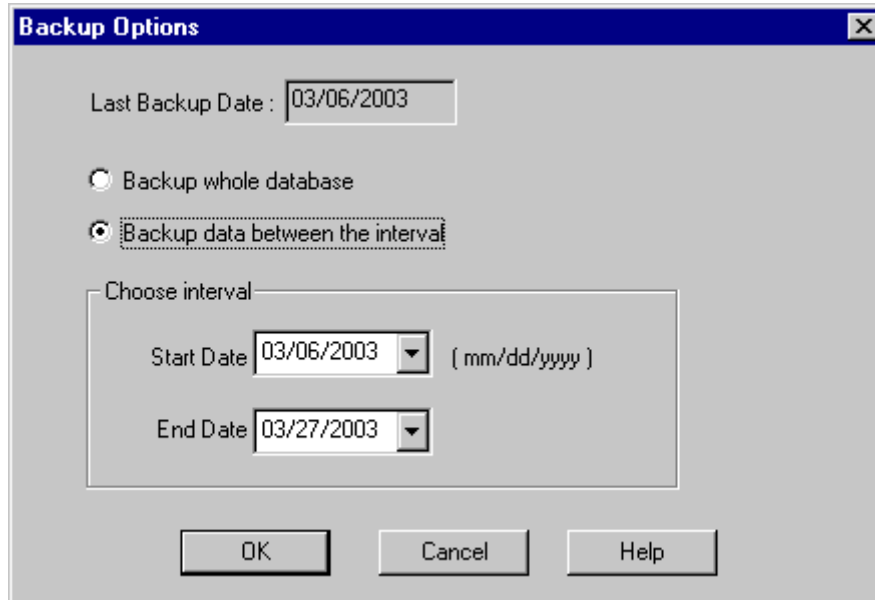
To backup data:

1. Click **Backup** in the **File** menu. The **Backup Files To** dialog box is displayed.



2. From the **Backup Files To** dialog box select the folder where the backup file will be written. The Backup Options dialog box is displayed.

Note: The Backup Options dialog box will not be displayed the first time you back up DriveRight data.



3. In the **Backup Options** dialog box check your last backup date and specify whether to backup the whole database or only those records falling within a specified time period. The start date will always be initialized to the last backup date.
4. Click **OK** to initiate the backup or click **Cancel** to exit the dialog box without backing up your database.
5. When the backup is finished, click **OK** to return to the program.

See Also:

Restore

Preferences: Backup Options

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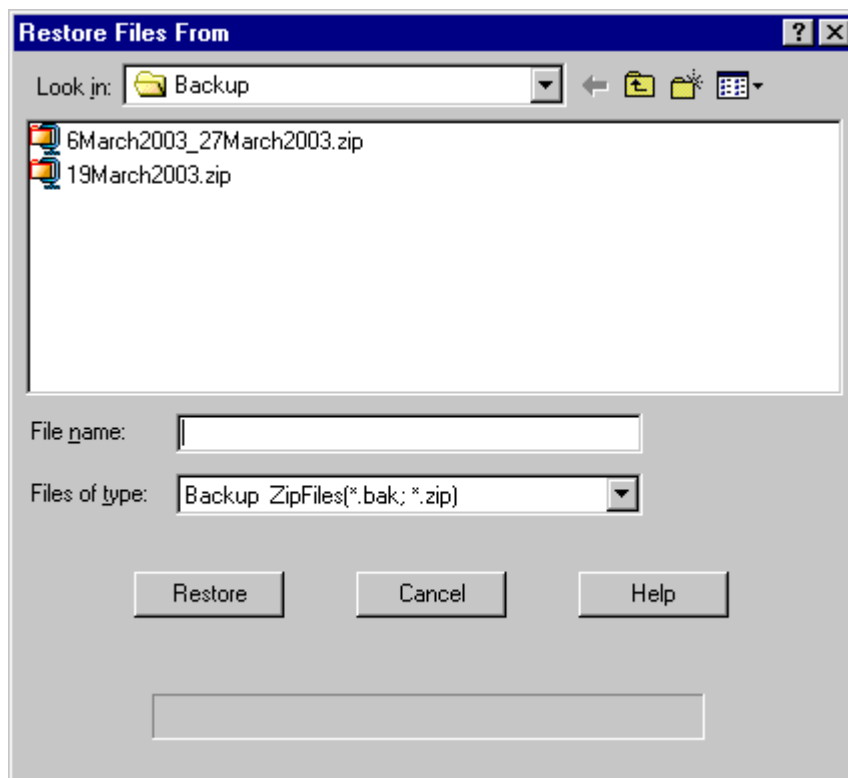
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Restore

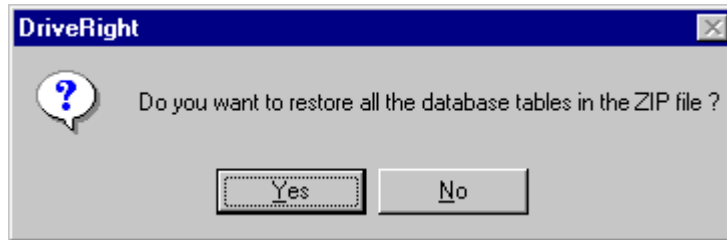
The Restore command is used to get a previously Backed up data back into the active database. In this process you can pick one or more tables to be restored.

To restore data:

1. Click **Restore** in the **File** menu. The **Restore Files From** dialog box is displayed.



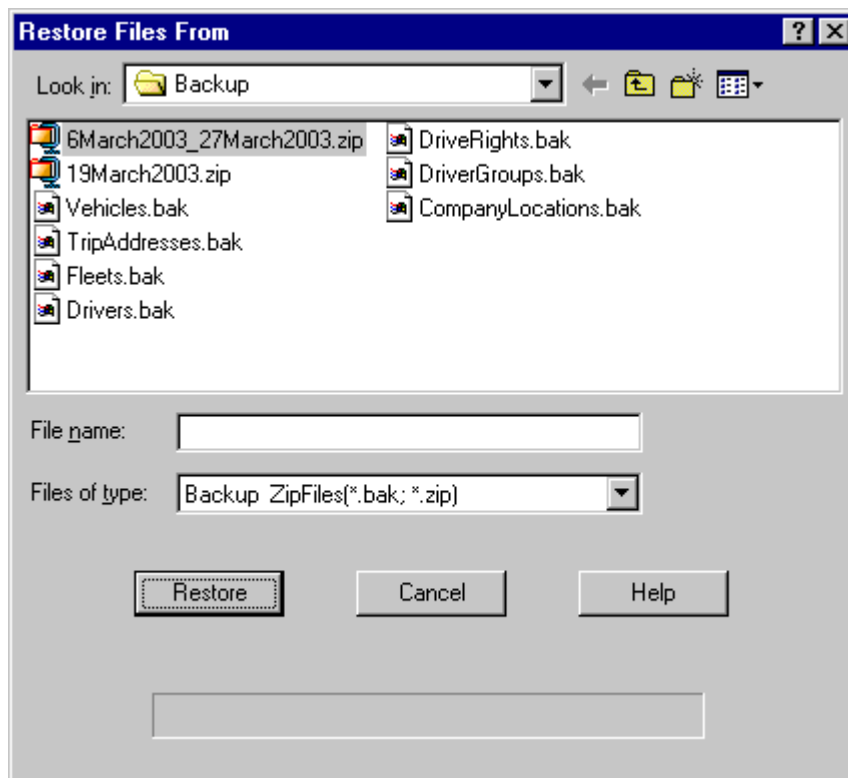
2. From the **Restored Files From** dialog box select a single zip file to restore, and then click **Restore**. DriveRight FMS unzips the file and displays all the tables in the dialog, and displays the following dialog box:



Note: You can only restore one .zip file at a time.

Note: The backup file filename is based on the start and end dates chosen for the backup.

3. You can either restore all the database tables or restore individual database tables. Click **Yes** in the dialog box to restore all the tables. Click **No** to restore selected database tables.
4. If you are restoring selected database tables, select each table to be restored. Hold down the Control key on your keyboard to select multiple tables. When you have finished making your selection, click **Restore** to restore the tables or click **Cancel** to exit without restoring the tables.



5. When the files have been restored, click **OK** to return to the program.

See Also:

Backup

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Import Menu

Import Menu

Use the Import Menu options to import DriveRight database data into DriveRight.

Import: FTP Import

Import: Import Data From

[Back to File Menu](#)

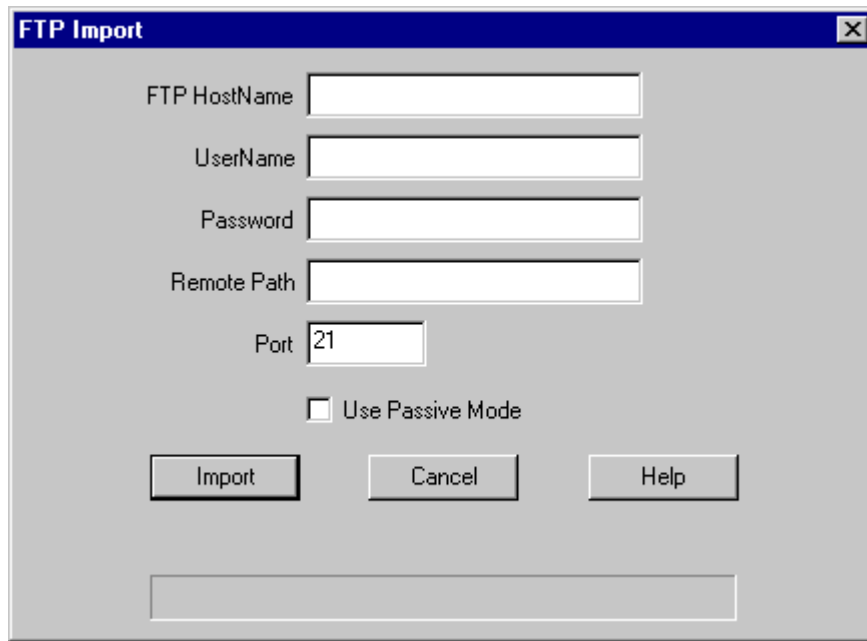
Import: FTP Import

FTP (File Transfer Protocol) Import allows you to import DriveRight data from a remote site. Use this procedure for FTP Import only. Use the Import: Other Import Commands procedure for all other import commands.

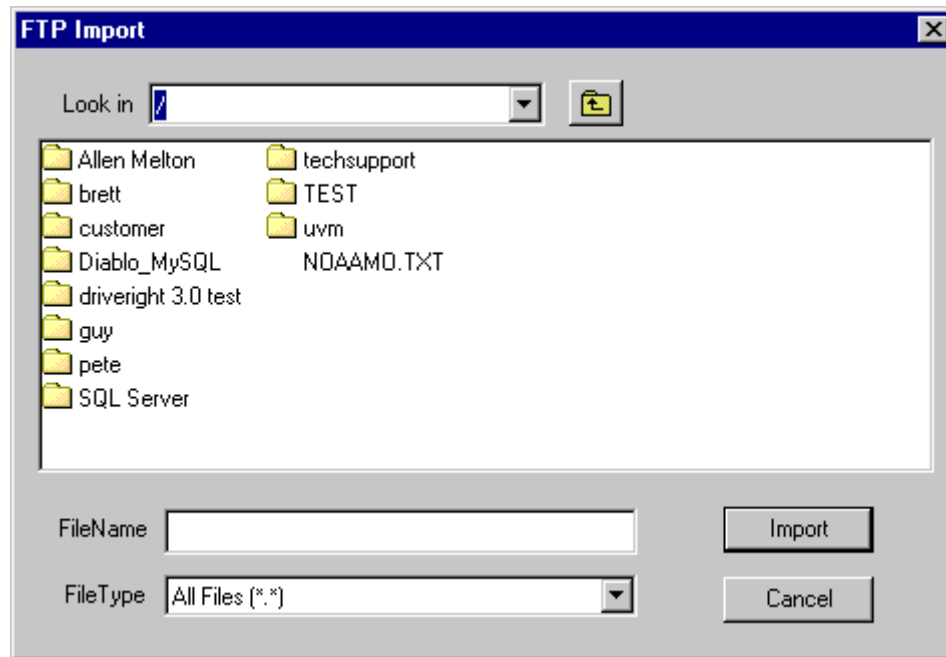
Note: Before you start this operation, contact your systems administrator for your FTP account information.

To use FTP Import:

1. Select **Import** from the **File** Menu.
2. Select **FTP Import** from the **Import** drop-down menu. The **FTP Import** dialog box is displayed.

The image shows a Windows-style dialog box titled "FTP Import" with a standard close button (X) in the top right corner. The dialog has a light gray background. It contains five text input fields arranged vertically, each with a label to its left: "FTP HostName", "UserName", "Password", "Remote Path", and "Port". The "Port" field contains the number "21". Below these fields is a checkbox labeled "Use Passive Mode", which is currently unchecked. At the bottom of the dialog are three buttons: "Import", "Cancel", and "Help". There is also a small, empty rectangular box at the very bottom of the dialog area.

3. In the **FTP HostName** edit box, type the name of the FTP server that you want to import the database tables from. eg: toolbox.davisnet.com
4. In order to access the FTP site you must have a user account on the FTP site. Enter your user name and password in the edit boxes.
5. In the **Remote Path** edit box, you can enter a specific directory path in the FTP server.
6. Default port for the FTP site is 21. Use the default port unless the FTP site listens on a different port.
7. Default connection to the FTP site is active mode. Some FTP sites allow only passive mode connections.(check the passive mode check box in that case). For details, contact your system administrator.
8. Click **Import**. The following **FTP Import** dialog box displays, which displays the directories and files located at the specified location on the FTP server.



9. Locate and select the sub-directory named for the DriveRight FMS location from which you want to import the database tables. Click **Import** to open the directory.
10. Locate and select the zip file containing the database tables you wish to import. Click **Import** to import the tables.
11. When the files have been successfully imported, click **OK** to return to the program.

Note: You can quit at anytime during importing by clicking the Cancel button.

See also:

Import: Other Import Commands

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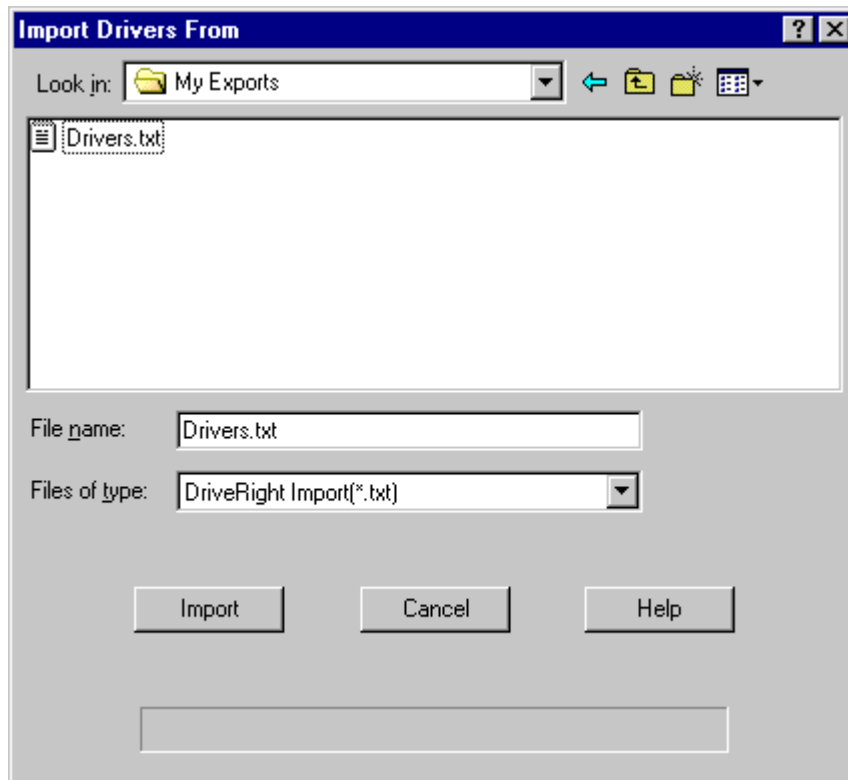
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Import: Import Data From

Use the Import *tables* command to import individual DriveRight Tables into your database. This is the procedure for all import commands except FTP Import.

To import data:

1. Select **Import** in the **File** Menu.
2. Select the table you wish to import (Drivers, Vehicles, Trips, etc.) from the list.
3. When the **Import** dialog box displays, go to the directory where the file to be imported are located. Select the file to be imported and click Import to import the data or click Cancel to exit without importing.



See also

Import: FTP Import

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Export Menu

Export Menu

Use the export menu options to export DriveRight FMS data.

FTP Export - Use the FTP Export command to export database data to a remote site.

Export GPS to Mapping Software - Use the Export GPS to Mapping Software command to export GPS data in a format designed to be imported into mapping software.

Export Accidents to Mapping Software - Use the Export Accidents to Mapping Software command to export accident GPS data in a format designed to be imported into mapping software.

Other Export Commands - Use the other export commands to export the indicated type of data in a tab-delimited text file.

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Export: FTP Export

FTP (File Transfer Protocol) Export shows all the available database tables that you want to export to the FTP site. By default all tables are selected. You can un-check the tables that you don't want to export.

Note: Before you start this operation, contact your systems administrator for your FTP account information.

Steps to follow:

1. Select **Export** in the **File** Menu.
2. Select the **FTP Export** from the menu list. The **FTP Export** dialog box is displayed.

3. In the **FTP Host Name** box, type the name of the FTP server that you want to export the database tables.
4. Enter your user name and password in the appropriate boxes. To access the FTP site you must have a user account on the FTP site.
5. Enter a specific directory path in the FTP server to which to export your files in the **Remote Path** box
6. Enter a port number in the **Port** box. The default port for the FTP site is 21. Use the default port unless the FTP site listens on a different port.
7. Click **Use Passive Mode** if the FTP site uses passive mode. The default connection to the FTP site is active mode. Some FTP sites allow only passive mode connections. Check the **Passive Mode** check box in that case. For details, contact your system administrator.
8. Select the database tables to be exported by clicking the box for each table. Click a second time to de-select the table.
9. Select the **Export data between** box to specify the time interval you want to export. The default start date for the interval is the last date of export. The default end date is the current date. You can change the start and end dates as required. If you have exported data previously, the last date of export is displayed in the dialog box.
10. Click **Export** once you are done with the above steps or click **Cancel** to exit without exporting data. The program creates a sub-directory with your current location name on the FTP

site, if it doesn't already exist, and then exports a ZIP file to the sub-directory. The default name for the export ZIP file is "day" + "month" + "year".zip (20jan2003.zip).

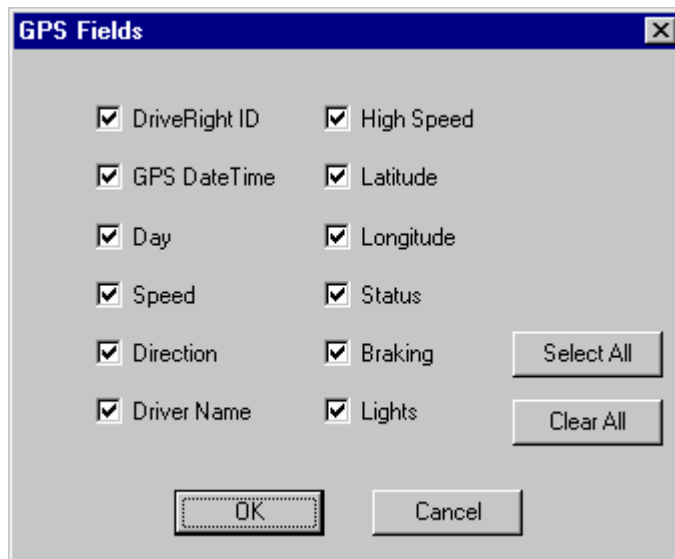
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Export: GPS to Mapping Software

To export GPS data:

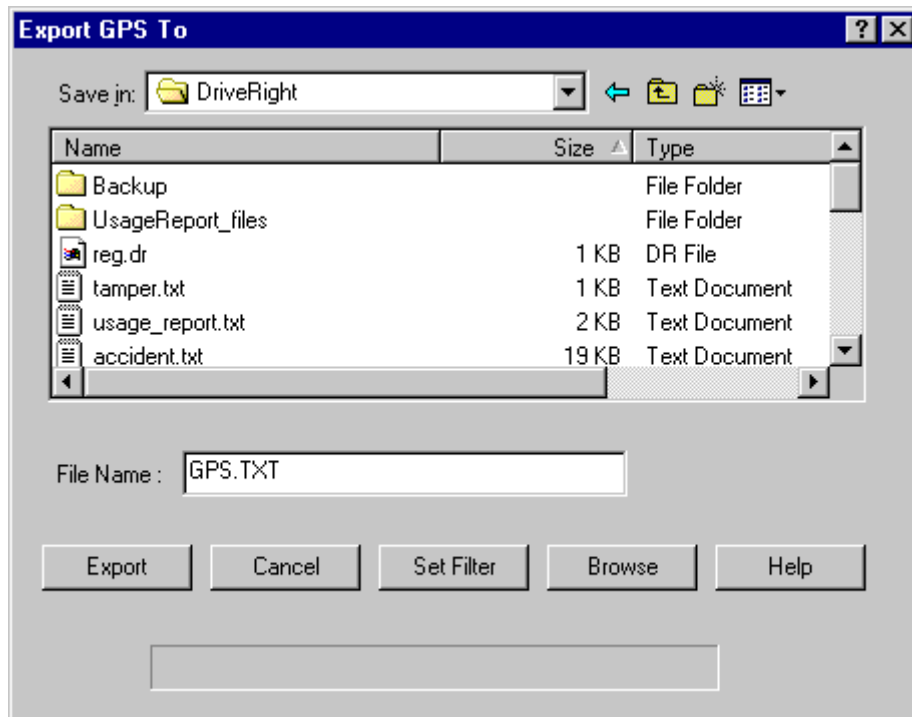
1. Select **Export** in the **File** Menu.
2. Select **GPS to Mapping Software** in the drop-down **Export** menu. The **GPS Fields** dialog box is displayed.



3. Click **Select All** to check all fields. Click **Clear All** to clear all fields. Click in the box for each field to toggle the check on and off.

Note: Only the checked GPS fields will be exported. These key fields should always be selected: GPS DateTime, Speed, High Speed, Latitude and Longitude.

4. Click **OK** in the **GPS Fields** box to continue, click **Cancel** to exit. If you click **OK**, the **Export GPS To** dialog box is displayed.



3. The default file name is GPS.TXT and the default directory is the DriveRight FMS install directory. You can edit or change the file name directly in the text box. You can also change the directory in which the exported GPS data file will be saved.
4. Click **Set Filter** to narrow the selection of GPS data to be exported.
5. Click **Browse** to view the GPS data before you export it.
6. Click **OK** when you are ready to export the GPS data or click **Cancel** to exit without exporting data. If you click **OK**, the exported GPS data will be saved in a file ready to be imported into your mapping software.

See also:

[Import GPS Data Into MapPoint](#)

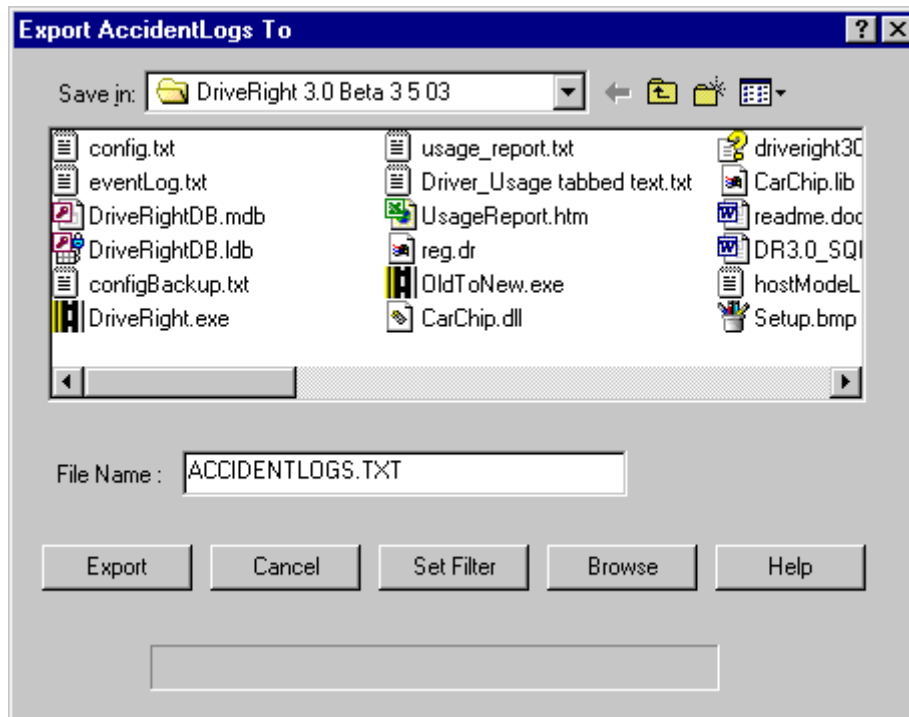
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Export: Accidents to Mapping Software

To export accident log data:

1. Select **Accident to Mapping Software** from the **Export** command in the **File** Menu. The **Export Accidentlogs To** dialog box is displayed.



2. Select the file directory in which to save the accident log files.
3. Verify the file name for the accident log file. You can edit the name in the dialog box if desired.
4. Click **Export** to create the accident log data file or click Cancel to exit. If you click **OK**, the exported Accident Log data will be saved in a file ready to be imported into your mapping software.

To import data into MapPoint:

1. Start the MapPoint application.
2. Select **Import Data Wizard** from the **Data** menu.
3. Using the **File** dialog box find select the ACCIDENTLOGS.TXT file and click on Open.
4. "Tab" should be selected to separate the data. Click Next.
5. All the fields you exported will appear in the next dialog. Column headings are included and should be detected by the program. All the columns should have <Other Data> as their data type except Lat and Long. Check to make sure the Lat and Long were detected correctly. If they are not, correct them. Click Finish.
6. Select **Multiple Symbol** and click **Next**. These instructions show you how to color code accident log points by speed at T0. T0 is the middle point of the accident log.
7. In "Select the data field or column to map" list, select time_TO. In "Divide the data you chose above by" list, select <None>. In "Show the data by" list, select Latitude & Longitude. Click **Next**.
8. Enter the speed divisions you want to use and the color for each division.
9. Click **Finish** to plot the points.

10. In the left frame, right click on "time_T0 by Latitude & Longitude". Select "Properties". Open the Balloon tab and select time_T0, accidentDateTime and any other fields you want to view.
11. Zoom in enough to see individual points, right click on a point, and pick "Show Information", to look at data for that particular point.
12. MapPoint allows you to navigate around on the map pretty well. Some useful keystrokes are '+' to zoom in and '-' to zoom out. Also, you can draw a box around an area and then click in it to zoom into it. You can scroll the map using your mouse by just positioning the mouse cursor on the side of the map you want to scroll into.

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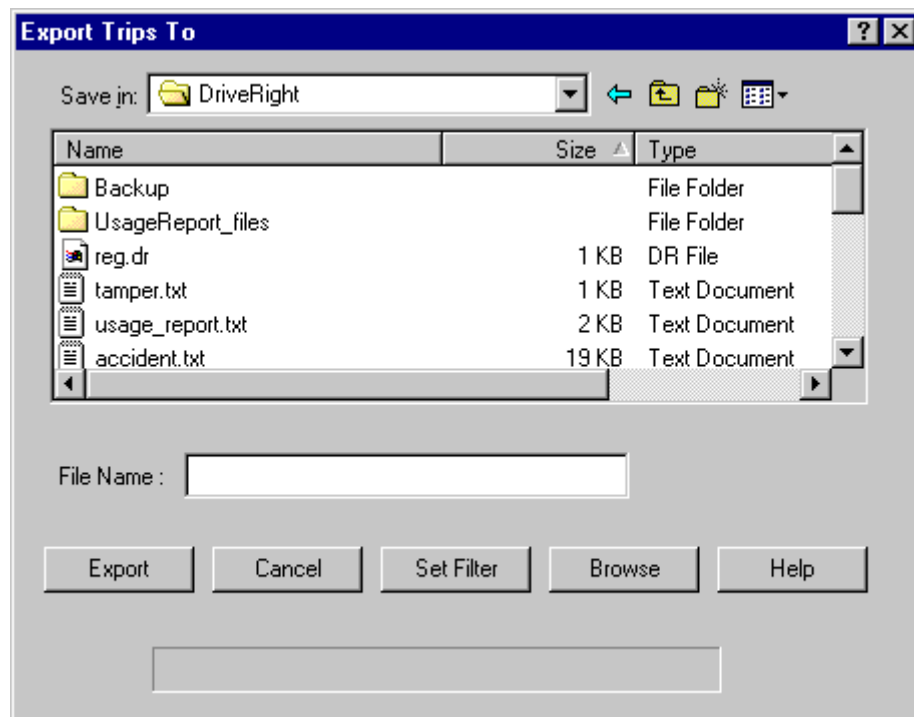
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Export: Export Data To

Use the Export "data type" command to export the data in the database to a file. The exported files are in a tab-delimited text file format and can be used to exchange information within your company, with your clients, etc.

To export data:

1. Select **Export** in the File Menu.
2. Select the data type you wish to export (Drivers, Vehicles, Trips, Costs, etc.) from the drop-down menu. The Export "data type" To window is displayed. The Export Trips To window is shown here as an example.



3. Create a name for the file you wish to export on the **Export File Name** box (for example: Trips.txt).

4. Use the browse function in the **Export Data Type To** dialog box to select a destination where you wish to place the file.
5. In some cases, you can use the Set Filter option to more specifically specify the data to be exported (for example: export only information related to one driver, or a group, or a period of time, etc.).
6. Iviewed the file before exporting by clicking **Browse** . This will give you the opportunity to view the selected records that will be exported.
7. If the data is correct, you can click **Export** to create the export data file.

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Print

Use the **Print** command to print a DriveRight report that is displayed on your screen.

To print:

1. Click **Print** in the **File** menu. The **print** dialog box appears.
2. Select your desired print options.
3. Click **OK** to print or click **Cancel** to exit the dialog box without printing.

Note: The Print command is only enabled when a report is being displayed.

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Print Preview

To preview a print job:

1. On the **File** menu, click Print Preview.
2. Use the buttons on the toolbar to look over the page or make adjustments before printing.

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Print Setup

To setup your print options:

1. On the **File** menu, click **Print Setup**.
2. Select your desired print options.
3. Click **OK** to save the settings or click **Cancel** to exit the dialog box without saving.

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Clear Screen

Use the Clear Screen command to clear reports from the main program window.

To clear the screen:

1. Click **Clear Screen** in the **File** menu. The main program window is cleared.
2. You can also use the Clear Screen icon to clear the screen:



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Exit

Use the Exit command to close the DriveRight software.

To exit the software:

1. Click **Exit** in the File menu. The software quits.

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Other File Menu Information

Filter for GPS

When you are exporting GPS data to mapping software, you can use the Filter command to export only data for a specific driver, a specific DriveRight console, or for a specific time interval.

To filter GPS export data:

1. Click **Set Filter** in the **Export GPS To** dialog box. The **Filter for GPS** dialog box appears.

2. Verify the Company Location. Use the Current Location command in the **Setup** Menu to change the location if necessary.
3. To export data for all drivers and DriveRights, click the **Browse All** radio button.
4. To export GPS records for a specific driver, click **Driver Name** and select the driver from the list.
5. To export GPS records for a specific DriveRight, click **DriveRight ID** and select the DriveRight from the list.
6. To export GPS records for a specific time interval, check **GPS Between**. Edit the **Start Date & Time** and the **End Date & Time** as desired.
7. To export GPS records with a high speed over a specified speed, enter a speed in the **High Speed >=** text box.
8. Click **OK** to set the filter or click **Cancel** to exit without changing the filter. The **Export GPS To** dialog box is displayed.

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Setup Menu

Setup Menu

The following commands are available in the Setup Menu:

Current Location

Users

Preferences

Host Mode

Communications Port - DriveRight

Communications Port - CarChip

SmartCard Reader

Default DriveRight Settings

Default CarChip Settings

Digital Input Labels

Corporate Structure

[Back to Menu Commands](#)

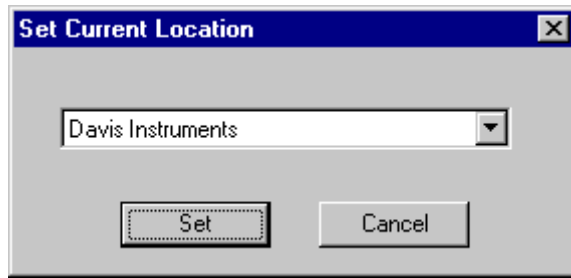
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Current Location

All data is organized according to location. All information is stored as part of the Current Location. Set the Current Location value properly for proper data storage. Once current location name is set, the corresponding location ID is stored in all the downloads. All operations like database browsing, reporting, etc, are performed with respect to the current location.

To change the current location:

1. Select **Current Location** command in the **Setup** Menu. The **Set Current Location** dialog box is displayed:



2. Select the desired location from the drop-down list.
3. Click **Set** to change the location or click **Cancel** to exit without changing the current location.

Note: A new location can be added by going to Database->Company Locations, and clicking **Add New** in the Browser.

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Users

Users Menu

The **Users** Menu commands allow you to log in and to change your password. If you are the Super User you can also browse the list of registered users.

[Login](#)

[Browse/Add Users](#)

[Change Password](#)

[Back to Setup Menu](#)

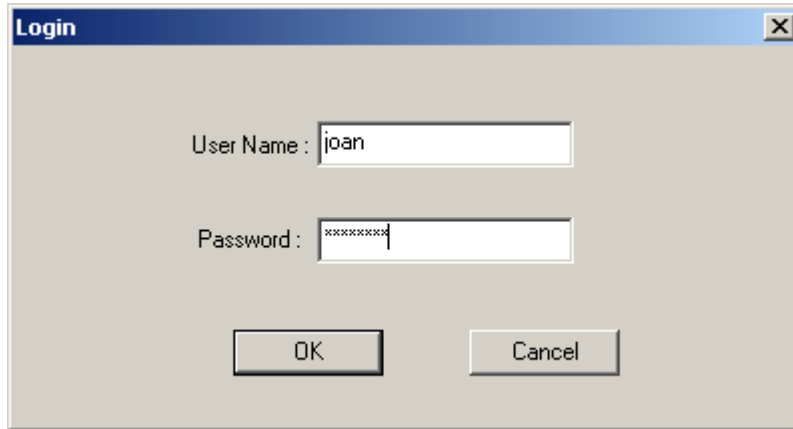
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Users: Login

The Users Login command allows you to change the User without exiting the program. You must be a registered user to access program functions.

To change the current user:

1. Select **Login** from the **Users** sub-menu in the **Setup** Menu. The **Login** dialog box is displayed.

A screenshot of a 'Login' dialog box. The dialog has a title bar with the word 'Login' and a close button (X). Inside, there are two text input fields. The first is labeled 'User Name :' and contains the text 'joan'. The second is labeled 'Password :' and contains a series of asterisks 'xxxxxxx'. Below the input fields are two buttons: 'OK' and 'Cancel'.

2. Enter your User Name and Password.
3. Click **OK** to log in, or click **Cancel** to exit the dialog box without changing the current user.

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Users: Browse/Add

The Users Browse/Add command opens the Users browse window showing you a list of all registered users, including their passwords. From this window you can add new users or edit the privileges of existing users.

Note: You must be logged in as the Super User to access this command.

To open the Users browse window:

1. Select **Browse/Add** from the **Users** command in the **Setup** Menu. The Users browse window is displayed.
2. Click on Add New to add a new user.
3. To change a user's settings, click on the user in the browse window and then click on Edit.
4. To delete a user, click on the user in the browse window and then click **Delete**.
5. To print the browse window, click **Print**.
6. Click **Close** to exit the window, or click on the close icon in the upper right corner of the window.

See also:

Add New User

Edit User

[Back to Setup Menu](#) | [Users Menu](#)

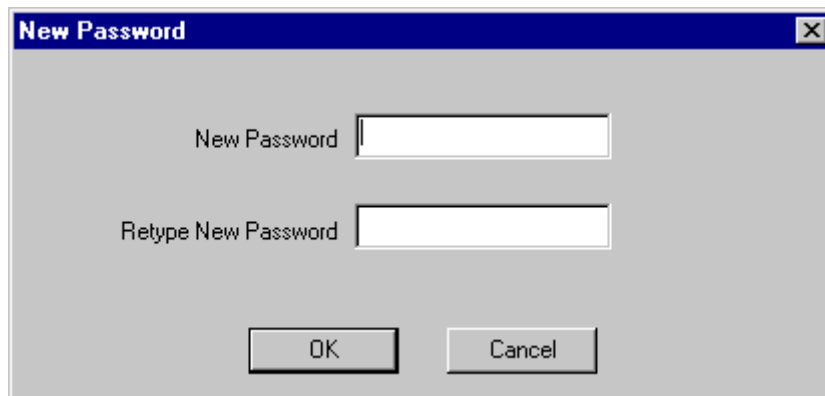
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Users: Change Password

The Users Change Password command allows you to change your DriveRight password.

To change your password:

1. Select **Change Password** from the **Users** command in the **Setup** Menu. The **New Password** dialog box is displayed.

A screenshot of a Windows-style dialog box titled "New Password". The dialog box has a blue title bar with a close button (X) in the top right corner. The main area is light gray. It contains two text input fields. The first field is labeled "New Password" and the second field is labeled "Retype New Password". Below the input fields are two buttons: "OK" and "Cancel".

2. Enter your new password, then retype your new password.
3. If the retyped password doesn't match, you will be prompted to check the retyped password.

Note: In order to change your password the new password and the retyped new password must match exactly.

4. Click **OK** to change your password or click **Cancel** to exit the dialog box without changing your password.

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Users: Edit

Use the Edit command to change user information. User information includes the user name, password and the user's access privileges to functions and data in the software.

To edit user information:

1. Select **Browse/Add Users** from the **Users** command in the **Setup** Menu. The **Users** browse window is displayed.
2. Click **Edit** located in the lower left corner of the window. The **Update User Privileges** dialog box is displayed.

Update User Privileges

User Name :

Password :

User Type
☐ Normal User ☒ Super User

DriveRight/CarChip/SmartCard Access
☐ No Access
☐ Download / Read Only
☒ Full Access

Application Options
☒ Backup
☒ Restore
☒ Import
☒ Export
☒ Application Preferences
☒ Set Current Location
☒ Maintenance
☒ Reports
☒ Mapping

Database Table Access

| | | | | | |
|-------------------|-------------|----------------|-------------|----------------|-------------|
| Company Locations | Full Access | Vehicles | Full Access | Days | Full Access |
| DriveRights | Full Access | Trips | Full Access | Download Dates | Full Access |
| Driver Groups | Full Access | Accident Logs | Full Access | GPS | Full Access |
| Drivers | Full Access | Tamper Logs | Full Access | Odometer Logs | Full Access |
| Fleets | Full Access | Trip Addresses | Full Access | Safety Score | Full Access |

3. Configure the desired access privileges for the user.

The **User Type** allows you to make the user a Normal User or a Super User.

The **DriveRight/CarChip/SmartCard Access Options** allow you to limit a user's access to DriveRight, CarChip, and SmartCard.

The **Application Options** allow you to limit a user's access to individual program functions.

The **Database Table Access Options** allow you to limit a user's access to the DriveRight database.

4. Click **All Rights** to grant all privileges to the user. You can then selectively remove unwanted privileges from the user.
5. Click **Clear Rights** to remove all privileges from the new user. You can then selectively add desired privileges to the user.

6. Click **Add** to add the new user or click **Cancel** to exit without updating the user information.

See also:

Users: Browse/Add Users

Users: Add New

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Preferences Menu

Preferences Menu

You can set the following program preferences in DriveRight FMS:

Units

Backup Options

Download Options

Database Browser

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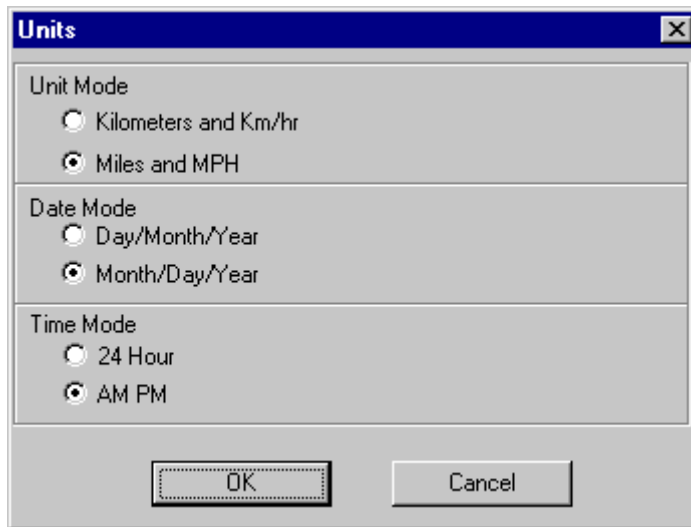
Preferences: Units

The Units dialog box allows you to select the units used for distance and speed and also control the display of the time and date.

To set units:

1. Choose **Units** from the **Preferences** command in the **Setup** menu.

The Units dialog box appears.



2. Select the desired distance/speed, date, and time options.
3. Choose **OK** when you are satisfied with the settings, choose **Cancel** to exit without changing the settings.

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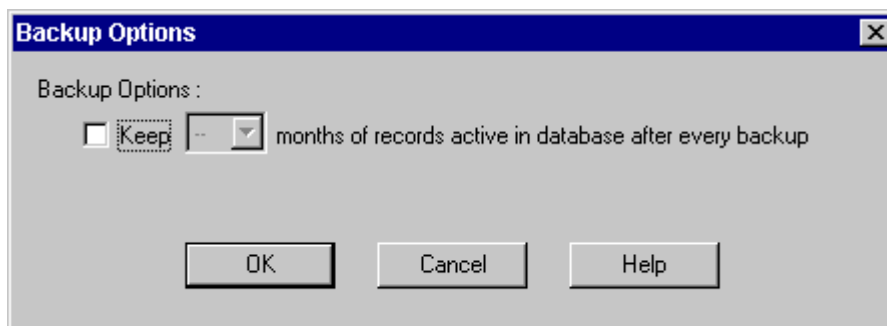
Preferences: Backup Options

Use the **Backup Options** command to set the number of months of records to keep in the database after every backup. Refer to Active Database Size Recommendations and Database Backup Considerations for more information.

To set your download options:

1. Choose **Backup Options** from the Preferences command in the **Setup** menu.

The **Backup Options** dialog box displays.



2. Check the **Keep X months of records active in the database after every backup** box then select the number of months from the drop down list to keep the selected number of months active in the database after a backup. All data recorded before the specified period of time will be removed from the active database.

3. Click **OK** to accept backup options or click **Cancel** to exit the dialog box without saving the changes.

See also:

Database Backup Considerations

Active Database Size Recommendations

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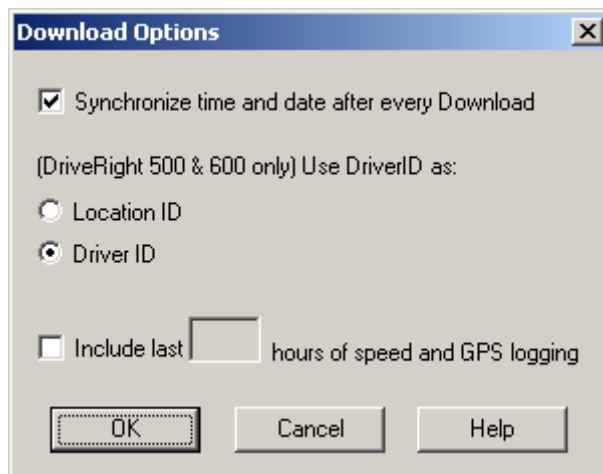
Preferences: Download Options

Use the Download Options command to set up the automatic synchronization of the DriveRight's clock after each download and to determine how the software will handle the Driver ID set in the Trip 500AL and DriveRight 600 consoles.

To set your download options:

1. Choose **Download Options** from the Preferences command in the **Setup** menu.

The **Download Options** dialog box appears.



2. Select **Synchronize time and date after every download** to have your DriveRight unit's clock automatically reset to match your computer after each download.

Note: If you choose this option, all DriveRight consoles included remote units downloaded through host mode will be reset to the computer's time and date, even if the remote DriveRight is in a different time zone.

3. If you are using DriveRight Trip 500AL or DriveRight 600 consoles, set the DriverID as either the Location ID or the Driver ID.

4. Select **Include last hours of speed and GPS logging** to determine number of hours of speed data the recorded by the CarChip that the FMS software keeps. To save database space, CarChip uses the default setting of 1 hour and saves the last hour of GPS and Speed Interval data that gets displayed in the GPS database table. Select this check box and enter the number of hours of speed and GPS logging data you want to keep.

Note: The maximum number of hours of speed and GPS logging information that can be downloaded and stored is 9 hours. To minimize download times and limit the amount of database server space used, it is recommended that the default of one hour be used. Note that by increasing the number of hours of speed and GPS logging information that is kept increases the amount of time it takes to download information from the CarChip to the software.

5. Click **OK** to save the changes, click **Cancel** to exit without saving.

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Preferences: Database Browser

Use the Database Browser commands to change the text font and color and the background color used in the Browser windows.

Text Font and Color

Background Color

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Host Mode

Host Mode Menu

Host Mode allows drivers to dial in remotely and download their DriveRight using a modem.

Host Mode On

Host Mode Setup

Remote Modem Setup

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Host Mode On

This is the mode that your modem should be in when someone wants to call in from outside to transfer data from one or more DriveRight devices. A dialog box appears indicating that the modem is being initialized. After the initialization has been completed successfully, the other party can call in. When the Host Mode is on, all other software operation are suspended.

Tip: It's a good idea to set a schedule for remote drivers to call into the Host computer. For example, setting the rules to call outside business hours, then leaving the computer in Host Mode as the last task of the day will give drivers flexibility to call in. Alternatively, one computer can be dedicated as the Host, and data can be exported from it periodically to another computer where analysis and reporting are performed.

- The user connects his modem to the DriveRight (showing the CURRENT screen) using the remote download Kit (item #8188, purchased separately).
- The host mode is a well-protected function. You can only communicate as long as a DriveRight is connected to your PC. In all other cases, communication is lost.
- For details on how to install a remote modem to enable it to participate in the Host Mode, please consult the instructions accompanying the Remote Download Kit.
- The History Window displays status information for downloaded DriveRights.
- Hang Up: Generally, you will not need this button because the software will hang up automatically. However, if necessary you can manually hang up the phone using this button.
- Reinitialize Modem: Resets the modem initialization.
- Exit Host Mode: Exit host mode and resume normal program operation.

See also:

[Host Mode Menu](#)

[Host Mode Setup](#)

[Host Mode: Remote Modem Setup](#)

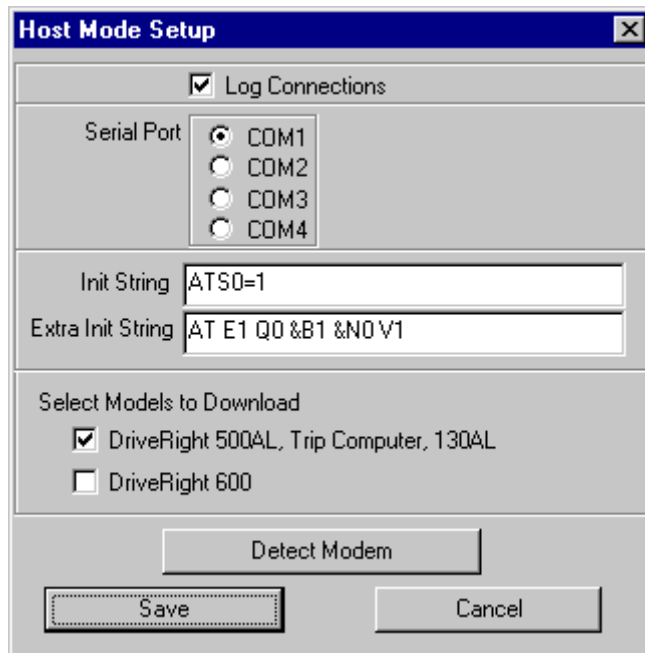
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Host Mode Setup

Host Mode Setup allows you to configure your computer's modem to accept calls.

To be able to communicate with the DriveRight and transfer data over a modem, the communications port should be defined for your modem. Furthermore, set the modem of your PC to Auto-Answer when there is a call. Refer to your modem manual for Auto-Answer.

- Select the COM Port that your modem is connected too.
- The default initialization strings are "AT E1 Q0 &B1 &N0 V1" and "ATS0=3" for string 1 and string 2.
- Click **Detect Modem** to detect the serial port to which the modem is connected.
- If you are going to download just DriveRight 500 AL and earlier models just check that box. See description below for explanation as to why this is necessary.



The **Host Mode Setup** dialog box contains the following elements:

- Log Connections:** A checked checkbox.
- Serial Port:** A group box containing four radio buttons labeled COM1, COM2, COM3, and COM4. COM1 is selected.
- Init String:** A text field containing "ATS0=1".
- Extra Init String:** A text field containing "AT E1 Q0 &B1 &N0 V1".
- Select Models to Download:** A group box containing two checkboxes:
 - ☒ DriveRight 500AL, Trip Computer, 130AL
 - ☐ DriveRight 600
- Buttons:** "Detect Modem", "Save", and "Cancel".

Note: Because the DriveRight 500 and earlier versions of DriveRight communicate at 2400 baud and the DriveRight 600 communicates at 19,200 baud, you must configure your computer to communicate with either the DriveRight 600 or with earlier models.

See also:

Host Mode On

Host Mode: Remote Modem Setup

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Remote Modem Setup - Using Hyper Terminal

The external modem at the site where the DriveRight is connected is called the "remote" modem. The DriveRight owner, when he wants to download his information, connects the DriveRight to this modem using the interface box and modem adapter included in the Remote Modem Kit. He then turns the modem on, and it will dial the host computer and the download will be initiated. However, before the modem will dial up the host computer and download correctly it must be set up correctly. The following instructions explain how to do this manually for a US Robotics Courier V. Everything modem and the Windows 95 accessory program Hyper Terminal. In addition, the setups for US Robotics 56K Fax Ext are included.

Unfortunately, not all modems have the same command set or act the same way on power up. If you are using a modem other than the one described, read the instructions below and then refer to your specific modem documentation to determine if your modem can be used.

Note: When you are asked to type a command, do not type the quotes. Type all commands in upper case.

1. Take the modem out of the box and check that the DIP switches are set in the following way:

Switch Number: 1 2 3 4 5 6 7 8 9 10

Switch Setting: 0 0 0 1 1 0 0 1 0 0

Note: 0 is short for OFF and 1 is short for ON. These DIP switches only apply to the US Robotics Courier V. Everything modem.

2. Using the Remote Modem Kit, connect the remote modem to a known serial port, and then turn the modem on. Make sure you use the gray phone cable included in the kit to go from your serial port to the modem. The black phone cable included in the DriveRight Software kit will not work for a modem.
3. Run the Hyper Terminal program. You can find the program in the Start menu under Programs/Accessories/Hyper Terminal. Click on one of the phones in the program group to start the program.
4. Select "Properties" from the File menu and make sure you have the correct serial port selected. If you are not sure, you will have to use trial and error. In most cases "Direct to COM1" or "Direct to COM2" should work. The File/Save As command can be used to save these settings under a name of your choice. You then can click on the phone with this name to start Hyper Terminal next time.
5. Type the letters "AT" and press enter. If you get an OK back, you are communicating with the modem. If you do not, type the following commands.

"ATE1V1Q" and press Enter

You should now be able to type "AT" and press enter and receive an OK back. You should also be able to see the "A" and the "T" when you type them.

If the above test fails, check your connections and then try another COM port by changing your selection in the Properties option in the File menu.

6. Enter the following commands to program the modem. You should receive an "OK" after each one of the commands below unless stated otherwise.

"ATS13=16" and press Enter

Now, you will program the phone number to be dialed. In the example below, the host computer is connected to 780-6455.

"AT&Z0=780-6455" and press Enter

Now the modem will dial this number when it is turned on.

"AT&W" and press Enter

This setup is now saved in non-volatile memory which is loaded when the modem is turned on.

"AT&M4" and press Enter

This tells the modem to use a standard error detection protocol which should be used to insure the data transfer is done error free.

"ATE0Q1" and press Enter

You will not receive an "OK" after this command. "Q1" tells the modem to operate in "quiet" mode. This is necessary so the DriveRight does not interpret any responses from the modem as commands. Note also, command will no longer be echoed. If you type AT Enter, you will see nothing; however, this is what we want and why we waited to do this on the last step.

7. Exit Hyper Terminal: You are now ready to test your programming. If you have two separate phone lines and the DriveRight software you can completely test your setup. Plug in a working phone line to the remote modem and the "correct" phone line into your computers internal or external modem. The "correct" line is the one belonging to the number you programmed in step 5. Run the DriveRight software and put it in "host" mode by selecting "Host Mode On" in the Setup/Host Mode menu. Connect the DriveRight to be downloaded to the external modem through the interface box and the black cable, not the gray cable you used to program the modem. Turn the modem off and then back on again. The modem should dial the host, the computer should answer the call and download the data. The DriveRight owner knows the download is completed when the CD light goes off. Under any circumstances, the download should be completed in no more than 5 minutes.

Below are the modem configurations for the US Robotics modems used during testing.

FIELD MODEM:

For DriveRight 500 make sure &N3 (if DriveRight 600 not selected in Host Mode Setup &N0 will also work.)

For DriveRight 600 make sure &N0 or &N10.

USRobotics Courier V.Everything Settings...

B0 C1 E0 F1 M1 Q1 V1 X1

BAUD=19200 PARITY=N WORDLEN=8

DIAL=TONE ON HOOK TIMER

&A1 &B0 &C1 &D2 &G0 &H0 &I0 &K1 &L0 &M4 &N3

&P0 &R1 &S0 &T5 &U0 &X0 &Y1 %N6 #CID=0

S00=000 S01=000 S02=043 S03=013 S04=010 S05=008 S06=002 S07=060

S08=002 S09=006 S10=014 S11=070 S12=050 S13=016 S14=001 S15=000

S16=000 S17=000 S18=000 S19=000 S20=000 S21=010 S22=017 S23=019

S24=150 S25=005 S26=001 S27=000 S28=008 S29=020 S30=000 S31=000
S32=009 S33=000 S34=000 S35=000 S36=000 S37=000 S38=000 S39=000
S40=000 S41=000 S42=126 S43=200 S44=015 S45=000 S46=000 S47=000
S48=000 S49=000 S50=000 S51=000 S52=000 S53=000 S54=064 S55=000
S56=000 S57=000 S58=000 S59=000 S60=000 S61=000 S62=000 S63=000
S64=000 S65=000 S66=000 S67=000 S68=000 S69=000 S70=000

LAST DIALED #: T293-3529

Switch 4,5, and 8 ON all others off.

FIELD MODEM:

For DriveRight 500 make sure &N3.

For DriveRight 600 make sure &N0 or &N10.

U.S. Robotics 56K FAX EXT Settings...

B0 E0 F1 M1 Q1 V1 X1 Y0

BAUD=19200 PARITY=N WORDLEN=8

DIAL=TONE ON HOOK CID=0

&A1 &B0 &C1 &D2 &G0 &H0 &I0 &K1

&M4 &N10 &P0 &R1 &S0 &T5 &U0 &Y1

S00=004 S01=000 S02=043 S03=013 S04=010 S05=008 S06=004

S07=060 S08=002 S09=006 S10=014 S11=070 S12=050 S13=016

S15=000 S16=000 S18=000 S19=000 S21=010 S22=017 S23=019

S25=005 S27=000 S28=008 S29=020 S30=000 S31=128 S32=002

S33=000 S34=000 S35=000 S36=014 S38=000 S39=000 S40=001

S41=000 S42=000

LAST DIALED #: T2933529

SWITCH 4,8 ON all others OFF.

HOST MODEM:

U.S. Robotics 56K FAX EXT Settings...

B0 E1 F1 M1 Q0 V1 X1 Y0

BAUD=19200 PARITY=N WORDLEN=8

DIAL=TONE ON HOOK CID=0

&A1 &B1 &C1 &D2 &G0 &H0 &I0 &K1

&M4 &N0 &P0 &R1 &S0 &T5 &U0 &Y1

S00=004 S01=000 S02=043 S03=013 S04=010 S05=008 S06=004
S07=060 S08=002 S09=006 S10=014 S11=070 S12=050 S13=000
S15=000 S16=000 S18=000 S19=000 S21=010 S22=017 S23=019
S25=005 S27=000 S28=008 S29=020 S30=000 S31=128 S32=002
S33=000 S34=000 S35=000 S36=014 S38=000 S39=000 S40=001
S41=000 S42=000

LAST DIALED #:

SWITCH 3,8 ON all others OFF.

DriveRight Software Host Mode Setup

Initialization String 1: AT E1 Q0 &B1 &N0 V1

Initialization String 2: ATS0=3

See also:

Host Mode On

Host Mode Setup

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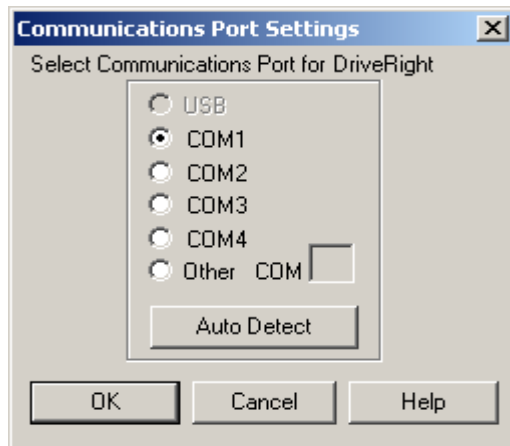
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Communications Port - DriveRight Settings

Use the Communications Port - DriveRight Settings command to select the communications port used to connect a DriveRight device to your computer.

To select a communications port:

1. Select the **Communications Port - DriveRight** command in the **Setup** Menu. The **Communications Port Settings** dialog box is displayed:



2. Select the communications port from the list provided. DriveRight FMS supports COM1 through COM8.
3. If you are not sure which communication port you are using, connect your DriveRight to your computer:
 - Press the Mode button on the DriveRight if necessary to make sure the device is on.
 - Click **Auto Detect**
 - If the DriveRight is found by the software, the following message is displayed and the correct communications port is selected in the dialog box.



4. Click **OK** to save the serial port selection or click **Cancel** to exit the dialog box without changing the port.

Note: If you are working on a network, ask the network administrator to assist you in selecting the correct communications port.

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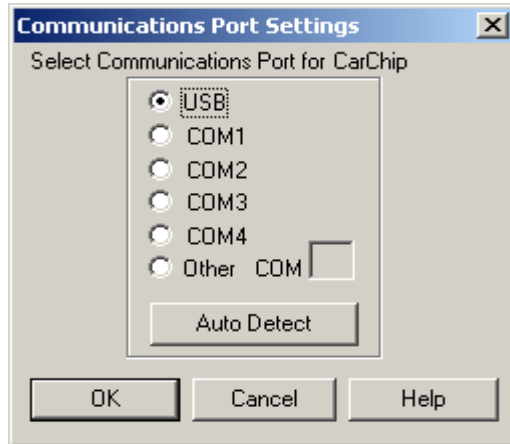
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Communications Port - CarChip Settings

Use the Communications Port - CarChip Settings command to select the communications port used to connect a CarChip device to your computer.

To select a Communications port:

1. Choose the **Communications Port - CarChip** from the **Setup** Menu. The **Communications Port Settings** dialog box is displayed:



2. Select USB if using a USB connection or the correct COM port for the serial port connection from the list provided. DriveRight FMS supports USB and COM1 through COM8.
3. If you are not sure which communications port you are using, connect your CarChip to your computer, click the **Auto Detect** button. If the CarChip is found by the software, the following message is displayed and the correct communications port is selected in the dialog box.



4. Click **OK** to save the communications port selection or click **Cancel** to exit the dialog box without changing the communications port information.

Note: If you are working on a network, ask the network administrator to assist you in selecting the correct communications port.

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Default DriveRight Settings Menu

Default DriveRight Settings Menu

Use the Default DriveRight Settings Wizard to create default device settings which are used by all new DriveRights added to the system. Use the View/Set command to review or edit the default settings.

View/Set

Setup Wizard

Back to Setup Menu

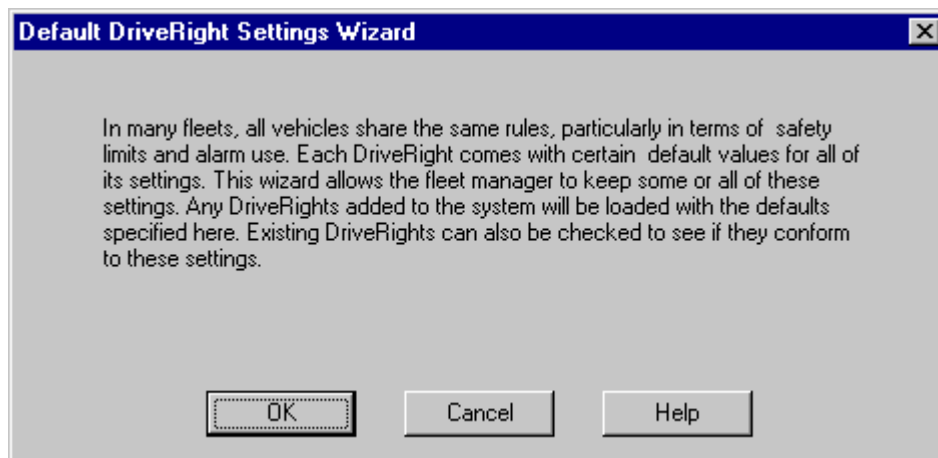
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Default DriveRight Settings Wizard

The values entered in this setup are used as default settings when you add new DriveRight devices to the database. If you click this menu option , a dialog box pops up that contains a brief description about the Default DriveRight Settings Wizard.

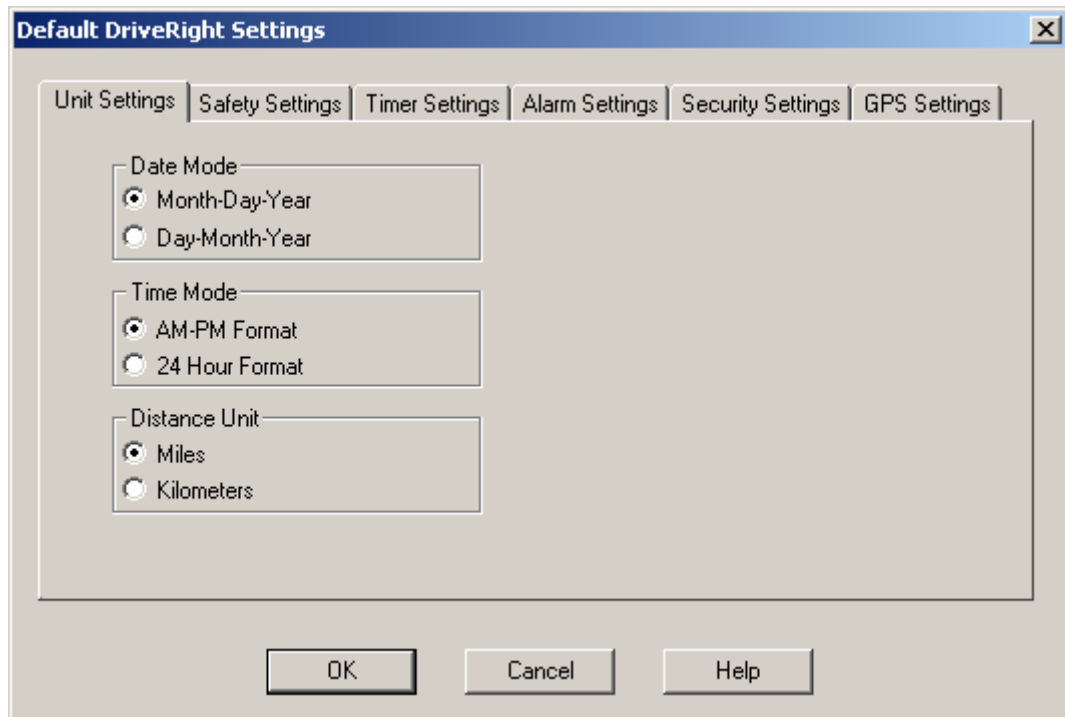
To edit the Default DriveRight Settings:

1. Select **Default DriveRight Settings** in the **Setup** Menu.
2. Select **Setup Wizard** from the list of commands. The **Default DriveRight Wizard** dialog box is displayed.



3. If you select **OK**, the Default DriveRight Settings Wizard takes you through the dialog boxes listed below:
 - Unit Settings: Select the date, time and unit modes and click OK.
 - Safety Settings: Enter the speed, acceleration and deceleration limits and click OK.
 - Timer Settings: Enter the trip stop time and driver log out time and click OK.
 - Alarm Settings: Select the alarm mode. Warn if not logged in is an option.

- **Security Settings:** Enter the security code (PIN code). Tamper indicator is an option. Disable Console Login is also an option.
 - **GPS Settings:** Create default GPS settings that can be used by all the vehicles in your fleet.
4. Once you are finished with the above five dialog boxes, a tab control dialog box appears with all the above six dialog boxes. You can navigate through them, change any of the settings, and save the settings by clicking **OK**.



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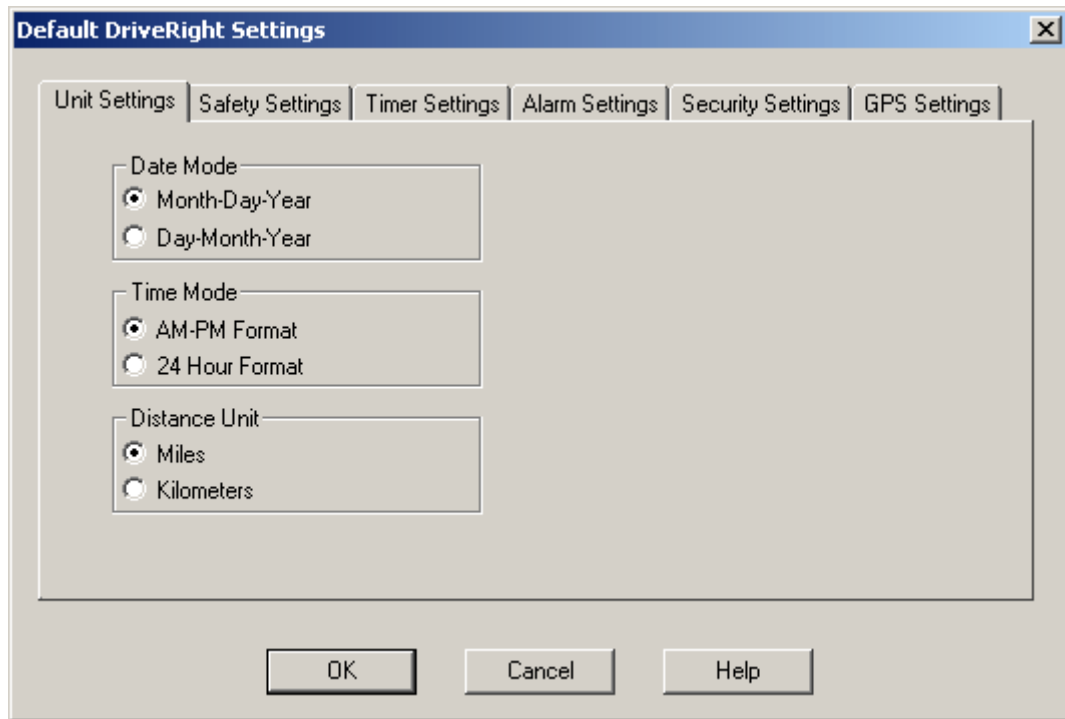
Default DriveRight Settings View/Set

Default DriveRight Settings View/Set

Use the Default DriveRight Settings View/Set command to view or edit the DriveRight FMS default DriveRight console settings..

To view or edit the Default DriveRight Settings:

1. Select Default DriveRight Settings in the **Setup** Menu.
2. Select View/Set from the list of commands. The **Default DriveRight Settings** dialog box is displayed.



3. Select a tab to view or edit the following default settings:
 - Unit Settings: Select the date, time and unit modes and click OK.
 - Safety Settings: Enter the speed, acceleration and deceleration limits and click OK.
 - Timer Settings: Enter the trip stop time and driver log out time and click OK.
 - Alarm Settings: Select the alarm mode. Warn if not logged in is an option.
 - Security Settings: Enter the security code (PIN code). Tamper indicator is an option.
 - GPS Settings: Turn the GPS logging and subsequent mapping feature on and off and select mapping features. Works only with DriveRight 600 units with GPS modules.
4. When you are finished, click OK to save any changes or click Cancel to exit without saving changes.

[Back to Setup Menu](#) | [Default DriveRight Settings Menu](#)

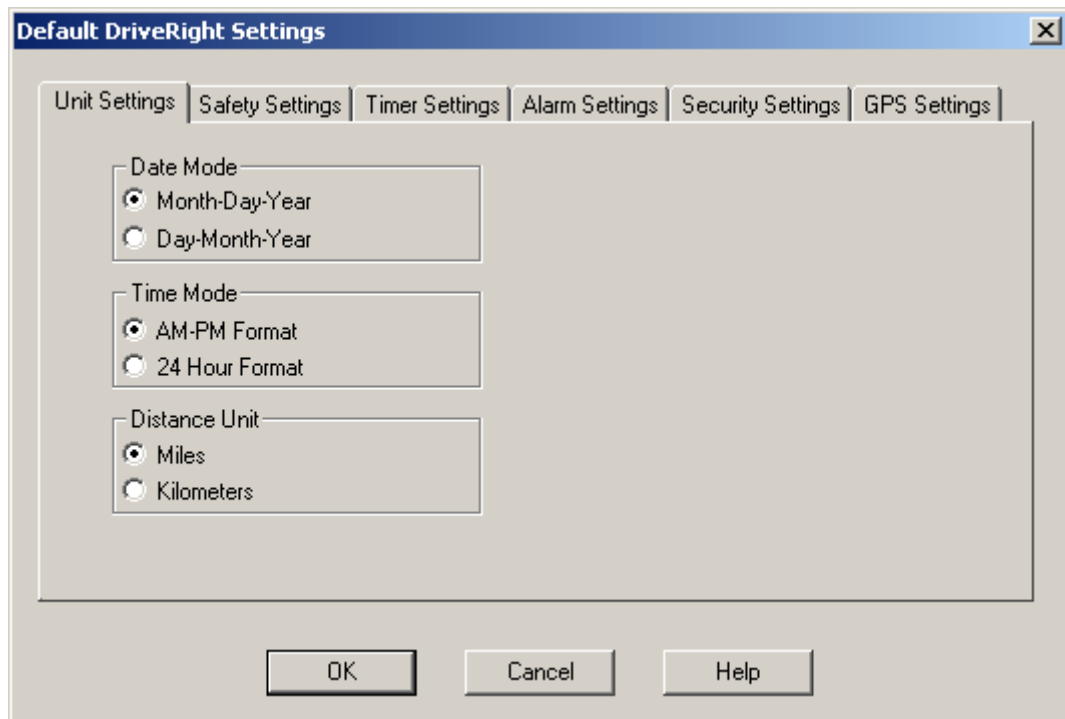
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Unit Settings

Use this command to create default unit settings that can be used by all the vehicles in your fleet.

To set default unit settings:

1. Select **View/Set** from the **Default DriveRight Settings** submenu from the **Setup** menu. The Unit Settings tab in the **Default DriveRight Settings** dialog box is displayed.



3. Edit the unit settings for your fleet.
 - o Date Mode settings control the way month, day, and year are displayed.
 - o Time Mode settings control the time of day display.
 - o Distance Unit settings allows you to select miles and miles per hour or kilometers and kilometers per hour as your speed and distance units.
4. Click **OK** to save the settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See also:

Safety Settings

Timer Settings

Alarm Settings

Security Settings

GPS Settings

[Back to Setup Menu](#) | [Default DriveRight Settings](#) | [Default DriveRight Settings - View/Set](#)

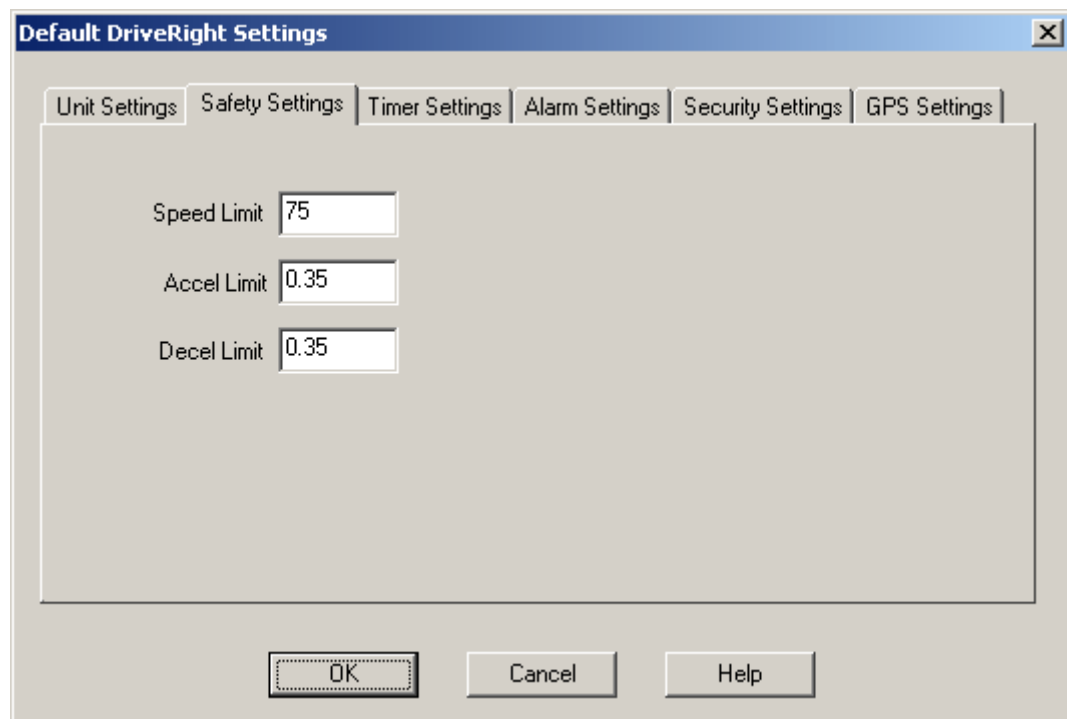
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Safety Settings

Use this command to create default DriveRight safety settings.

To set default safety settings:

1. Select **View/Set** from the **Default DriveRight Settings** submenu from the **Setup** menu. The **Default DriveRight Settings** dialog box is displayed.
2. Select the Safety Settings tab near the top of the dialog box. The safety options are displayed.



4. Set the Speed Limit, which is the maximum allowable vehicle speed.
5. Set the Accel Limit, which is the maximum allowable rate of acceleration.
6. Set the Decel Limit, which is the maximum allowable rate of deceleration.
7. Click **OK** to save the settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See also:

[Unit Settings](#)

Timer Settings

Alarm Settings

Security Settings

GPS Settings

[Back to Setup Menu](#) | [Default DriveRight Settings](#) | [Default DriveRight Settings - View/Set](#)

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Timer Settings

Use this command to create default timer settings that can be used by all the vehicles in your fleet.

To set Fleet default timer settings:

1. Select **View/Set** from the **Default DriveRight Settings** submenu from the **Setup** menu. The **Default DriveRight Settings** dialog box is displayed.
2. Select the Timer Settings tab near the top of the dialog box. The timer options are displayed.

The screenshot shows the 'Default DriveRight Settings' dialog box with the 'Timer Settings' tab selected. The dialog box has a title bar with a close button (X). Below the title bar are six tabs: 'Unit Settings', 'Safety Settings', 'Timer Settings' (which is active), 'Alarm Settings', 'Security Settings', and 'GPS Settings'. The 'Timer Settings' tab contains two sections. The first section is titled 'Stop Time' and has a label 'Trip Stop Time :', a text input field containing the number '5', and the word 'minutes'. Below this is a note: 'Note : A DriveRight will end a trip when this time has expired'. The second section is titled 'Logout Time' and has a label 'Driver ID Logout Time :', a text input field containing the number '2', and the word 'minutes'. Below this is a note: 'Note : A DriveRight will automatically log out a Driver ID when this time has expired. If the Logout Time is set to 0 minutes, then the DriveRight will never log the driver out.' At the bottom of the dialog box are three buttons: 'OK', 'Cancel', and 'Help'.

3. Set the trip stop time in minutes. The trip stop time is the number of minutes that elapse after a vehicle stops before the DriveRight stops recording trip data.

4. Set the Driver ID Logout Time in minutes. Use a logout time of "0" to never log out the driver. The Driver ID Logout Time is the number of minutes that elapse after a vehicle stops before the driver is logged out of the DriveRight.
5. Click **OK** to save the settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See also:

Unit Settings

Safety Settings

Alarm Settings

Security Settings

GPS Settings

[Back to Setup Menu](#) | [Default DriveRight Settings](#) | [Default DriveRight Settings - View/Set](#)

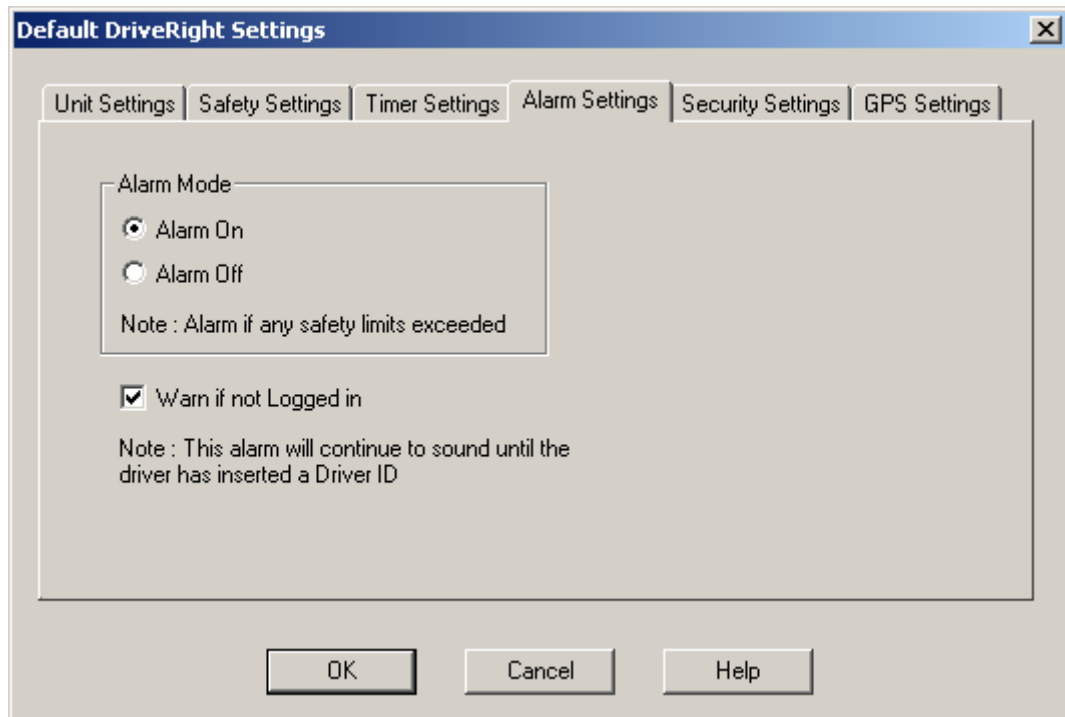
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Alarm Settings

Use this command to create default alarm settings that can be used by all the vehicles in your fleet. The alarm settings control the audible alarms used to indicate when the safety settings thresholds are exceeded.

To set default alarm settings for all DriveRight devices:

1. Select **View/Set** from the **Default DriveRight Settings** submenu in the **Setup** Menu. The **Default DriveRight Settings** dialog box is displayed.
2. Select the Alarm Settings tab near the top of the dialog box. The Alarm settings options are displayed.



4. Set the Alarm Mode to On or Off. This controls audible alarm reporting by the DriveRight device.
5. Enable "Warn if not Logged in" to have the DriveRight device give an audible alarm if the vehicle is operated without the driver first entering his or her driver code.
6. Click **OK** to save the Alarm Settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See also:

Unit Settings

Safety Settings

Timer Settings

Security Settings

GPS Settings

[Back to Setup Menu](#) | [Default DriveRight Settings](#) | [Default DriveRight Settings - View/Set](#)

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Security Settings

Use this command to create default DriveRight security settings.

To set default security settings:

1. Select **View/Set** from the **Default DriveRight Settings** submenu from the **Setup** menu. The **Default DriveRight Settings** dialog box is displayed.
2. Select the Security Settings tab near the top of the dialog box. The security options are displayed.

The screenshot shows the 'Default DriveRight Settings' dialog box with the 'Security Settings' tab selected. The dialog has a title bar with a close button. Below the title bar are six tabs: 'Unit Settings', 'Safety Settings', 'Timer Settings', 'Alarm Settings', 'Security Settings' (which is active), and 'GPS Settings'. The main content area is divided into two sections. The top section is titled 'Pin Code' and contains a text box labeled 'Security PIN Code:' with the value '0'. Below this is a note: 'Note : This code is necessary to enable a manager to set calibration and alarm settings'. The bottom section is titled 'Tamper Indicator' and contains two checkboxes. The first checkbox is labeled 'Enable tamper indicator. (600 & 600E Only)' and is currently unchecked. Below it is a note: 'Note : The tamper indicator will illuminate if this option is selected'. The second checkbox is labeled 'Disable Login on Console (600E Only)' and is also unchecked. Below it is a note: 'If this option is selected, drivers must use their SmartCards to login'. At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Help'.

3. Set the Pin Code, which is required to set the calibration and alarm settings on the DriveRight device.
4. If desired, you can enable the tamper indicator. If enabled, the tamper indicator on the DriveRight LCD screen will be displayed when a tamper event has been detected.
5. If desired, you can disable Login from the console so that a driver can log into the device using only the SmartCard. Check the **Disable Login on Console** box to disable console Login. This application is available for DriveRight 600E devices only.
6. Click **OK** to save the settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight settings.
- 7.

Unit Settings

Security Settings

Timer Settings

Alarm Settings

GPS Settings

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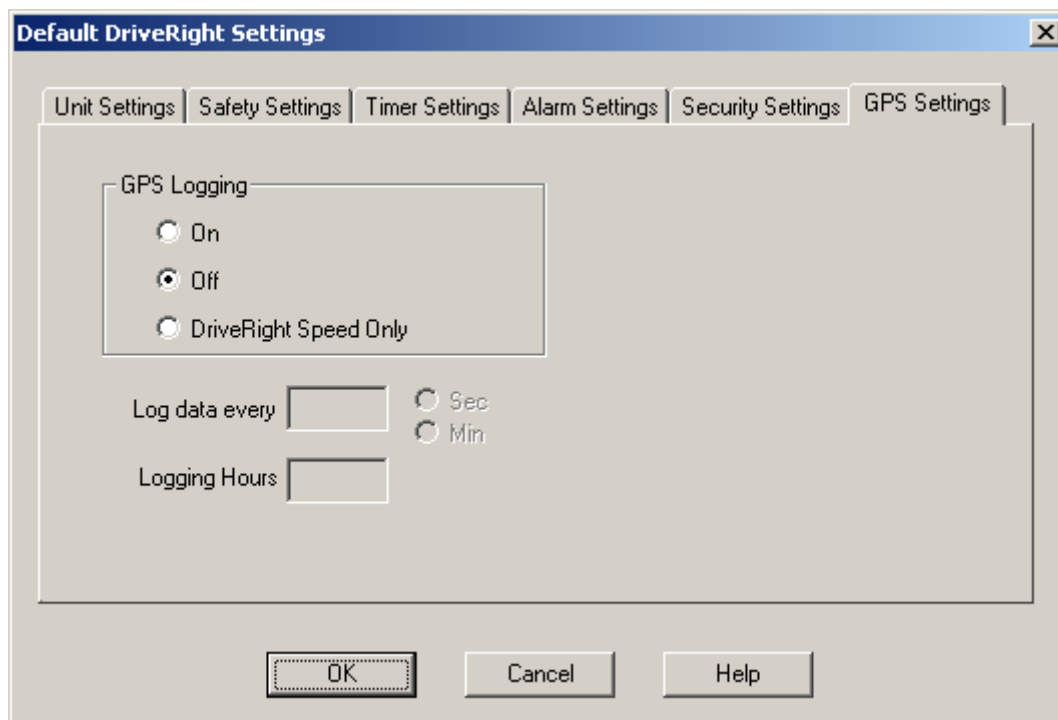
GPS Settings - Default DriveRight Settings

Use this command to create default GPS settings that can be used by all the vehicles in your fleet.

Note: Even if this feature is toggled on an off, it will only work with corresponding DriveRight 600 units with GPS modules.

To set default GPS Logging settings:

1. Select **View/Set** from the **Default DriveRight Settings** submenu from the **Setup** menu. The **Default DriveRight Settings** dialog box is displayed.
2. Select the GPS Settings tab near the top of the dialog box. The GPS options are displayed.



3. Select **On** to turn the GPS logging feature on for all the units with a GPS module. Select **Off** to turn off the GPS feature for all DriveRight Devices. Select **DriveRight Speed Only** to log and track only the DriveRight Speed. This feature logs and tracks only the DriveRight speed for DriveRight 600 devices that are not assembled with a GPS module.
4. If On or the DriveRight Speed only button has been selected, select the Logging interval time and corresponding time unit in the **Log Data Every** text field. The amount of logging hours this used for this feature are displayed in **Logging Hours**.
5. Click **OK** to save the settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See Also:

[Unit Settings](#)

Safety Settings

Timer Settings

Alarm Settings

Security Settings

[Back to Setup Menu](#) | [Default DriveRight Settings](#) | [Default DriveRight Settings - View/Set](#)

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Default CarChip Settings

Use the Default CarChip Settings command to view or edit the DriveRight FMS defaults for the CarChip device settings..

To view or edit the Default CarChip Settings:

1. Select **Default CarChip Settings** in the **Setup** Menu. The **Default CarChip Settings** dialog box is displayed.

CarChip Device Settings

Identification

Company Location: NV

CarChip ID: 1

Serial Number: J-7077-C

☒ Vehicle ID: 2

☐ Driver Name: Jane Smith

Hard Braking

Hard Braking Threshold: 0.34 G (Decel Limit)

Extreme Braking Threshold: 0.51 G

Acceleration

Hard Acceleration Threshold: 0.28 G (Accel Limit)

Extreme Acceleration Threshold: 0.48 G

Speed Bands

| | From (miles/hr) | To (miles/hr) |
|--------------|-----------------|------------------|
| Speed Band 1 | 0 | 45 |
| Speed Band 2 | 45 | 60 |
| Speed Band 3 | 60 | 75 (Speed Limit) |
| Speed Band 4 | 75 | |

Choose Parameters

| | Name | Interval |
|-------------|---------------------|------------|
| Parameter 1 | Vehicle Speed | 1 Seconds |
| Parameter 2 | Engine Speed | 5 Seconds |
| Parameter 3 | Coolant Temperature | 10 Seconds |
| Parameter 4 | | Seconds |
| Parameter 5 | | Seconds |

Misc Settings

Alarm Status: ☒ Enable ☐ Disable

LED Status: ☒ Enable ☐ Disable

Buttons: Set, Close, Help, Defaults

2. You can edit the settings for Hard Braking, Acceleration, Speed Bands, and Engine Parameters.
 - The CarChip settings for Hard Braking Threshold, Hard Acceleration Threshold, and Speed Band 3 are equivalent to the DriveRight settings for Decel Limit, Accel Limit, and Speed Limit.

- Set the Hard Braking Threshold to equal the Decel Limit used by DriveRight Devices.
 - Set the Hard Acceleration Threshold to equal the Accel Limit used by DriveRight Devices.
 - Set Speed Band 3 to equal the Speed Limit used by DriveRight Devices.
3. When you are finished, click **OK** to save any changes or click **Cancel** to exit without saving changes.

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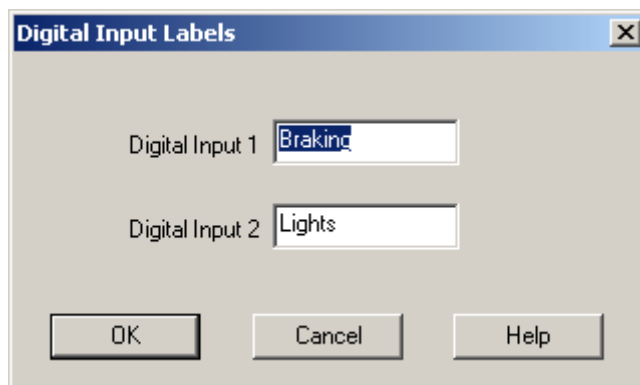
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Digital Input labels

You can identify the two digital inputs signals available on a DriveRight 600 using this dialog box. Digital inputs are any variable from the vehicle that produces a high and a low voltage input. The DriveRight device records these high and low voltage differences for the inputs that you select. These digital inputs get incorporated into various database displays and reports throughout the software, such as the Accident Log Report, the Trip Database and the GPS database.

To change the digital input labels:

1. Click **Digital Input Labels** in the **Setup** menu. The **Digital Input Labels** dialog box is displayed.



2. Edit the labels used for digital input 1 and digital input 2. The following is a list of possible labels used as digital inputs:

- **Seat belts**
- **Headlights**
- **Braking**
- **Lights**

- **Windshield wipers**

Note: Depending on the selected digital input, extra setup between the DriveRight and the vehicle may need to happen to monitor these digital inputs correctly. For Example: To make "Seat belts" a digital input, locate a wire bundle underneath the driver's set, pick a wire from the bundle and test it's voltage during buckling and unbuckling. Do this until you find the wire that goes from 0 to 12 volts when buckling and unbuckling and connect it to the green wire of the adapter cable supplied with the DriveRight. Connecting other aspects of your vehicle to be monitored by the DriveRight system varies.

3. Click **OK** to save the changes or click Cancel to exit without saving the changes.

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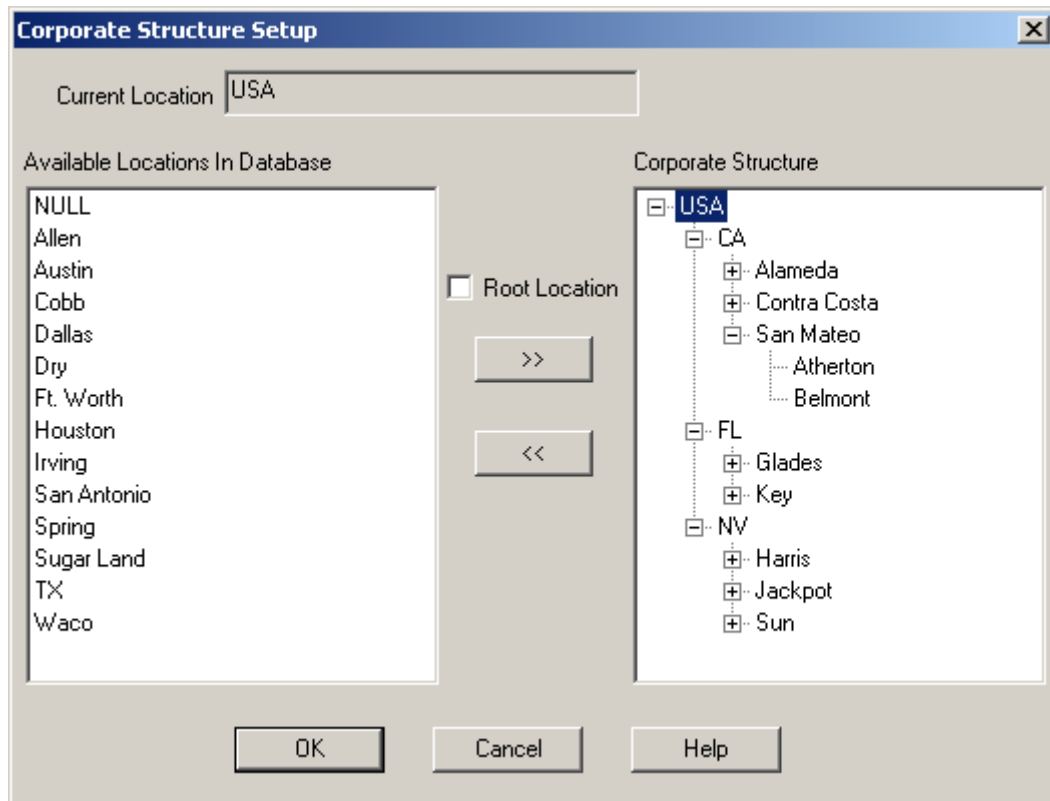
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Corporate Structure

The Corporate Structure dialog box allows you to set up reporting structure for all the locations listed in a database. The resulting location structure can be used as a tool for displaying the Driver Safety Score Report, breaking up driver and fleet information based on locations and the reporting structure.

To create and edit the corporate reporting structure:

1. Select **Corporate Structure** from the **Setup** menu. The **Corporate Structure** dialog box is displayed.



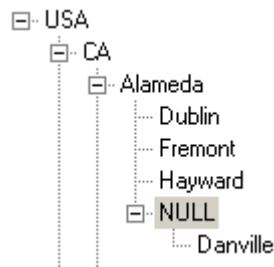
2. Use the location combo boxes to create or edit the corporate location structure. Select a location from the **Available Locations in Database** box and click the **>>** button to move the Location to into the **Corporate Structure** box.

If a selected location is a root location, meaning it is as the top of the corporate structure, Select the **Root Location** check box.

To assign a location under a location, highlight the location with a higher hierarchical title in the **Corporate Structure** box, select a location from the **Available Locations In Database** box and click the **>>** button. The selected location displays underneath the highlighted location.

To remove a location, or hierarchy of locations, select a location and click the **<<** button. This removes the location from the corporate structure.

If there are gaps or unknown reporting structures in certain structure hierarchies, the NULL location may be used. For example, if a location reports indirectly, or through unknown paths to higher hierarchical location, the NULL location can be used to signify the unknown path or location.



3. Complete your corporate structure and click **OK** to save the corporate information, or **Cancel** to exit without saving the information.

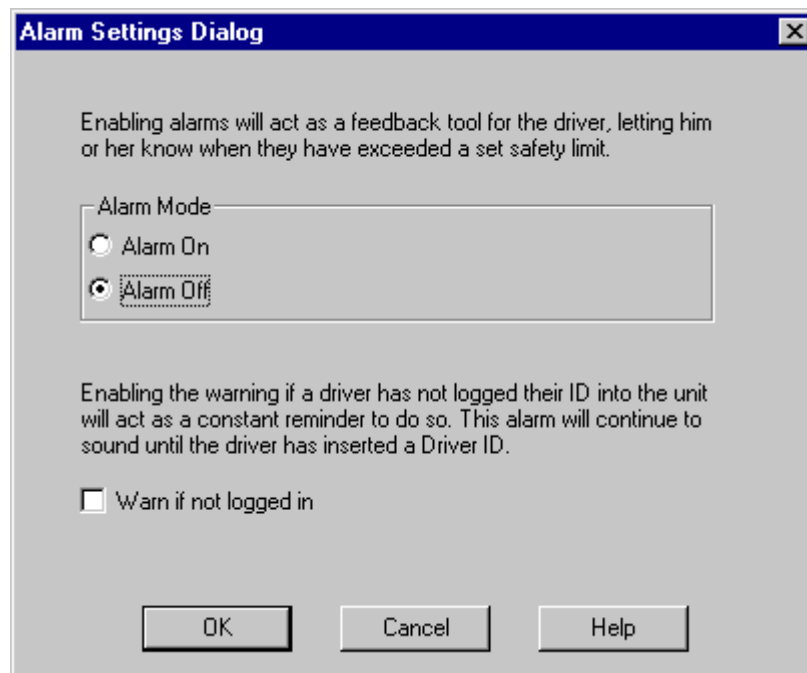
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Miscellaneous Setup Menu Information

Alarm Settings

The Alarm Settings stand-alone dialog box is opened by using the Setup Wizard in the Default DriveRight Settings submenu located under the Setup Menu. Use this dialog box to change default alarm settings for DriveRight devices.



1. Edit the default alarm settings as desired:
 - o Set the Alarm Mode to On or Off. This controls audible alarm reporting by the DriveRight device.

- Enable "Warn if not Logged in" to have the DriveRight device give an audible alarm if the vehicle is operated without the driver first entering his or her driver code.
2. Click **OK** to select the alarm settings and move on to the next dialog box, or click **Cancel** to exit the Default DriveRight Settings Wizard.

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Background Color

The Background Color Dialog box allows you to change the display for all the database information that can be displayed under the Database menu. Use the Background Color command to change the background color for the database browser windows.

To edit the browser window background color:

1. Choose **Background Color** from the **Database Browser** command in the **Preferences** command in the **Setup** menu.

The Color dialog box appears.



2. Select the desired background color settings.
3. Choose **OK** when you are satisfied with the settings, choose **Cancel** to exit without changing the settings.

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Background Color

The Background Color Dialog box allows you to change the display for all the database information that can be displayed under the Database menu. Use the Background Color command to change the background color for the database browser windows.

To edit the browser window background color:

1. Choose **Background Color** from the **Database Browser** command in the **Preferences** command in the **Setup** menu.

The Color dialog box appears.



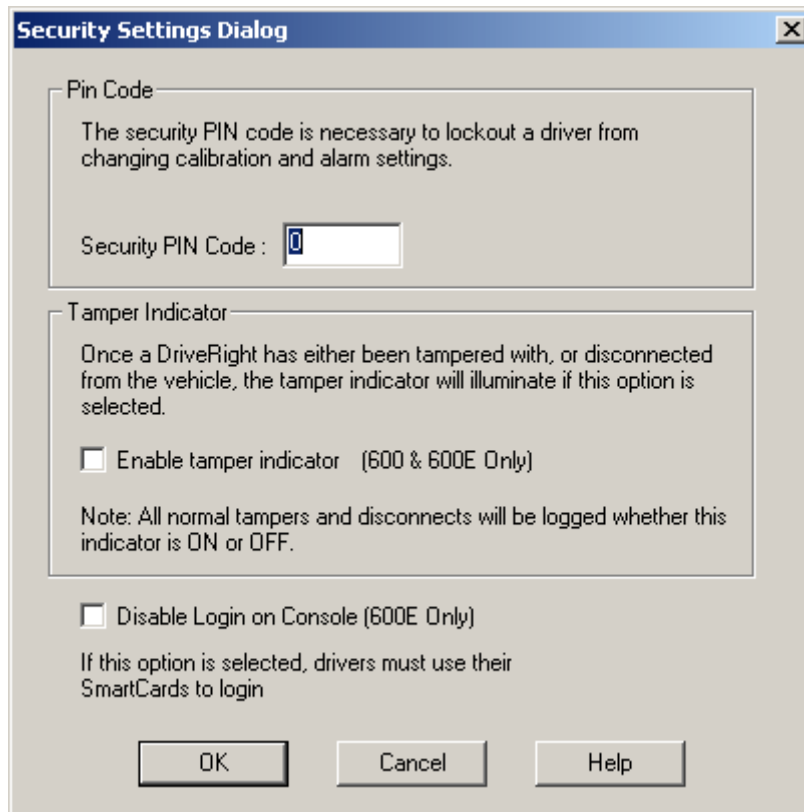
2. Select the desired background color settings.
3. Choose **OK** when you are satisfied with the settings, choose **Cancel** to exit without changing the settings.

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Security Settings

Use this Security Settings dialog box as part of Default DriveRight Settings Wizard in the **Setup** Menu to change default security settings for DriveRight devices.



1. Set the **Pin Code**, which is required to set the calibration and alarm settings on the DriveRight device.
2. If desired, you can enable the tamper indicator. If enabled, the tamper indicator on the DriveRight LCD screen will be displayed when a tamper event has been detected.
3. If desired, you can disable Login from the console so that a driver can log into the device using only the SmartCard. Check the **Disable Login on Console** box to disable console Login. This application is available for DriveRight 600E devices only.
4. Click **OK** to select the security settings and move on to the next dialog box, or click **Cancel** to exit the Default DriveRight Settings Wizard.

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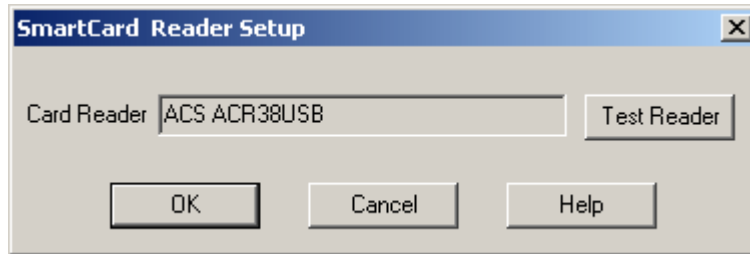
SmartCard Reader

The **SmartCard Reader** dialog box lets you test the SmartCard Desktop Reader used to read, download and setup the SmartCards used as part of the DriveRight system for transferring data from the DriveRight back your computer.

Note: In order to setup up and test your SmartCard reader, you must install the necessary drivers included with the DriveRight FMS software first. See the *FMS Getting Started Guide* for more information.

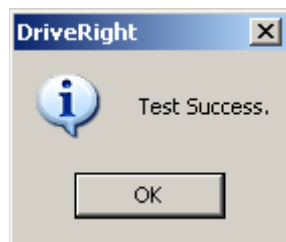
To test your SmartCard Desktop Reader device:

1. Connect your SmartCard Desktop Reader to your computer and insert a SmartCard into the SmartCard Desktop Reader.
2. Select SmartCard Reader from the **Setup** menu. The **SmartCard Reader Setup** dialog box is displayed.



If the SmartCard Driver is installed properly, "ACS ACR38USB" displays in the **Card Reader** text box.

3. Click **Test Reader** to verify that the SmartCard Reader is successfully reading and transmitting the data back to your computer. If the test is successful, the following dialog box is displayed.



4. Click **OK** and click **OK** again in the **SmartCard Reader Setup** dialog box to accept the reader settings.

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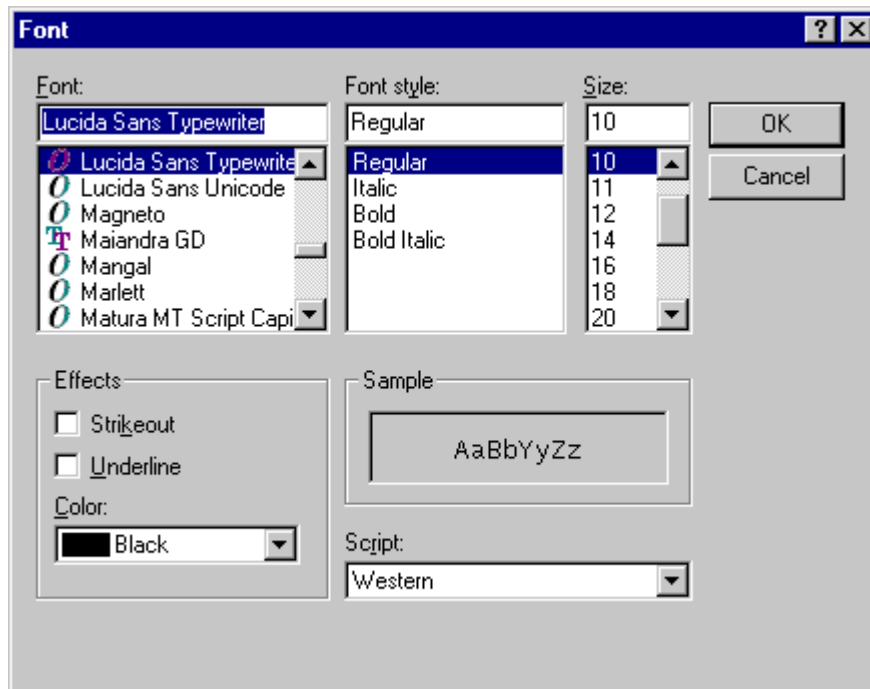
Text Font and Color

Use this command to change the font and color used to display data in browse windows.

To edit the text font and color:

1. Choose **Text Font and Color** from the **Database Browser** command in the **Preferences** command in the **Setup** menu.

The Text Font and Color dialog box appears.



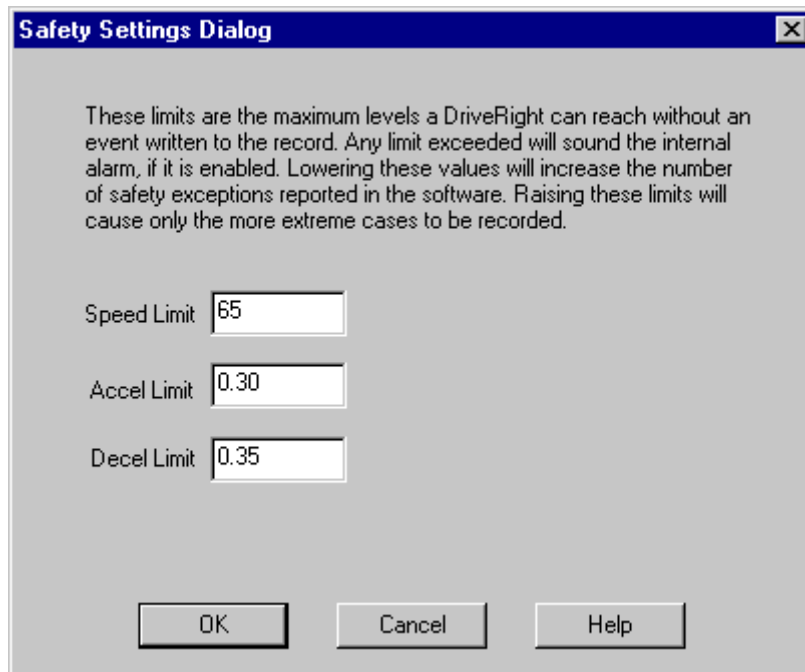
2. Select the desired font and color settings.
3. Choose **OK** when you are satisfied with the settings, choose **Cancel** to exit without changing the settings.

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Safety Settings

Use this dialog box to change default safety settings for DriveRight devices.



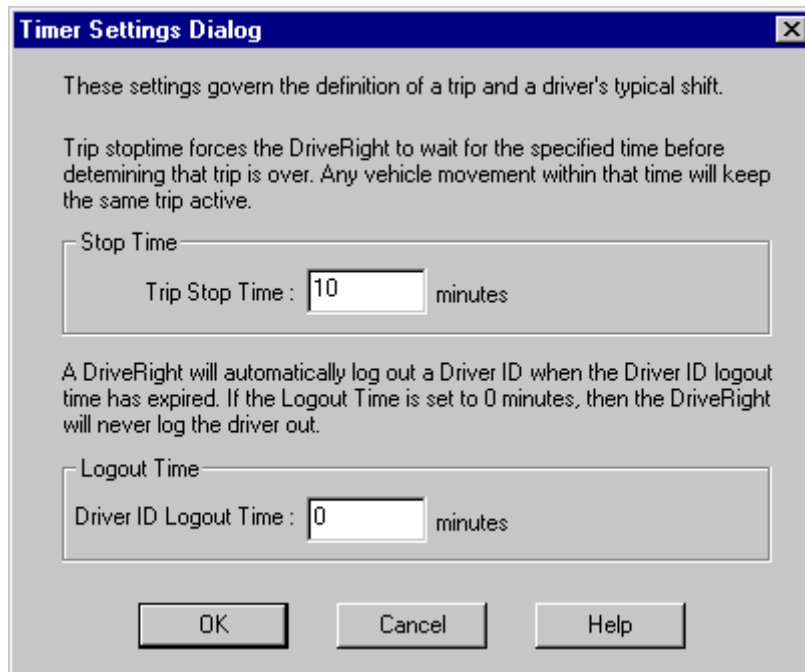
1. Edit the default safety settings as desired:
 - Set the Speed Limit, which is the maximum allowable vehicle speed.
 - Set the Accel Limit, which is the maximum allowable rate of acceleration.
 - Set the Decel Limit, which is the maximum allowable rate of deceleration.
2. Click **OK** to select the safety settings and move on to the next dialog box, or click **Cancel** to exit the Default DriveRight Settings Wizard.

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Timer Settings

Use this dialog box to change default timer settings for DriveRight devices.



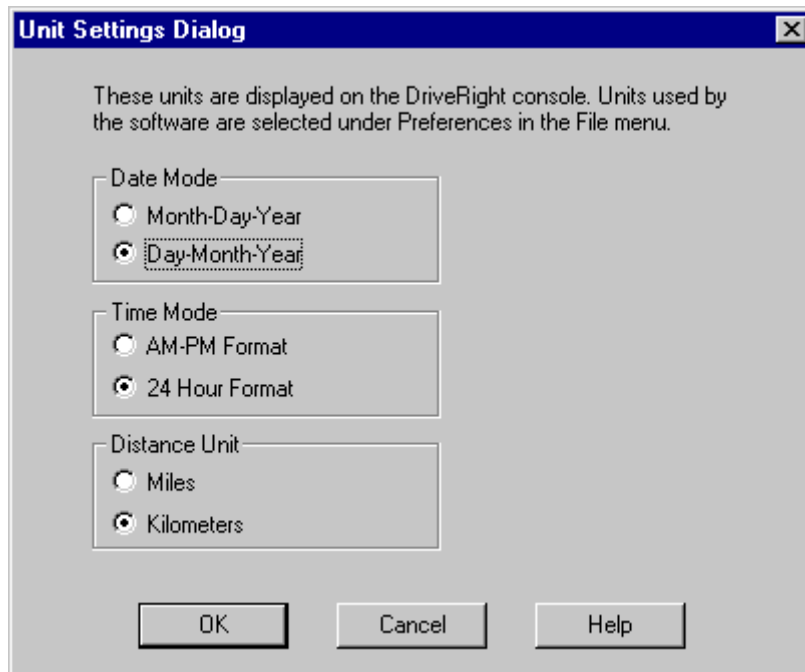
1. Edit the default timer settings as desired:
 - Set the trip stop time in minutes. The trip stop time is the number of minutes that elapse after a vehicle stops before the DriveRight stops recording trip data.
 - Set the Driver ID Logout Time in minutes. Use a logout time of "0" to never log out the driver. The Driver ID Logout Time is the number of minutes that elapse after a vehicle stops before the driver is logged out of the DriveRight.
2. Click OK to select the timer settings and move on to the next dialog box, or click Cancel to exit the Default DriveRight Settings Wizard.

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Default Unit Settings

Use this dialog box to change default unit settings for DriveRight devices. This Unit Settings stand-alone dialog box is the first dialog box to display when you select Setup Wizard from the Default DriveRight Settings in the Setup menu.



1. Edit the default unit settings as desired:
 - Date Mode settings control the way month, day, and year are displayed.
 - Time Mode settings control the time of day display.
 - Distance Unit settings allows you to select miles and miles per hour or kilometers and kilometers per hour as your speed and distance units.
2. Click OK to select the unit settings and move on to the next dialog box, or click Cancel to exit the Default DriveRight Settings Wizard.

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Users: Add New

When you add a new user to DriveRight FMS, you assign the user name, password, and access privileges.

Note: When adding the first user to the database, the first user is automatically a super user.

To add a new user:

1. Select **Browse/Add Users** from the **Users** sub-menu in the **Setup** Menu. The Users database table is displayed.
2. Click **Add New** located in the lower left corner of the window. The **Add New User** dialog box is displayed.

Add New User

User Name : Harry

Password : xxxxxx

User Type
☒ Normal User ☐ Super User

DriveRight/CarChip/SmartCard Access
☐ No Access
☒ Download / Read Only
☐ Full Access

Application Options
☒ Backup
☐ Restore
☐ Import
☒ Export
☐ Application Preferences
☐ Set Current Location
☒ Maintenance
☐ Reports
☐ Mapping

Database Table Access

| | | | | | |
|-------------------|-------------|----------------|-------------|----------------|-------------|
| Company Locations | Browse Only | Vehicles | Browse Only | Days | Browse Only |
| DriveRights | No Access | Trips | Browse Only | Download Dates | Browse Only |
| Driver Groups | Browse Only | Accident Logs | Browse Only | GPS | Full Access |
| Drivers | Browse Only | Tamper Logs | Browse Only | Odometer Logs | Browse Only |
| Fleets | Browse Only | Trip Addresses | Browse Only | Safety Score | Browse Only |

OK Cancel Help All Rights Clear Rights

When the first user is added, that user automatically becomes a Super User and the **Add Super User** dialog box is displayed, giving the new user full access to FMS.

3. Enter the **User Name** and **Password**. The password is case sensitive and should be 4 to 12 characters long.

4. Configure the desired access privileges for the new user.

The **User Type** allows you to make the new user a Normal User or a Super User.

The **DriveRight/CarChip/SmartCard Access Options** allow you to limit a user's access to DriveRight, CarChip, and SmartCard.

The **Application Options** allow you to limit a user's access to individual program functions.

The **Database Table Access Options** allow you to limit a user's access to the DriveRight database.

5. Click **All Rights** to grant all privileges to the new user. You can then selectively remove unwanted privileges from the new user before adding the user to the database.

6. Click **Clear Rights** to remove all privileges from the new user. You can then selectively add desired privileges to the user before adding the user to the database.

7. Click **Add** to add the new user or click **Cancel** to exit without adding the user.

See also:

Users: Browse/Add Users

Users: Edit

[Back to Setup Menu](#) | [Users Menu](#)

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DriveRight Menu

DriveRight Menu

Use DriveRight Menu commands for functions that require direct communications with the DriveRight console.

Note: The DriveRight must be connected to your computer with the LCD display on and in the CURRENT mode in order to access the DriveRight Menu commands.

The following DriveRight Menu commands are available:

- Add New DriveRight
- DriveRight Settings
- Download DriveRight
- Download Palm
- Read Accident Log
- Read Tamper Log
- Set Time and Date
- Set Odometer
- Set Service Alarms
- Set Drivers List
- Clear DriveRight

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Add DriveRight Wizard

DriveRight FMS includes an Add DriveRight Wizard to simplify adding DriveRight devices, Vehicles, and Drivers to the database.

To add a new DriveRight device:

1. Select **Add New DriveRight** from the **DriveRight** Menu. The Add DriveRight Wizard - Start dialog box is displayed.

Note: The new DriveRight device must be connected to your computer and be turned on before you can add it to the DriveRight FMS database.



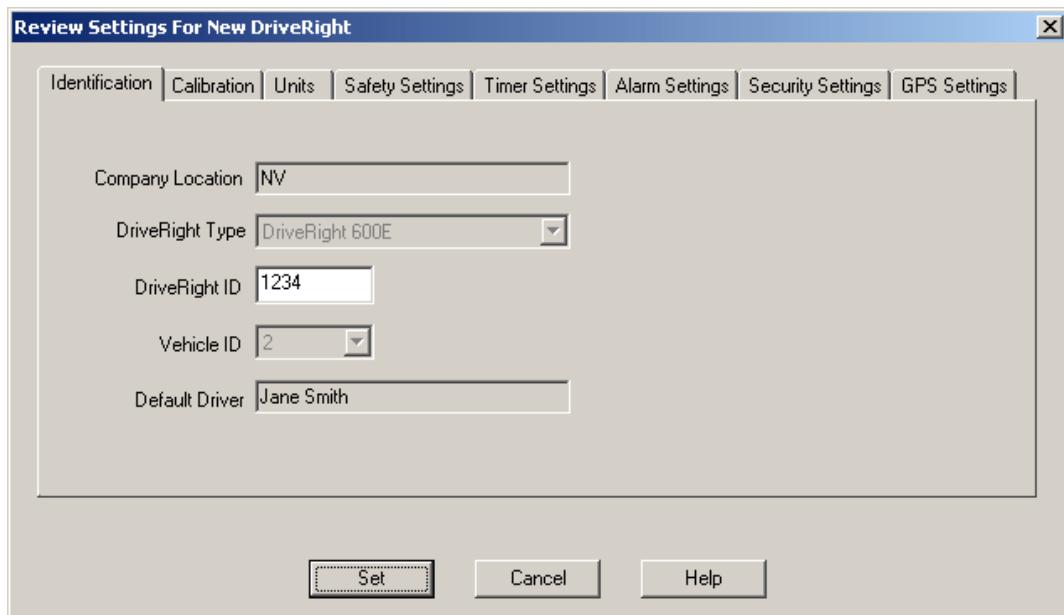
2. Click **Next** to continue or click **Cancel** to exit the Add DriveRight Wizard.
 - If you click Next, the Add DriveRight Wizard - DriveRight ID dialog box is displayed.



3. Click **Next** to continue or click **Cancel** to exit the Add DriveRight Wizard.
 - If you click Next, the Add DriveRight - Assign to Vehicle dialog box is displayed.



4. Click **OK** to continue, or click **Cancel** to exit the Add DriveRight Wizard.
5. If you click **OK**, the **Add DriveRight Settings** dialog box is displayed. The Add DriveRight Settings Dialog allows you to review all of the settings for the new DriveRight, including those settings that are set by the DriveRight defaults.



6. When you are satisfied it is set up correctly, select **Set** to save the settings. Select **Cancel** to exit the setup dialog and abandon the DriveRight settings.

Note: If you cancel the setup, you will lose the DriveRight settings but any vehicles or drivers you added to the database will remain.

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DriveRight Settings

The following commands allow you to view and or change the settings on a DriveRight device:

View/Set

Restore

Setup GPS

Verify DriveRight Calibration

[Back to DriveRight Menu](#)

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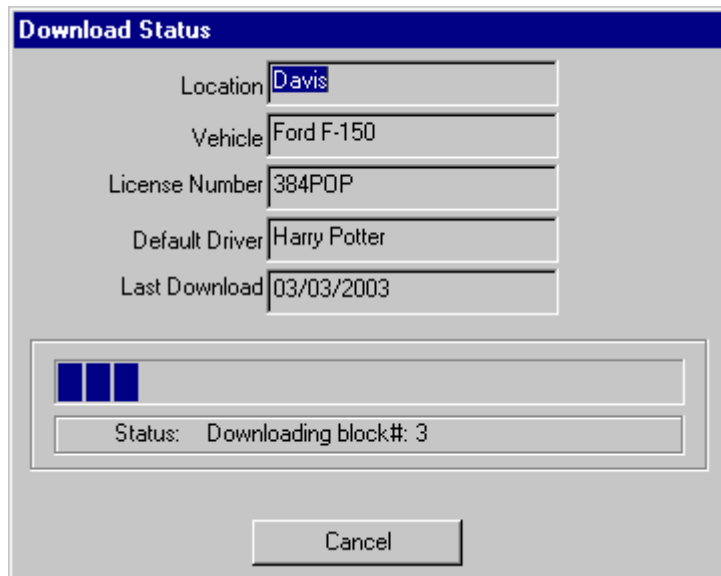
Download DriveRight

The Download DriveRight command transfers trip data from the connected DriveRight device to the DriveRight database.

To download your DriveRight:

1. Connect your DriveRight console to your computer and make sure the DriveRight is "awake". Press the MODE key if there is nothing on the LCD display.
2. Select **Download DriveRight** in the **DriveRight** Menu. The following **Download Status** box is displayed:

Note: You will see the **Cancel** button only if you are downloading a DriveRight 600.



Download Status

Location:

Vehicle:

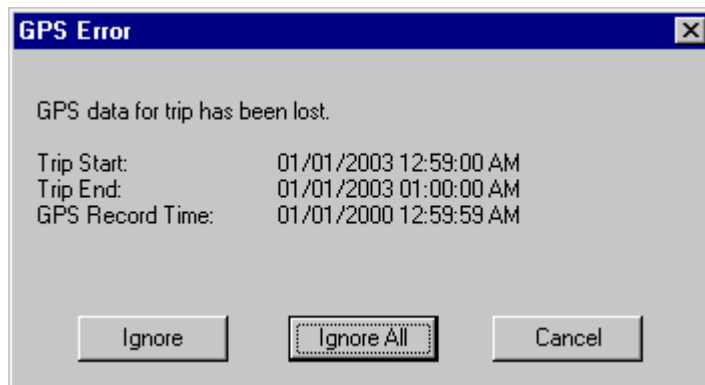
License Number:

Default Driver:

Last Download:

Status:

3. You may lose GPS data for earlier trips if the DriveRight console is not downloaded for an extended period of time. In this case you will see a warning message similar to this:

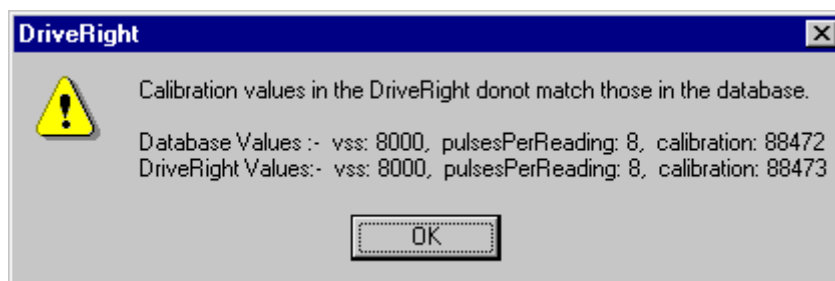


GPS Error


GPS data for trip has been lost.

Trip Start: 01/01/2003 12:59:00 AM
 Trip End: 01/01/2003 01:00:00 AM
 GPS Record Time: 01/01/2000 12:59:59 AM

4. If the calibration in the DriveRight console does not match the calibration in the database, you will see a warning message similar to this:



DriveRight

 Calibration values in the DriveRight donot match those in the database.

Database Values :- vss: 8000, pulsesPerReading: 8, calibration: 88472
 DriveRight Values:- vss: 8000, pulsesPerReading: 8, calibration: 88473

5. When the data has finished downloading the following dialog box is displayed:



6. Press **Enter** or click **OK** to continue.

See also:

Downloading DriveRight Guidelines

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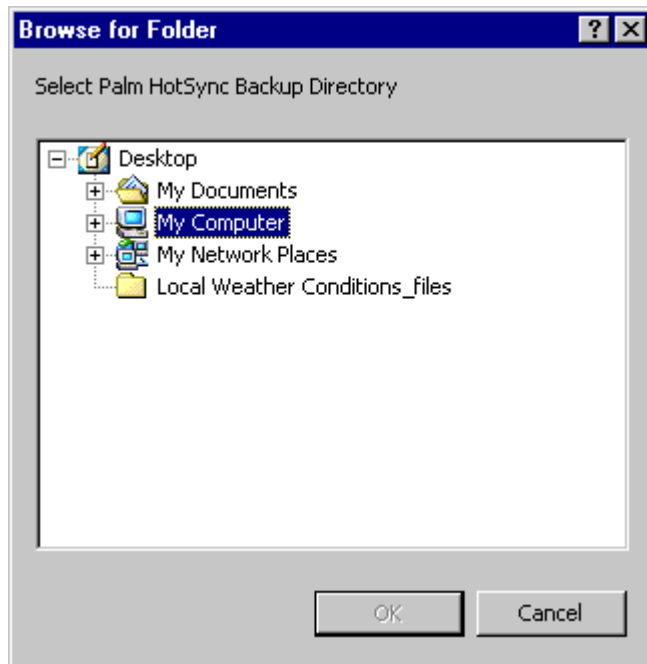
Download Palm

Versions of DriveRight FMS 3.0 and later offer a feature to download data from multiple DriveRight devices from a Palm device. You will need the DriveRight Palm Download Kit, #8181, in order to use this command.

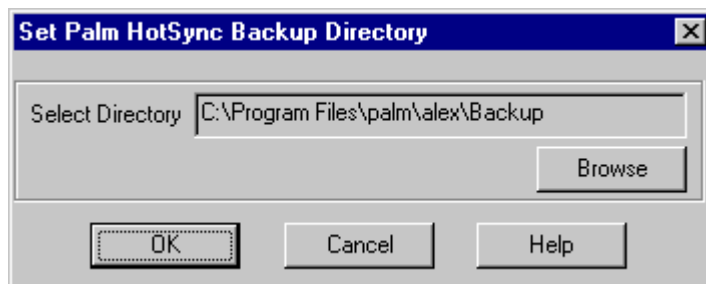
Note: To download a DriveRight console data into the software using Palm Download, the DriveRight should be present in the database. If you try to download a DriveRight which is not present in the database, you will get an error message.

To download your Palm:

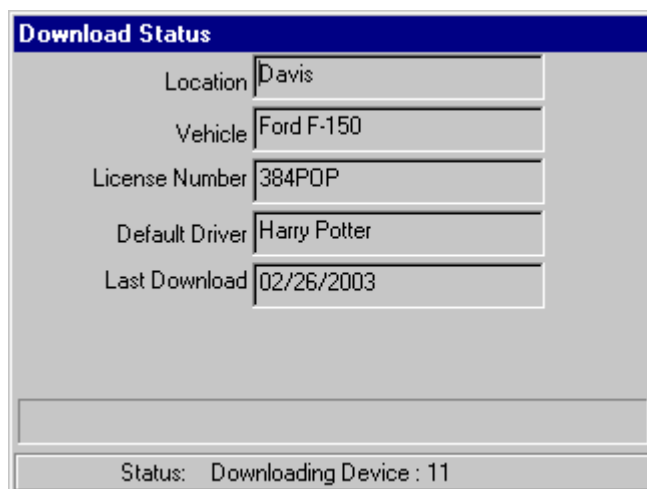
1. Select **Download Palm** in the **DriveRight** Menu.
2. The first time you download a Palm, the following dialog box is displayed. Select the directory which contains your Palm backup databases and click **OK**.



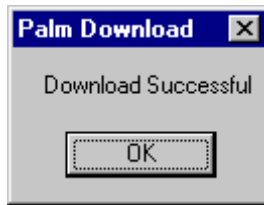
3. Each time after the first time, when you use the Download Palm command, the following dialog box appears showing the selected Palm backup directory.



4. Click **Browse** to select a different backup directory, click **OK** to use this displayed directory, or click **Cancel** to exit.
5. If you click **OK**, the **Download Status** dialog box is displayed.



6. When the data has finished downloading the Palm Download, **Download Successful** dialog box is displayed:



7. Click **OK** to continue.

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Read Accident Log

The Read Accident Log command will download accident log data from the connected DriveRight device, convert it to a text file, and display it using MS Notepad.

To read the accident log:

1. Select **Read Accident Log** in the **DriveRight** Menu. The accident log is displayed.

See also:

[Accident Log](#)

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Read Tamper Log

The Read Tamper Log command will download Tamper Log data from the connected DriveRight device, convert it to a text file, and display it using MS Notepad. The Tamper Log holds the times and dates when the driver disconnected the DriveRight or tried to change the DriveRight Settings.

Note: There must be a Settings PIN-Code in the unit to enable the logging of disconnect times.

To read the tamper log:

1. Select **Read Tamper Log** in the **DriveRight** Menu. The tamper log is displayed.

See also:

Tamper Log

Back to DriveRight Menu

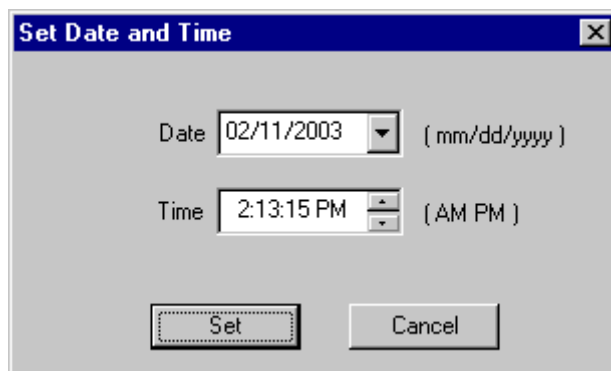
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Set Time and Date

Use this command to set the time and date on a DriveRight device.

To set the time and date on a DriveRight:

1. Select **Set Time and Date** from the **DriveRight** Menu. The **Set Time and Date** dialog box is displayed.



The dialog box titled "Set Date and Time" contains two input fields. The "Date" field shows "02/11/2003" with a dropdown arrow and the format "(mm/dd/yyyy)". The "Time" field shows "2:13:15 PM" with up/down arrows and the format "(AM PM)". At the bottom are "Set" and "Cancel" buttons.

2. Set the Date by either clicking the month, day or year in the edit box and entering the new information, or by clicking on the down arrow and selecting the date from the drop-down calendar.



A drop-down calendar for April 2003. The header shows "April, 2003" with left and right navigation arrows. The calendar grid shows days of the week (Sun-Sat) and dates. The date 11 is highlighted with a blue oval. Below the grid, a red circle highlights the text "Today: 2/11/2003".

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| 30 | 31 | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Today: 2/11/2003

3. Set the time by clicking on the hour, minute or second in the edit box and entering the new time. You can also adjust the time settings up and down using the up and down arrows in the edit box.
4. Click **Set** to change the time and date on the DriveRight unit or click **Cancel** to exit the dialog box without changing the settings.

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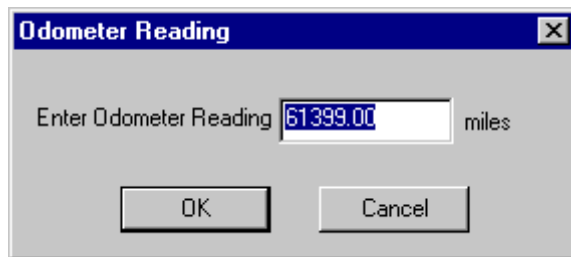
Set Odometer

Use this command to set the vehicle odometer reading in a DriveRight device.

Note: The Odometer can not be set for DriveRight 600E devices. An error displays if Set Odometer is selected when a DriveRight 600E device is connected to the computer.

To set the odometer in a DriveRight:

1. Select **Set Odometer** from the DriveRight Menu. The **Set Odometer** dialog box is displayed showing the current odometer reading.



2. You can now edit the vehicle's odometer reading.
3. Click on **OK** to update the odometer reading on the DriveRight unit or click on **Cancel** to exit the dialog box without changing the settings.

Note: When you set the odometer DriveRight FMS updates the current odometer value of the vehicle assigned to this DriveRight and also adds a new entry in the Odometer Logs Table.

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Set Service Alarms

Note: Available for the DriveRight Trip 500 AL only.

Each vehicle needs a service check from time to time. With the Set Service Alarms option you can specify the Odometer Readings on which the vehicle should go in for service. After defining a Service Schedule you can assign it to a vehicle and load it into the DriveRight Trip 500AL using

the Set Service Alarms command in the DriveRight menu. As soon as any defined odometer readings are reached, a warning signal is activated in the vehicle indicating the driver to bring his vehicle in for a service check, or call his service center for an appointment.

To set a service alarm:

1. Select **Set Service Alarms** from the **DriveRight** Menu. The **Set Service Alarms** dialog box is displayed.

| Odometer Alarms | Serviced On |
|-----------------|-------------|
| 4000 | ---- |
| 12000 | ---- |
| 48000 | ---- |

2. Enter the odometer reading for a service alarm.
3. Click **Add>>** to add the service alarm for that odometer reading.
4. Click on an odometer reading to highlight it, then click **Delete** to remove a specific service alarm.
5. Click **Clear All** to remove all service alarms.
6. Click **Set to Device** to update the service alarm settings on the DriveRight unit or click on **Cancel** to exit the dialog box without changing the settings.

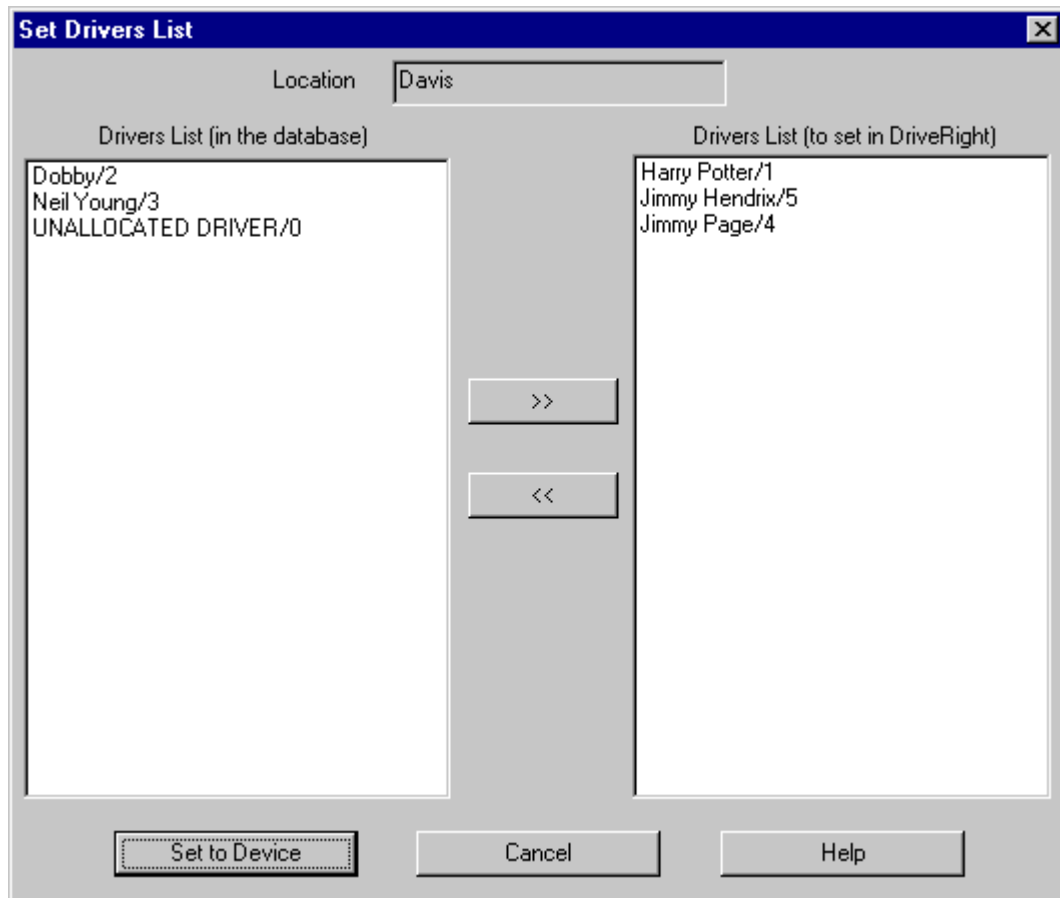
Back to DriveRight Menu

Set Drivers List

The DriveRight 600 or later device provides a security feature which lets the operator set up to 100 drivers' codes into the device to have access.

To set the drivers list:

1. Select **Set Drivers List** from the **DriveRight** Menu. The **Set Drivers List** dialog box is displayed. Drivers already assigned to this DriveRight are displayed in the right column. Drivers not assigned to this DriveRight are displayed in the left column.



2. Click on a driver's name to select the driver, then click on the right arrows >> to move the driver to the **to set in DriveRight** list.
3. To remove a driver from the **to set in DriveRight** list, click on a driver's name to select the driver, then click on the left arrows << to move the driver off the DriveRight list.
4. Click **Set to Device** to update the drivers list on the DriveRight unit or click **Cancel** to exit the dialog box without changing the drivers list.
5. If you click **Set to Device**, the following dialog box displays if the action is successful. Click **OK** or press **Enter** to continue.



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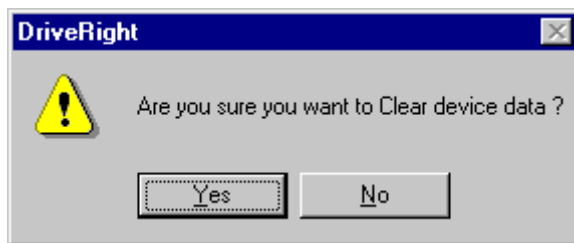
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Clear DriveRight

The Clear DriveRight command clears all trip data in the connected DriveRight.

To Clear your DriveRight:

1. Select **Clear DriveRight** in the **DriveRight** Menu. The following **DriveRight** dialog box is displayed:



2. Click **Yes** to clear the DriveRight device, click **No** to cancel the command.

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DriveRight Menu Information

Accident Log

The Accident Log consists of the following:

- A log report of the last 10 seconds (20 seconds for the DriveRight Trip 500AL and DriveRight 600, and DriveRight 600E) prior to a deceleration violation, whereby the actual speed of the vehicle during each of these prior seconds is indicated. Date and time of the occurrence are also logged. This information will be retained until another deceleration violation occurs in the 130AL and Trip Computer, since they store only one Accident Log.

The Trip 500AL will hold the last 5 of these events. The DriveRight 600 and 600E will hold the last 10 of these events.

- The DriveRight device also retains the information on the last 10 seconds of speed before the last stop in the 130AL and Trip Computer, and last 20 seconds in the Trip 500AL. Every time the vehicle stops, the data in this section is renewed.
- The DriveRight 600 and 600E will also store information for the 20 seconds after the violation.

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Add DriveRight Wizard - Assign to Vehicle

You must assign the DriveRight when you are adding it to the database.

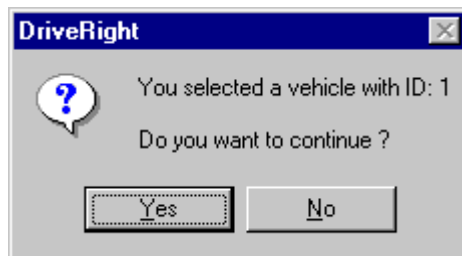
Assign DriveRight to Vehicle Guidelines:

- Both the default vehicle and driver must be in the database before you can successfully add a DriveRight.
- If no vehicles have been added to the database yet, you will be allowed to add a vehicle in the next dialog box.
- If there are no drivers in the database, you will also be allowed to add a driver when adding the vehicle.
- If the vehicle for this DriveRight already exists in the database, highlight the vehicle in the browse window and click Select.



To Assign DriveRight to Vehicle:

1. Click **OK** to assign the DriveRight to a vehicle or press **Cancel** to exit the Add DriveRight Wizard.
2. If you click **OK**, the **Vehicles** browse window is displayed, which shows all the vehicles in the database.
3. Click on the vehicle you want to assign to the new DriveRight.
4. Click the **Select** button in the bottom of the window to assign the vehicle or click Cancel to exit the Add DriveRight Wizard.
5. The following dialog box is displayed:



6. Click **Yes** to continue installing the DriveRight with the selected vehicle or click on **No** to select a different vehicle.

See Also:

Add New DriveRight

Add DriveRight Wizard - DriveRight ID

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Add DriveRight Wizard - DriveRight Already Exists

You are trying to add a DriveRight device to the database that is already in the database.



Add DriveRight Wizard - DriveRight Already Exists

It looks like this DriveRight has already been added to the program.

DriveRight ID: 11

Vehicle: 1

Default Driver: Harry Potter

What would you like to do?

☐ Add as a new DriveRight.

☐ Add using same DriveRight ID.

Next Cancel Help

You can:

1. Check "Add as a new DriveRight" to add this DriveRight using a new DriveRight ID number.
2. Check "Add using same DriveRight ID" to add this DriveRight using it's existing ID number.
3. Click **Next** after you have selected one of the two options, or click **Cancel** to exit the Add DriveRight Wizard.

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Add DriveRight Wizard - DriveRight ID

A DriveRight ID must be assigned to the new DriveRight device.

The **DriveRight ID** dialog box shows the ID assigned to the DriveRight.

1. You can change the assigned ID by clicking inside the text box and editing the number.
2. Click Browse DriveRights to view DriveRight IDs in use at the current location.
3. Click **Next** to begin adding a new DriveRight to the database.



If no vehicles have been added to the database yet, add a vehicle in the next dialog box. If there are no drivers in the database, add a driver when adding the vehicle. Both the default vehicle and driver must be in the database before you can successfully add a DriveRight. If the vehicle for this DriveRight already exists in the database, select it from the Vehicle Browse window.

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Add DriveRight Wizard - Start

1. Make sure the new DriveRight device is connected to your computer and turned on before proceeding.
2. To skip this message in the future, check the "Don't show this dialog again" box.



3. Click **Next** to continue or click **Cancel** to exit the Add DriveRight Wizard.

See Also:

Add New DriveRight

Add DriveRight Wizard - DriveRight ID

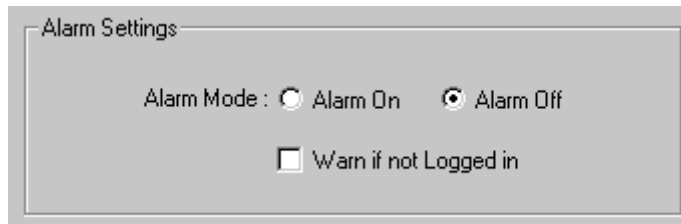
Add DriveRight Wizard - Assign to Vehicle

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DriveRight Settings: Alarm Settings

You can view or edit the following DriveRight alarm settings:



- Set the Alarm Mode to On or Off. This controls audible alarm reporting by the DriveRight device.
- Enable "Warn if not Logged in" to have the DriveRight device give an audible alarm if the vehicle is operated without the driver first entering his or her driver code.

See also:

[Alarm Settings](#)

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DriveRight Settings: Calibration

You can view or edit the following DriveRight Calibration settings:

Calibration

Installation Method : ☒ VSS ☐ Reed Switch

VSS PPM 8000

Pulses per reading 8

Calibration Number 88473

- Click **Reed Switch** if the DriveRight is using a reed switch for the speed sensor. If the DriveRight device has already been calibrated in the vehicle, then the software automatically calculates the VSS PPM (Pulses Per Mile), PPR (pulses per reading) and Calibration number for your vehicle. Do not change these values. The PPR for a reed switch is always "1".
- Click **VSS** if the DriveRight is using the vehicle's VSS for the speed sensor. If the DriveRight device has already been calibrated in the vehicle, then software automatically calculates the VSS PPM (Pulses Per Mile), PPR (pulses per reading) and Calibration number for your vehicle. Otherwise you must specify the PPM for your vehicle. Depending on your selection, software calculates the PPR (pulses per reading) and calibration values and fills the edit boxes with them.
- If you are using the VSS, select the pulses per mile (**PPM**) from the drop down list or enter the PPM in the edit box.
- You can use the Calibration Number to set or adjust the DriveRight's calibration.

See also:

Software Calibration Procedure

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DriveRight Settings: Identification

You can view or edit the following DriveRight identification settings:

Identification

Company Location Davis Instruments

DriveRight Type Trip 600AL

DriveRight ID 11

Vehicle ID 1

Driver Harry Potter

- DriveRight ID
- Vehicle ID

See also:

Add DriveRight Wizard - DriveRight ID

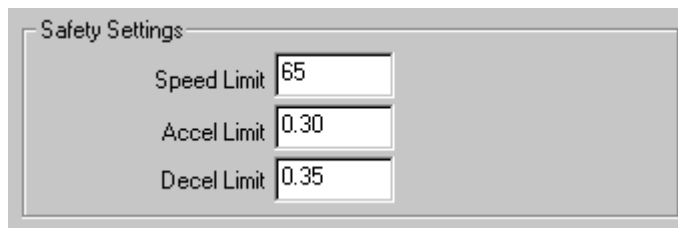
Add DriveRight Wizard - Assign to Vehicle

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DriveRight Settings: Safety Settings

You can view or edit the following DriveRight identification settings:



| Safety Settings | |
|-----------------|------|
| Speed Limit | 65 |
| Accel Limit | 0.30 |
| Decel Limit | 0.35 |

- Speed Limit
- Acceleration Limit
- Deceleration Limit

See also:

[Safety Settings](#)

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DriveRight Settings: Security Settings

You can view or edit the following DriveRight identification settings:

Security Settings

PIN-code ☐ Enable tamper indicator

☒ Disable Login on Console

1. Set the **Pin Code**, which is required to set the calibration and alarm settings on the DriveRight device.
2. If desired, you can enable the tamper indicator. If enabled, the tamper indicator on the DriveRight LCD screen will be displayed when a tamper event has been detected.
3. If desired, you can disable Login from the console so that a driver can log into the device using only the SmartCard. Check the **Disable Login on Console** box to disable console Login. This application is available for DriveRight 600E devices only.

See also:

Security Settings

Back to View/Set

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DriveRight Settings: Timer Settings

You can view or edit the following DriveRight identification settings:

Timer Settings

Trip Stop Time

Driver ID Logout Time

- Trip Stop Time
- Driver ID Logout Time

See also:

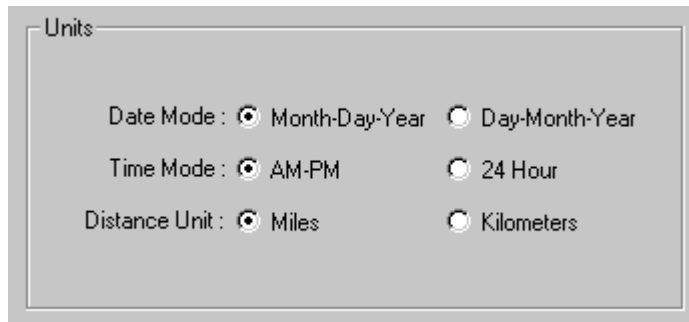
Timer Settings

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DriveRight Settings: Units

You can change the following DriveRight unit settings:

A screenshot of a software dialog box titled "Units". Inside the dialog, there are three rows of settings, each with a label and two radio button options. The first row is "Date Mode" with "Month-Day-Year" selected and "Day-Month-Year" unselected. The second row is "Time Mode" with "AM-PM" selected and "24 Hour" unselected. The third row is "Distance Unit" with "Miles" selected and "Kilometers" unselected. The dialog has a standard Windows-style border with a title bar and a close button in the top right corner.

- Date Mode settings allow you to select either a Month-Day-Year or Day-Month-Year display for the date.
- Time Mode settings allow you to select either 12-hour time with am and pm or 24-hour time for the time display.
- Distance Unit settings allows you to select miles and miles per hour or kilometers and kilometers per hour as your speed and distance units.

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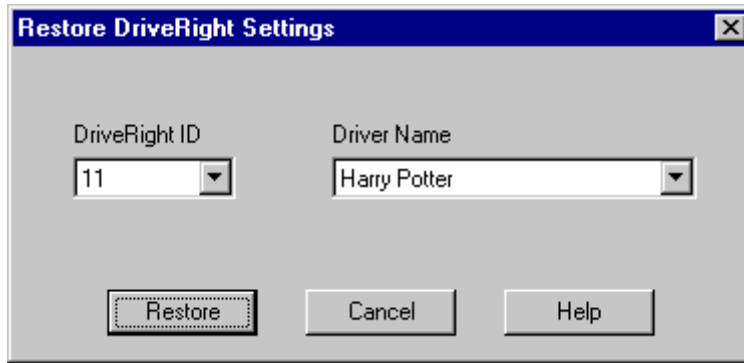
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DriveRight Settings: Restore

Use this command to update the DriveRight device using settings stored in the database:

1. Select DriveRight Settings from the DriveRight Menu.
2. Select Restore from the DriveRight Settings drop down list. The Restore DriveRight Settings dialog box is displayed.

Note: If the DriveRight has already been configured the software will automatically display the existing settings.



3. Select the desired DriveRight ID and driver name from the drop down lists.

Note: The software will only display DriveRight ID's for DriveRight's of the same type. If a DriveRight 600 is connected to your computer, you will only see ID numbers for other DriveRight 600 devices.

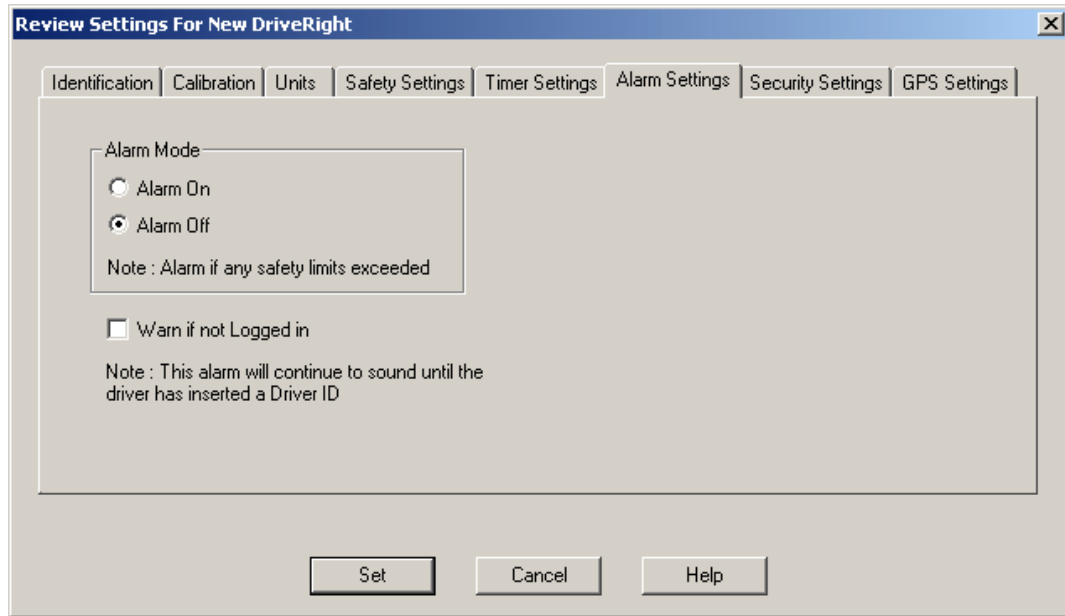
4. Click Restore to save the selected settings to the DriveRight unit, or click Cancel to exit without changing the settings.

[Back to DriveRight Menu](#) | [DriveRight Settings](#)

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Review DriveRight Alarm Settings

Use this dialog box to verify the DriveRight alarm settings:



1. Click Alarm On or Alarm Off to turn the DriveRight device's audible alarm on or off. With the alarm **On**, the DriveRight will beep every time one of the safety settings is exceeded.
2. Click **Warn if not Logged in** to cause an audible DriveRight alarm if the driver does not log in at the beginning of a trip.
3. Click **Set** to save the settings on the DriveRight unit or click **Cancel** to exit without saving the settings.

See Also:

Add DriveRight Wizard - Calibrate DriveRight

Review Settings for New DriveRight

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Review DriveRight Calibration

Use this dialog box to verify the DriveRight calibration settings:

The screenshot shows a software window titled "Review Settings For New DriveRight". It has a tabbed interface with the following tabs: Identification, Calibration (selected), Units, Safety Settings, Timer Settings, Alarm Settings, Security Settings, and GPS Settings. The "Calibration" tab contains the following settings:

- Installation Method:** A group box containing three radio buttons: "OBD Adapter" (selected), "Reed Switch", and "VSS". Next to the "VSS" option is a text field containing "75000" and a unit dropdown menu set to "PPM".
- Pulses per Reading:** A text field containing the value "32".
- Calibration Number:** A text field containing the value "37749".

At the bottom of the dialog box are three buttons: "Set", "Cancel", and "Help".

1. Verify the DriveRight calibration settings are correct. You can edit them in this dialog box if desired.
2. Click **Set** to save the settings on the DriveRight unit or click **Cancel** to exit without saving the settings.

See Also:

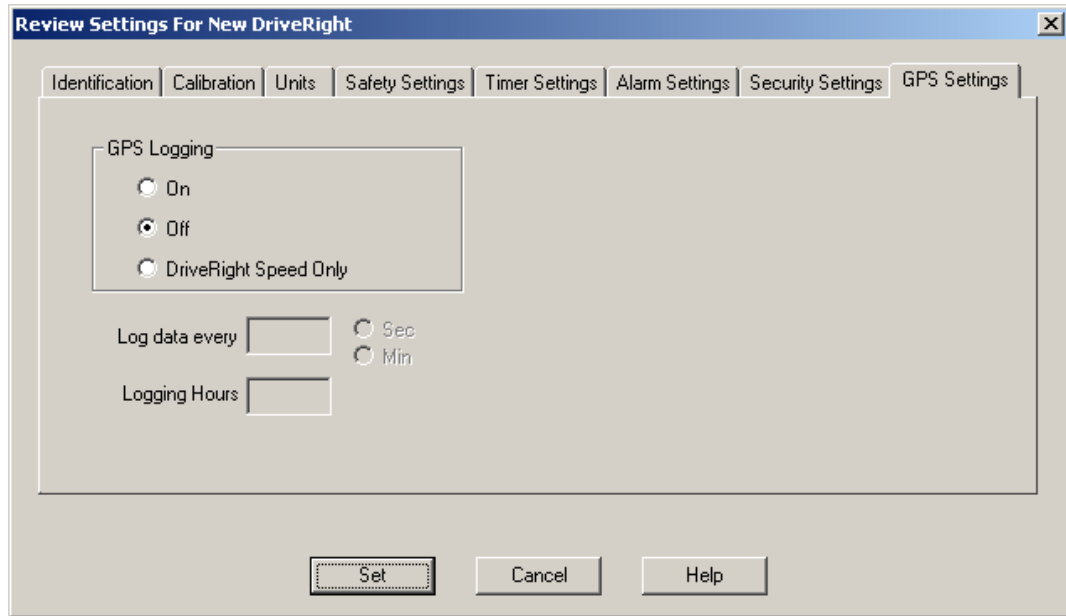
Review Settings for New DriveRight

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Review DriveRight Security Settings

Use this dialog box to verify the DriveRight GPS settings:



1. Review the GPS settings and make any necessary adjustments.
2. Click **Set** to save the settings on the DriveRight unit or click **Cancel** to exit without saving the settings.

See Also:

Add DriveRight Wizard - Calibrate DriveRight

Review Settings for New DriveRight

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Review DriveRight Identification

Use this dialog box to verify the DriveRight ID information:

Review Settings For New DriveRight

Identification | Calibration | Units | Safety Settings | Timer Settings | Alarm Settings | Security Settings | GPS Settings

Company Location: NV

DriveRight Type: DriveRight 600E

DriveRight ID: 1234

Vehicle ID: 2

Default Driver: Jane Smith

Set Cancel Help

1. To change the DriveRight ID number, enter a new number in the edit box.
2. Click on a tab to review other parts of the DriveRight setup.
3. Click **Set** to save the settings on the DriveRight unit or click **Cancel** to exit without saving the settings.

See Also:

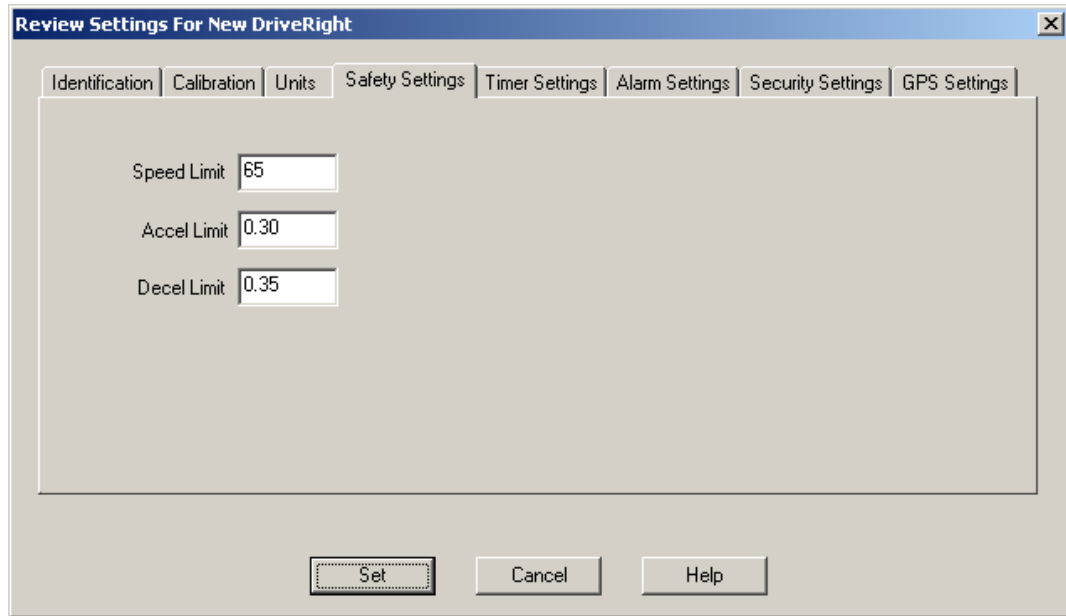
Review Settings for New DriveRight

[Back to DriveRight Menu](#) | [Add New DriveRight](#) | [Review Settings for New DriveRight](#)

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Review DriveRight Safety Settings

Use this dialog box to verify the DriveRight safety settings:



1. Review the safety settings and make any necessary adjustments.
2. Click a tab to review other settings, click **Set** to save the settings on the DriveRight unit or click **Cancel** to exit without saving the settings.

See Also:

Review Settings for New DriveRight

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Review DriveRight Security Settings

Use this dialog box to verify the DriveRight security settings:

Review Settings For New DriveRight

Identification | Calibration | Units | Safety Settings | Timer Settings | Alarm Settings | **Security Settings** | GPS Settings

Pin Code

Security PIN Code : 0

Note : This code is necessary to enable a manager to set calibration and alarm settings

Tamper Indicator

☐ Enable tamper indicator. (600 & 600E Only)

Note : The tamper indicator will illuminate if this option is selected

☐ Disable Login on Console (600E Only)

If this option is selected, drivers must use their SmartCards to login

Set Cancel Help

1. Review the security settings and make any necessary adjustments.
2. Click **Set** to save the settings on the DriveRight unit or click **Cancel** to exit without saving the settings.

See Also:

Add DriveRight Wizard - Calibrate DriveRight

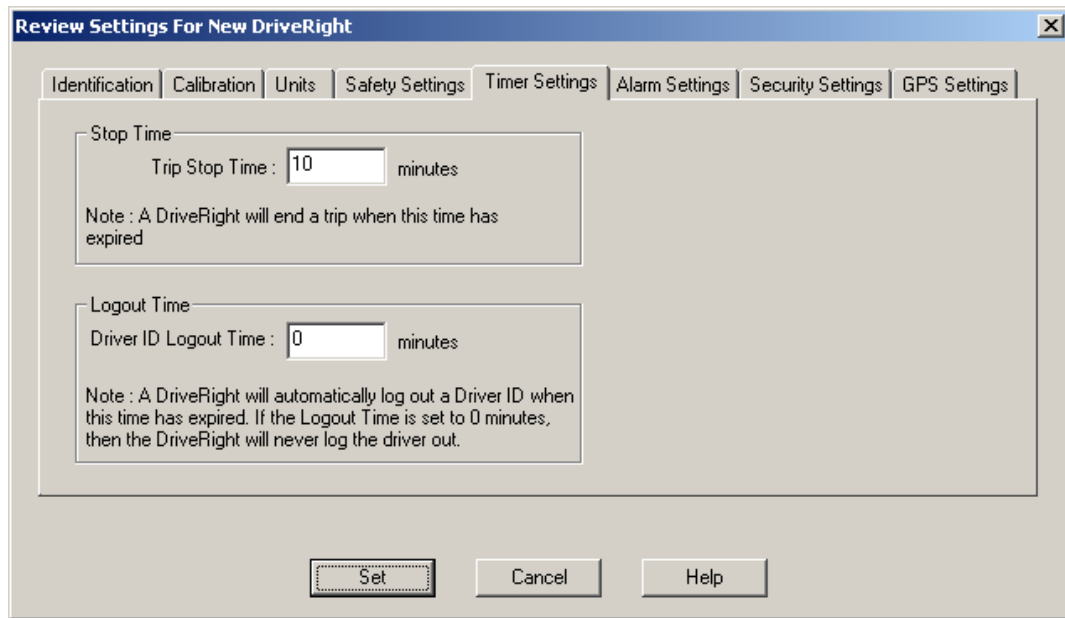
Review Settings for New DriveRight

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Review DriveRight Timer Settings

Use this dialog box to verify the DriveRight timer settings:



1. Review the timer settings and make any necessary adjustments.
2. Click **Set** to save the settings on the DriveRight unit or click **Cancel** to exit without saving the settings.

See Also:

Add DriveRight Wizard - Calibrate DriveRight

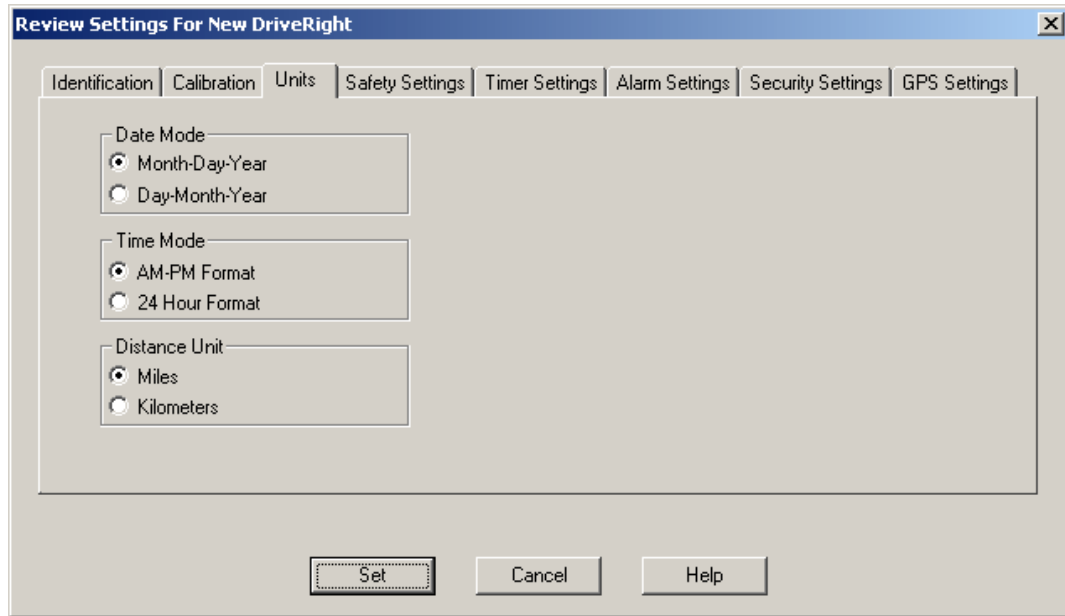
Review Settings for New DriveRight

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Review DriveRight Unit Settings

Use this dialog box to verify the DriveRight unit settings:



1. Review the unit settings and make any necessary adjustments.
2. Click **Set** to save the settings on the DriveRight unit or click **Cancel** to exit without saving the settings.

See Also:

Add DriveRight Wizard - Calibrate DriveRight

Review Settings for New DriveRight

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Review Settings for New DriveRight

You've reached the last part of the Add DriveRight Wizard. The Add DriveRight Settings Dialog allows you to review all of the settings for the new DriveRight device, including those settings that are part of the DriveRight default settings.

Review Settings For New DriveRight

Identification | Calibration | Units | Safety Settings | Timer Settings | Alarm Settings | Security Settings | GPS Settings

Company Location NV

DriveRight Type DriveRight 600E

DriveRight ID 1234

Vehicle ID 2

Default Driver Jane Smith

Set Cancel Help

1. Click on the tabs located near the top of the dialog box to review the DriveRight's settings. The following tabs are available:
 - Identification
 - Calibration
 - Units
 - Safety Settings
 - Timer Settings
 - Alarm Settings
 - Security Settings
 - GPS Settings

2. When you are satisfied it is set up correctly, select **Set** to save the settings. Select **Cancel** to exit the setup dialog and abandon the DriveRight settings.

See Also:

Add New DriveRight

Add DriveRight Wizard - DriveRight ID

Add DriveRight Wizard - Calibrate DriveRight

Default DriveRight Setup

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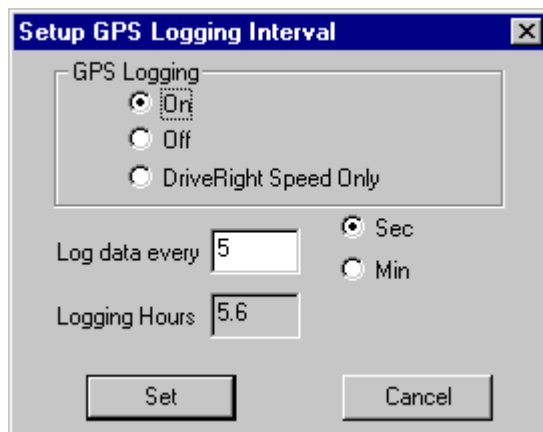
DriveRight Settings: Setup GPS

Use this command to view and/or modify the GPS settings on a DriveRight device.

Note: This command only works with the DriveRight 600.

To setup GPS logging:

1. Select DriveRight Settings from the DriveRight Menu.
2. Select Setup GPS from the DriveRight Settings drop down list. The Setup GPS Logging Interval dialog box is displayed.



3. Set GPS Logging to On, Off, or DriveRight Speed Only.
 - o Select On to enable GPS logging.
 - o Select Off to disable GPS logging.
 - o Select DriveRight Speed Only to log the DriveRight speed without the GPS coordinates. No GPS unit is required to enable this option.
4. Enter the desired logging interval and indicate a time unit of either seconds (Sec) or minutes (Min). Logging Hours indicates how much data can be stored at the selected interval.
5. Click Set to save the changes or click Cancel to exit without changing the settings

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Software Calibration Procedure

You can calibrate your DriveRight console using the following procedures. Perform the initial calibration procedure first, then perform the final calibration procedure.

Initial Calibration Procedure

Follow these steps in the indicated order:

1. Determine the initial calibration number by multiplying the perimeter of the wheel with 314.685 (perimeter measured in centimeters) or with 799.3 (perimeter measured in inches).
2. If the vehicle has rear-wheel drive, the outcome of the multiplication should be divided by the differential transmission (usually a number around 4).
3. Connect the DriveRight and activate the device by pressing the Mode button. The display should be in the CURRENT mode.
4. Go to Setup > Vehicles > Add/Remove/Update...
5. Go to the vehicle using this DriveRight. If the correct vehicle is not in the list, you add it.
6. Click on the Read button (on the right hand side of the screen). The settings of the DriveRight will be taken over by the software.
7. Type the calibration number in the appropriate field (no decimals!)
8. Click on the Set button (on the right hand side of the screen). The settings with the new calibration number are written to the DriveRight.

Final Calibration Procedure

Follow these steps in the indicated order:

1. Mount the DriveRight in the vehicle and write down the start date and current odometers.
2. Let the driver use the DriveRight for 1 week (at least 40 miles/50 km).
3. Dismount the DriveRight and write down the odometers.
4. Start the software and select DriveRight > Download DriveRight. The data are downloaded and placed in the database.
5. Select Reports > Trip... and specify the following filter:
Date>=[startdate] : Use the correct date format
Vehicle: Select the vehicle using this DriveRight.
6. Write down the number of miles/kilometers driven as indicated at the bottom of the report.
7. Go to Setup > Vehicles > Add/Remove/Update...
8. Go to the appropriate vehicle and click on the Read button.
9. Calculate the new calibration number.
$$\text{New calibration number} = ((\text{Distance measured by vehicle}) / (\text{Distance measured by DriveRight})) \times \text{Current Calibration Number}$$
10. Type the new calibration number.
11. Click on the Set button.

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Tamper Log

The Tamper Log holds the times and dates when the driver disconnected the DriveRight or tried to change the DriveRight Settings.

The Tamper Log consists of the following:

- In the case of the Trip 500AL and the DriveRight 600, 10 tamper attempts are logged, to record instances of disconnecting a DriveRight, or entering an incorrect Settings PIN-code. In all other units only the first tamper time is logged.

Note: There must be a Settings PIN-Code in the unit to enable the logging of disconnect times.

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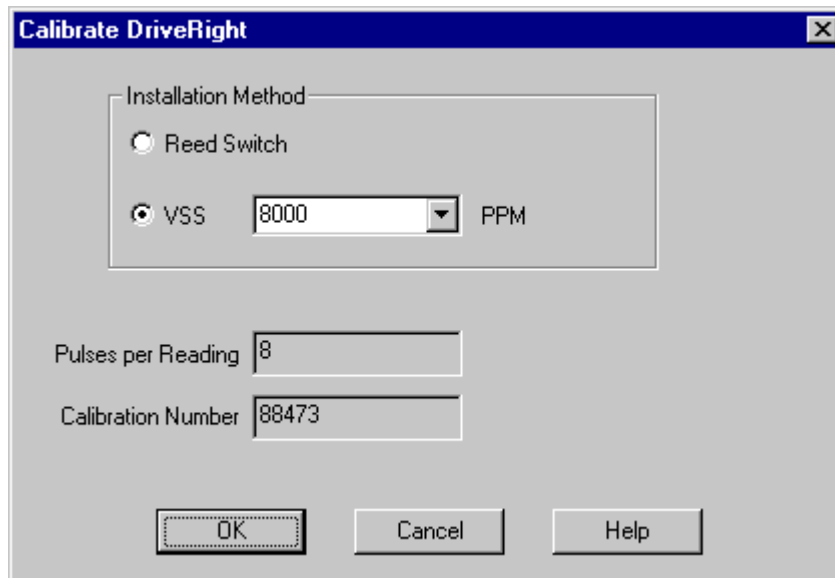
DriveRight Settings: Verify DriveRight Calibration

The Calibrate DriveRight dialog box allows you to verify DriveRight calibration settings.

- The Calibration Setting Dialog box shows two installation methods. VSS (vehicle speed sensor) installation and Reed Switch.

To verify the DriveRight console calibration:

1. Click on DriveRight Settings from the DriveRight Menu.
2. Select Verify DriveRight Calibration from the drop-down menu. A DriveRight Calibration Message dialog box is displayed.
3. Click OK, Set or Cancel to continue, depending on the displayed message. The Calibrate DriveRight dialog box is displayed.



3. If the DriveRight is using a reed switch for the speed sensor, make sure the Installation Method indicates Reed Switch.
 - Reed Switch: If the DriveRight device has been previously calibrated in the vehicle or through the software, then DriveRight FMS automatically calculates the Calibration number for your vehicle. We strongly recommend that you do not change these values. The PPR for a reed switch is always "1".
4. If the DriveRight is using the vehicle's VSS for the speed sensor, make sure the Installation Method indicates VSS.
 - VSS: If the DriveRight device has been previously calibrated in the vehicle or through the software, then DriveRight FMS automatically calculates the VSS PPM (Pulses Per Mile), PPR (pulses per reading) and Calibration number for your vehicle. Otherwise you must specify the PPM for your vehicle. Depending on your selection, software calculates the PPR (pulses per reading) and calibration values and fills the edit boxes with them.
5. If you are using the VSS, you can adjust the pulses per mile (PPM) from the drop down list or enter the PPM in the edit box if necessary. We recommend that you not change these settings if the DriveRight has been previously calibrated.
6. Click OK to save changes to the calibration, or click cancel to exit without saving changes.

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DriveRight Settings: View/Set

Use this command to view and/or modify the DriveRight device settings for the connected DriveRight device:

1. Select **DriveRight Settings** from the **DriveRight** Menu.
2. Select **View/Set** from the **DriveRight Settings** drop down list. The **DriveRight Device Settings** dialog box is displayed.

DriveRight Device Settings

Identification

Company Location: NV

DriveRight Type: DriveRight 600E

DriveRight ID: 1234

Vehicle ID: 2

Driver: Jane Smith

Calibration

Installation Method: ☐ VSS ☐ Reed Switch ☒ OBD Adapter

VSS PPM: 75000

Pulses per reading: 32

Calibration Number: 37749

Units

Date Mode: ☒ Month-Day-Year ☐ Day-Month-Year

Time Mode: ☒ AM-PM ☐ 24 Hour

Distance Unit: ☒ Miles ☐ Kilometers

Safety Settings

Speed Limit: 65

Accel Limit: 0.30

Decel Limit: 0.35

Timer Settings

Trip Stop Time: 10

Driver ID Logout Time: 0

Alarm Settings

Alarm Mode: ☐ Alarm On ☒ Alarm Off

☐ Warn if not Logged in

Security Settings

PIN-code: 0 ☐ Enable tamper indicator

☒ Disable Login on Console

Set Close Help

3. Make any desired changes. For more information on the DriveRight settings, click on the links below:

Identification

Calibration

Units

Safety Settings

Timer Settings

Alarm Settings

Security Settings

Note: If you assign a vehicle to a DriveRight that had been previously assigned to a CarChip device, the vehicle assignment for that CarChip will be changed to "UNASSIGNED VEHICLE".

4. Click **Set** to save the changes or click Close to exit without saving.

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CarChip Menu

CarChip Menu

Use CarChip Menu commands for functions that require direct communications with the CarChip device.

Note: The CarChip device must be connected to your computer in order to access the CarChip Menu commands.

The following CarChip Menu commands are available:

Add New CarChip

CarChip Settings

Download CarChip

Set Time and Date

Set CarChip LED State

Display CarChip Memory

Show CarChip Info

Clear CarChip Memory

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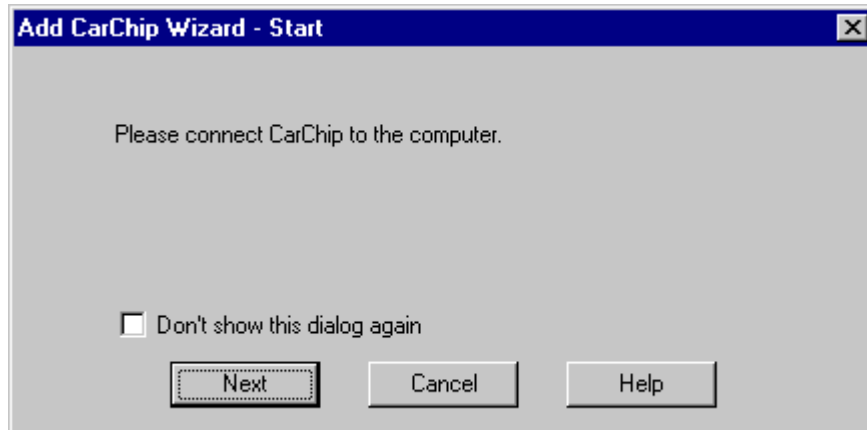
Add CarChip Wizard

DriveRight FMS includes an Add CarChip Wizard to simplify adding CarChip devices to the database. Click on the links provided for each of the Add CarChip Wizard dialog boxes to see more detailed information.

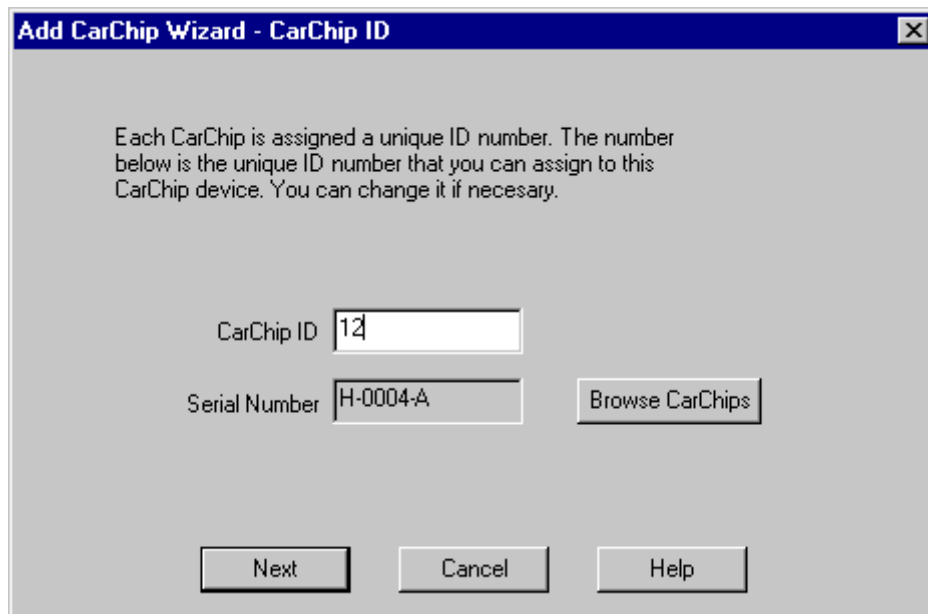
To add a new CarChip device:

1. Select **Add New CarChip** from the **CarChip** Menu. The Add CarChip Wizard - Start dialog box is displayed.

Note: The new CarChip device must be connected to your computer in order to add it to the DriveRight FMS database.

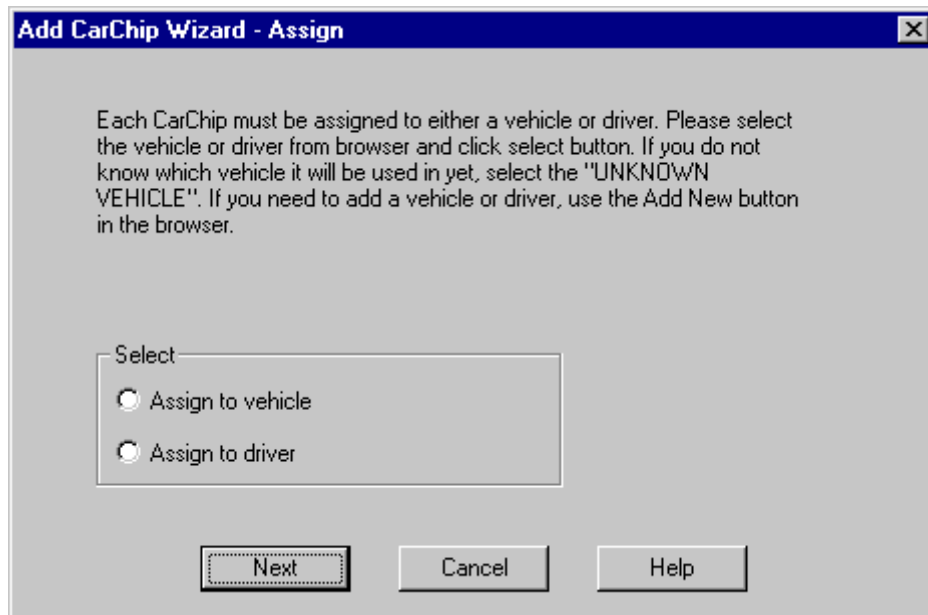


2. Click **Next** to continue or click **Cancel** to exit the Add CarChip Wizard.
 - o If you click Next, the Add CarChip Wizard - CarChip ID dialog box is displayed.

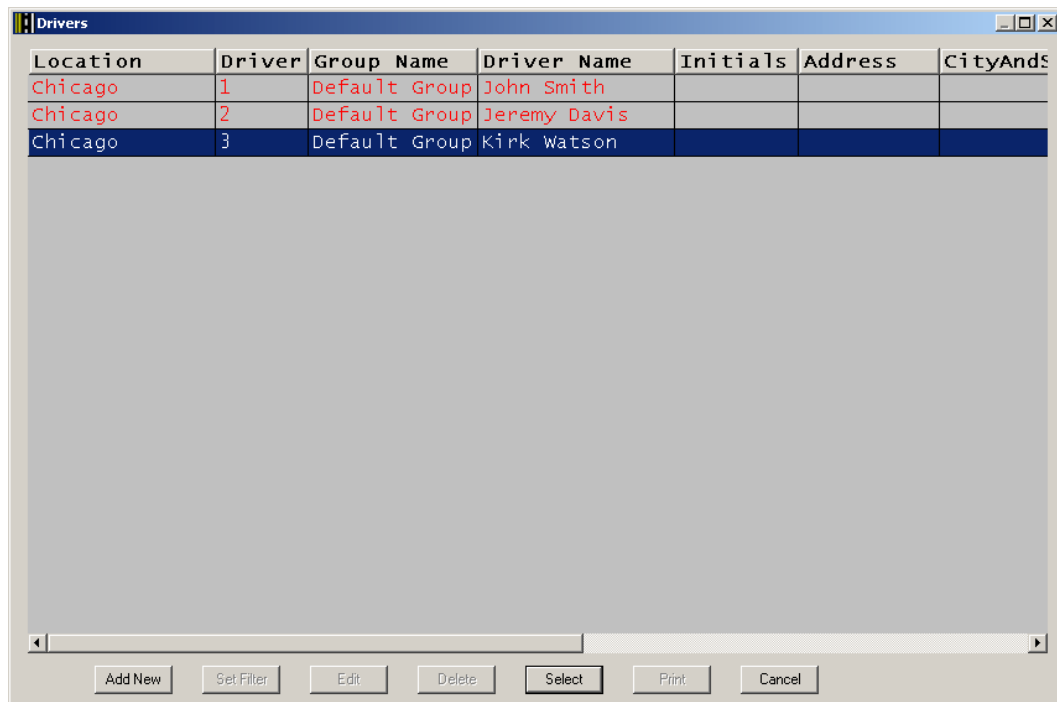


3. Click **Next** to continue or click **Cancel** to exit the **Add CarChip Wizard**.
 - o If you click Next, the Add CarChip Wizard - Assign dialog box is displayed.

Note: CarChip should be assigned to either a vehicle or driver. If it is assigned to a vehicle, the default driver of that vehicle appears on all the data downloaded. If a CarChip is assigned to a driver, then all data downloaded from that CarChip will be associated with that driver and the vehicle will be listed as UNKNOWN VEHICLE. This is useful if the driver uses multiple vehicles with the same CarChip. Based on your particular case, you should carefully choose between assigning a CarChip to a vehicle or a driver.

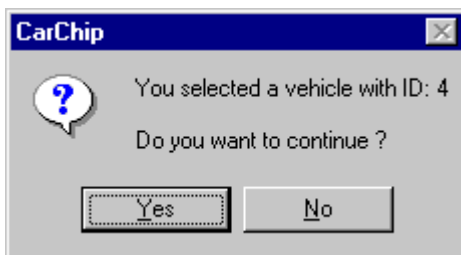


4. After assigning the CarChip to either a vehicle or to a driver, Click **Next** to continue or click **Cancel** to exit the Add CarChip Wizard.
- If you are assigning the CarChip to a vehicle, the *Vehicles database table* is displayed. Click on a vehicle record in the database table to highlight it, then click **Select** to assign the CarChip to the selected vehicle.
- If you are assigning the CarChip to a driver, the *Drivers database table* is displayed. Click on a driver record in the database table to highlight it, then click **Select** to assign the CarChip to the selected driver.

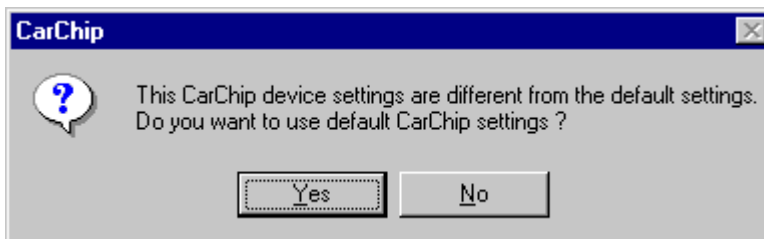


| Location | Vehicle | VIN Number | Fleet Name | DriveRight | Default Driver |
|----------|---------|------------|---------------|--------------|----------------|
| Chicago | Unknown | 0 | Default Fleet | Not Assigned | Unknown Driver |
| Chicago | 1 | | Default Fleet | Not Assigned | Jeremy Davis |
| Chicago | 2 | | Default Fleet | Not Assigned | Kirk Watson |
| Chicago | 3 | | Default Fleet | Not Assigned | Kirk Watson |

5. After selecting a vehicle or driver from their respective database tables, the **CarChip** dialog box is displayed. Click **Yes** to continue or click **No** to return to the database table and make another selection.



6. If the settings in the CarChip you are adding are different from the default CarChip settings in the database, The **CarChip Default Settings** dialog box is displayed. Click **Yes** to configure the CarChip with the default settings or click **No** to use the existing CarChip Settings.



7. The Add CarChip Wizard - Safety Settings dialog box is displayed. This shows the CarChip's speed band, braking, and acceleration thresholds.

Add CarChip Wizard - Safety Settings

| Speed Bands | |
|--------------|-------------------------------|
| | From (miles/hr) To (miles/hr) |
| Speed Band 1 | 0 35 |
| Speed Band 2 | 35 45 |
| Speed Band 3 | 45 65 |
| Speed Band 4 | 65 |

| Hard Braking | |
|---------------------------|--------|
| Hard Braking Threshold | 0.34 G |
| Extreme Braking Threshold | 0.48 G |

| Acceleration | |
|--------------------------------|--------|
| Hard Acceleration Threshold | 0.31 G |
| Extreme Acceleration Threshold | 0.48 G |

Next Cancel Help

8. When you are satisfied with the safety settings, click on **Next** to continue or click **Cancel** to exit the Add CarChip Wizard.

9. The Add CarChip Wizard - Parameters dialog box is displayed. This shows the engine and vehicle performance parameters that CarChip logs and the sample interval rates for each parameter.

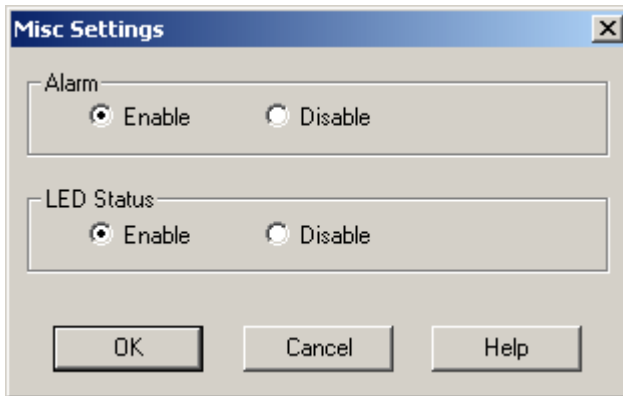
Add CarChip Wizard - Parameters

| | Name | Interval |
|-------------|---------------------|-----------|
| Parameter 1 | Vehicle Speed | 5 Seconds |
| Parameter 2 | Engine Speed | 5 Seconds |
| Parameter 3 | Coolant Temperature | 5 Seconds |
| Parameter 4 | | Seconds |
| Parameter 5 | | Seconds |

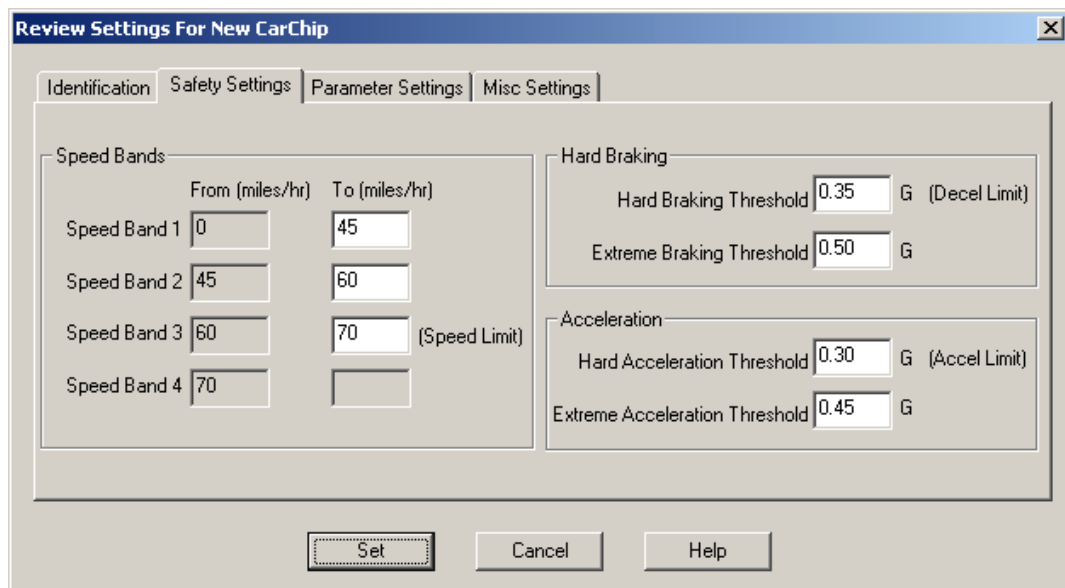
Next Cancel Help

10. When you are satisfied with the parameter settings, click **Next** to continue or click **Cancel** to exit the Add CarChip Wizard.

11. The **Miscellaneous Settings** dialog box is displayed. Enable or disable extra CarChip features, such as Alarm and LED Status using this dialog box. The Alarm feature only works with CarChip Fleet with Alarm (# 8245). Enabling this feature for a CarChip Fleet without alarm will not work.



12. The **Review Settings For New CarChip** dialog box is displayed. This dialog box allows you to review the identification, safety, and parameter and miscellaneous settings for the new CarChip one last time before you add it to the database.



13. When you are satisfied with the CarChip settings, click **Set** to add the CarChip to the database and to update the CarChip device settings. Select **Cancel** to exit the Add CarChip Wizard without adding the CarChip to the database or updating the CarChip device settings.

14. When the CarChip has been successfully added to the database and the CarChip settings have been updated you will see the following **Setup Result** dialog box.



15. Click **OK** to continue.

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CarChip Settings

Use the CarChip Settings command in the CarChip Menu to quickly view all CarChip settings, to add a CarChip to the database or to edit CarChip settings.

1. Select **CarChip Settings** from the CarChip Menu. The CarChip Device Settings dialog box is displayed.

CarChip Device Settings

Identification

Company Location: NV

CarChip ID: 1

Serial Number: J-7077-C

☒ Vehicle ID: 2

☐ Driver Name: Jane Smith

Hard Braking

Hard Braking Threshold: 0.34 G (Decel Limit)

Extreme Braking Threshold: 0.51 G

Acceleration

Hard Acceleration Threshold: 0.28 G (Accel Limit)

Extreme Acceleration Threshold: 0.48 G

Speed Bands

| | From (miles/hr) | To (miles/hr) |
|--------------|-----------------|------------------|
| Speed Band 1 | 0 | 45 |
| Speed Band 2 | 45 | 60 |
| Speed Band 3 | 60 | 75 (Speed Limit) |
| Speed Band 4 | 75 | |

Choose Parameters

| | Name | Interval |
|-------------|---------------------|------------|
| Parameter 1 | Vehicle Speed | 1 Seconds |
| Parameter 2 | Engine Speed | 5 Seconds |
| Parameter 3 | Coolant Temperature | 10 Seconds |
| Parameter 4 | | Seconds |
| Parameter 5 | | Seconds |

Misc Settings

Alarm Status: ☒ Enable ☐ Disable

LED Status: ☒ Enable ☐ Disable

Set Close Help Defaults

2. Make any desired changes. For more information on the CarChip settings, click on the links below:

[CarChip ID](#)

[Hard Braking, Acceleration and Speed Bands](#)

[Choose Parameters](#)

Note: If you change the vehicle assigned to a CarChip, the vehicle table will also be changed to reflect the new assignment.

Note: If you assign a vehicle to a CarChip that had been previously assigned to a DriveRight device, the vehicle assignment for that DriveRight will be changed to "UNASSIGNED VEHICLE".

3. If necessary, click **Defaults** to change the CarChip Hard Braking, Acceleration, Speed Bands, and Engine Parameters to the DriveRight FMS CarChip default settings.
4. Click **OK** to save the changes or click Cancel to exit without saving.

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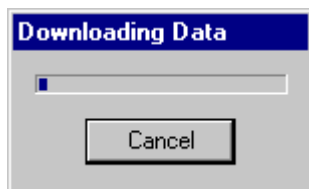
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Download CarChip

Use this command to download data from your CarChip data logger into your computer.

To download CarChip data:

1. Connect your CarChip device to your computer.
2. Choose Download CarChip from the CarChip menu. The Downloading Data dialog box appears.



2. The dialog box disappears when the download is complete.
3. Choose Cancel only if you wish to abort the download before it is finished.

See also:

[Downloading CarChip Guidelines](#)

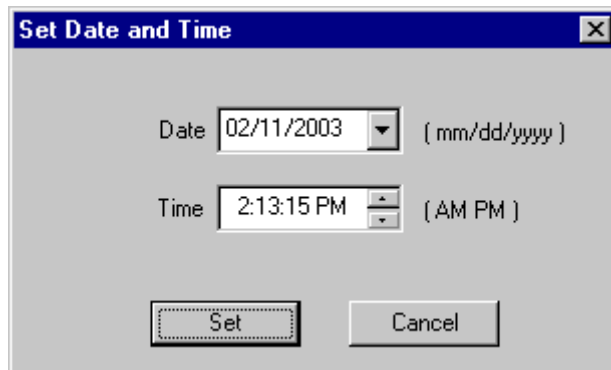
[Back to CarChip Menu](#)

Set Time and Date

Use this command to set the time and date on a CarChip device.

To set the time and date on a CarChip:

1. Select **Set Time and Date** from the **CarChip** Menu. The **Set Time and Date** dialog box is displayed. The dialog box shows your computer's current time and date.



2. Set the date by either clicking the month, day or year in the edit box and entering the new information, or by clicking on the down arrow and selecting the date from the drop-down calendar.



3. Set the time by clicking on the hour, minute or second in the edit box and entering the new time. You can also adjust the time settings up and down using the up and down arrows in the edit box.
4. Click **Set** to change the time and date on the CarChip device or click on **Cancel** to exit the dialog box without changing the settings.

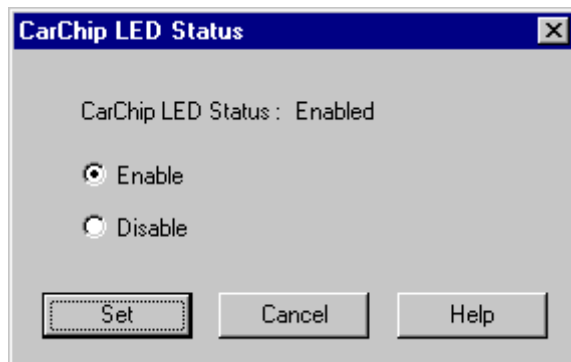
Back to CarChip Menu

LED Status

Use the CarChip LED Status command to view or change the CarChip LED status configuration.

To change the CarChip Status LED:

1. Choose Set CarChip LED State in the CarChip Menu. The CarChip LED Status dialog box is displayed showing the current state.



2. Click Enable if you wish to turn on the CarChip Status LED.
3. Click Disable if you wish to turn off the CarChip Status LED.
4. Click Set to configure the Status LED with the current setting or click Cancel to exit.

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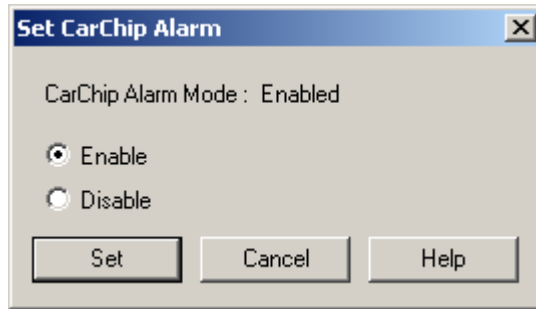
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CarChip Alarm

Use the CarChip Alarm command to view or change the CarChip Alarm status.

To change the CarChip Alarm status:

1. Select Set CarChip Alarm in the CarChip Menu. The CarChip Alarm dialog box is displayed showing the current state.



2. Click **Enable** if you wish to turn on the CarChip Alarm.
3. Click **Disable** if you wish to turn off the CarChip Alarm.
4. Click **Set** to configure the alarm with the current setting or click **Cancel** to exit.

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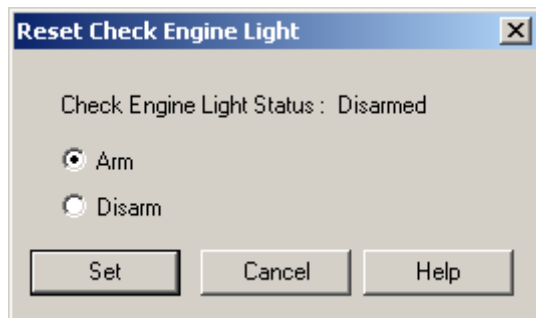
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Reset Check Engine Light

Use the CarChip Reset Check Engine Light command to turn the CarChip Reset Check Engine Light feature on and off. Arming this feature resets the check engine light in the vehicle the CarChip is used in. Disarming this feature means that the CarChip does not reset the check engine light.

To change the CarChip Reset Check Engine Light status:

1. Select **Reset Check Engine Light** in the **CarChip** Menu. The dialog box is displayed showing the current state.



2. Click **Arm** if you wish to turn on the CarChip Alarm. Click **Disarm** if you wish to turn off the CarChip Alarm.
3. Click **Set** to configure the alarm with the current setting or click **Cancel** to exit.

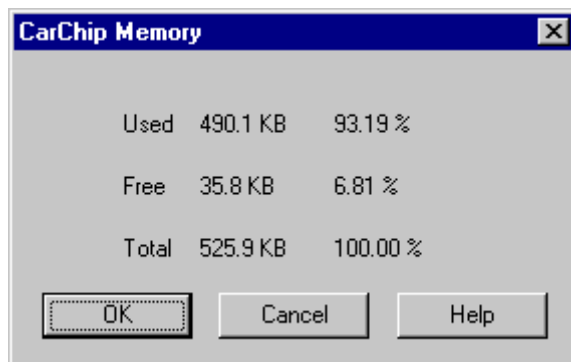
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Display CarChip Memory

Use this command to show memory usage by the CarChip device.

1. Choose Display CarChip Memory from the CarChip menu. The CarChip Memory dialog box appears.



2. Click OK to close the dialog box.
 - The amount of memory is displayed in kilobytes as well as the percentage of the available memory used.
 - "Used" shows the amount of memory occupied by data.
 - "Free" shows amount of memory available for new data.
 - "Total" shows the total amount of memory in the data logger.

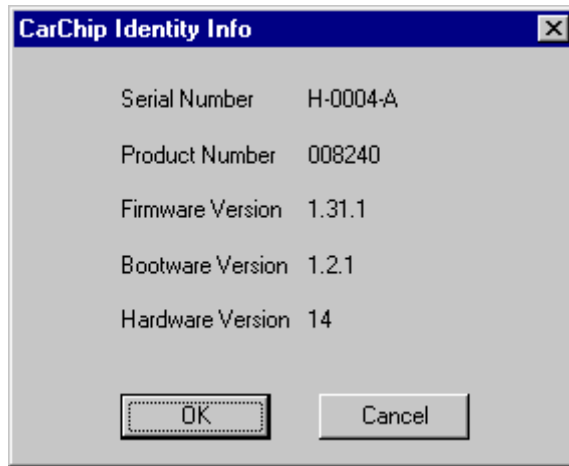
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Show CarChip Info

Use this command to show the firmware, bootware, and hardware version information for the currently connected CarChip device.

1. Choose **Show CarChip Info** from the **CarChip** menu. The **CarChip Identity Info** dialog box appears.



2. Click **OK** to close the dialog box.

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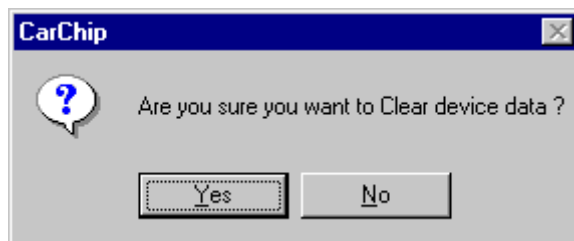
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Clear CarChip Memory

The Clear CarChip Memory command clears all trip data in the connected CarChip.

To clear CarChip memory:

1. Select **Clear CarChip Memory** in the **CarChip** Menu. The following **CarChip** dialog box is displayed:



2. Click **Yes** to clear the CarChip device, click **No** to cancel the command.

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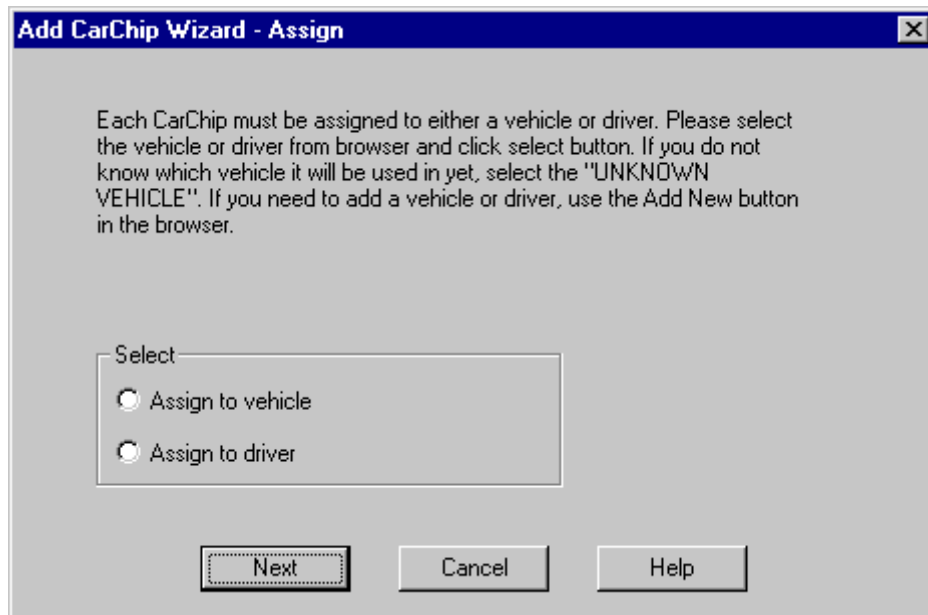
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CarChip Settings

Add CarChip Wizard - Assign

CarChip should be assigned to either a vehicle or driver. If it is assigned to a vehicle, the default driver of that vehicle appears on all the data downloaded. If it is assigned to a driver, all the data has vehicle as "UNKNOWN VEHICLE". This is useful if the driver uses multiple vehicles with the same CarChip. Based on your particular situation, you should carefully choose between assigning a CarChip to a vehicle or a driver.

1. Assign the CarChip to either a vehicle or to a driver by clicking the appropriate radio button.



2. Click **Next** to continue or click **Cancel** to exit the Add CarChip Wizard.
 - If you are assigning the CarChip to a vehicle, the Vehicles browse window is displayed. Click on a vehicle in the browse window to highlight it, then click **Select** button to assign the CarChip to the selected vehicle.
 - After selecting a vehicle from the browse window, the **CarChip** dialog box is displayed. Click **Yes** to continue or click **No** to return to the Vehicles browse window and make another selection.

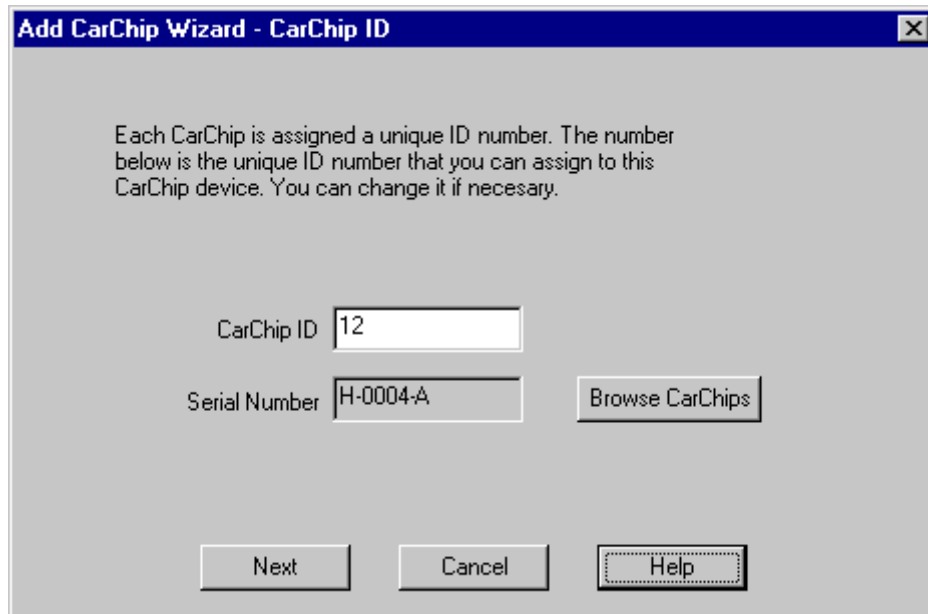
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CarChip Identification Settings

Each new CarChip device must be assigned an ID number.

1. The **CarChip ID** dialog box shows the ID assigned to the CarChip device.
 - You can change the assigned ID by clicking inside the text box and editing the number.
 - Click on Browse CarChips to view CarChip ID's in use at the current location.
 - Click next to continue adding the new CarChip to the database or click Cancel to exit.



2. Click **Next** to continue adding the new CarChip to the database or click **Cancel** to exit.

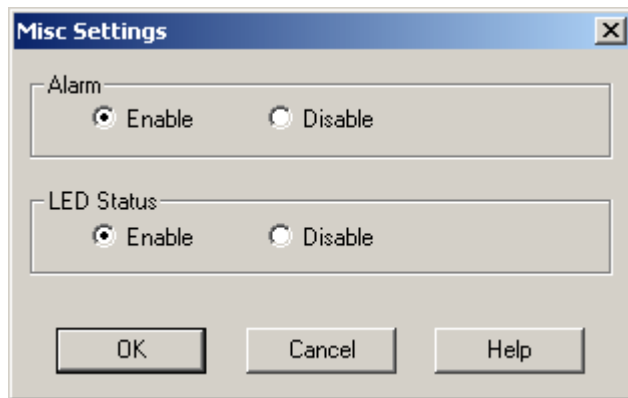
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Add CarChip Wizard - Miscellaneous Settings

Use the **Add CarChip Wizard - Miscellaneous Settings** dialog box to set the CarChip's LED and Alarm settings.

1. Select **Enable** or **Disable** for the Alarm or LED Status Features.



2. Click **OK** to save the Miscellaneous settings or click **Cancel** to exit without saving the settings in the Add CarChip Wizard.

Note: The Alarm setting only works with the Fleet CarChip with Alarm. Enabling this feature on a CarChip that does not have an alarm does not provide any alarm capabilities for that CarChip.

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Add CarChip Wizard - Parameters

Use the Add CarChip Wizard - Parameters dialog box to select up to four optional vehicle data parameters to be logged in addition to vehicle speed.

1. Select the vehicle data parameters you wish to log.
2. Set the time interval for each parameter. Supported time intervals range from 1 seconds to 60 seconds.

| | Name | Interval | Units |
|-------------|---------------------|----------|---------|
| Parameter 1 | Vehicle Speed | 1 | Seconds |
| Parameter 2 | Engine Speed | 10 | Seconds |
| Parameter 3 | Coolant Temperature | 5 | Seconds |
| Parameter 4 | | | Seconds |
| Parameter 5 | | | Seconds |

Next Cancel Help

3. When you are satisfied with the parameter settings, click on **Next** to continue. Otherwise click **Cancel** to exit the Add CarChip Wizard.

See also:

List of Data Parameters

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Add CarChip Wizard - Safety Settings

Use the **Add CarChip Wizard - Safety Settings** dialog box to set speed, braking and acceleration thresholds for the CarChip device.

1. Change the speed band ranges by inserting new speeds in the **To** text box. This is the upper limit of the band. The speeds listed in the From text box automatically change for the next speed band.
2. Set the **Hard Braking Threshold**. The Hard Braking Threshold is used as the decel limit in DriveRight FMS.
3. Set the **Hard Acceleration Threshold**. The Hard Acceleration Threshold is used as the accel limit in DriveRight FMS.

Note: If you are using CarChip and DriveRight devices, make sure both types of devices use the same safety settings.



Add CarChip Wizard - Safety Settings

| Speed Bands | From (miles/hr) | To (miles/hr) |
|--------------|-----------------|---------------|
| Speed Band 1 | 0 | 35 |
| Speed Band 2 | 35 | 45 |
| Speed Band 3 | 45 | 65 |
| Speed Band 4 | 65 | |

| Hard Braking | |
|---------------------------|--------|
| Hard Braking Threshold | 0.34 G |
| Extreme Braking Threshold | 0.48 G |

| Acceleration | |
|--------------------------------|--------|
| Hard Acceleration Threshold | 0.31 G |
| Extreme Acceleration Threshold | 0.48 G |

Next Cancel Help

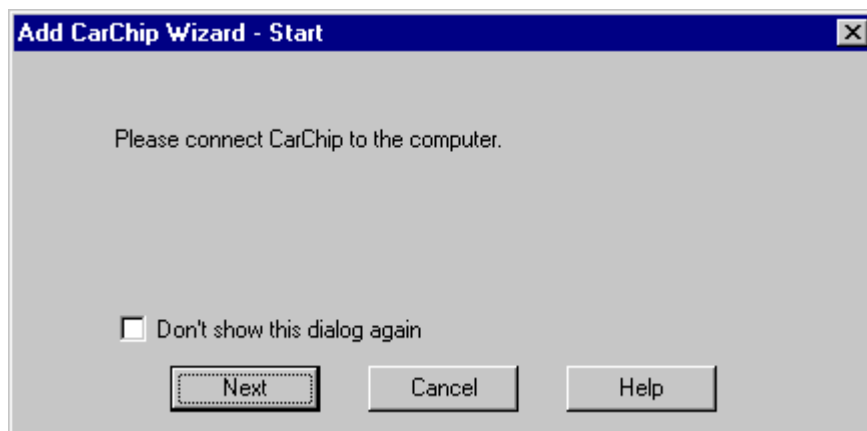
5. When you are satisfied with the safety settings, click on **Next** to continue. Otherwise click **Cancel** to exit the Add CarChip Wizard.

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Add CarChip Wizard - Start

1. Make sure the new CarChip Fleet device is connected to your computer before proceeding.
2. To skip this message in the future, check the "Don't show this dialog again" box.



Add CarChip Wizard - Start

Please connect CarChip to the computer.

☐ Don't show this dialog again

Next Cancel Help

3. Click **Next** to continue or click **Cancel** to exit.

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List of Data Parameters

The following vehicle data parameters can be logged by the CarChip data logger:

- **Vehicle Speed**
- **Engine Speed**
- **Throttle Position**
- **Coolant Temperature**
- **Engine Load**
- **Intake Manifold Pressure**
- **Air Flow Rate**
- **Intake Air Temperature**
- **Timing Advance**
- **Fuel Pressure**
- **Fuel System Status**
- **Short Term Fuel Trim (B1)**
- **Short Term Fuel Trim (B2)**
- **Long Term Fuel Trim (B1)**
- **Long Term Fuel Trim (B2)**
- **O2 Sensor Voltage (B1, S1)**
- **O2 Sensor Voltage (B1, S2)**
- **O2 Sensor Voltage (B1, S3)**
- **O2 Sensor Voltage (B1, S4)**
- **O2 Sensor Voltage (B2, S1)**
- **O2 Sensor Voltage (B2, S2)**
- **O2 Sensor Voltage (B2, S3)**
- **O2 Sensor Voltage (B2, S4)**
- **Battery Voltage**

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Review CarChip Identification Settings

The **Review Settings for New CarChip** dialog box displays at the end of the process for adding a new CarChip. Use the **Review Settings for New CarChip** dialog box Identification tab to review the CarChip ID assigned to the CarChip device. The Identification tab shows the ID assigned to the CarChip device.

The screenshot shows a dialog box titled "Review Settings For New CarChip" with a close button (X) in the top right corner. The dialog has four tabs: "Identification", "Safety Settings", "Parameter Settings", and "Misc Settings". The "Identification" tab is selected. Inside the dialog, there are five text input fields with labels to their left: "Company Location" (containing "NV"), "CarChip ID" (containing "1"), "Serial Number" (containing "J-7077-C"), "Vehicle ID" (containing "5"), and "Driver Name" (containing "John Key"). At the bottom of the dialog, there are three buttons: "Set", "Cancel", and "Help".

1. Review the identification information displayed.
2. Click **Set** to save the Identification Settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

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Review CarChip Miscellaneous Settings

The **Review Settings for New CarChip** dialog box displays at the end of the process for adding a new CarChip. Use the **Review Settings for New CarChip** dialog box Miscellaneous Settings tab to review the Alarm and LED Status of the CarChip. The Miscellaneous Settings tab displays the Alarm and LED status.

Review Settings For New CarChip

Identification | **Parameter Settings** | Misc Settings

Speed Bands

| | From (miles/hr) | To (miles/hr) |
|--------------|-----------------|------------------|
| Speed Band 1 | 0 | 45 |
| Speed Band 2 | 45 | 60 |
| Speed Band 3 | 60 | 70 (Speed Limit) |
| Speed Band 4 | 70 | |

Hard Braking

Hard Braking Threshold: 0.35 G (Decel Limit)

Extreme Braking Threshold: 0.50 G

Acceleration

Hard Acceleration Threshold: 0.30 G (Accel Limit)

Extreme Acceleration Threshold: 0.45 G

Set Cancel Help

1. Review the Alarm and LED statuses previously set.
2. Click **Set** to save the Miscellaneous Settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the CarChip default settings.

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Review CarChip Parameter Settings

The **Review Settings for New CarChip** dialog box displays at the end of the process for adding a new CarChip. Use the **Parameter Settings** tab in the dialog box to review the parameter settings for the CarChip.

1. Review the selections made for the vehicle data parameter settings.

| | Name | Interval | Seconds |
|-------------|---------------------|----------|---------|
| Parameter 1 | Vehicle Speed | 1 | Seconds |
| Parameter 2 | Engine Speed | 10 | Seconds |
| Parameter 3 | Coolant Temperature | 5 | Seconds |
| Parameter 4 | | | Seconds |
| Parameter 5 | | | Seconds |

2. Click **Set** to save the parameter settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See also:

List of Data Parameters

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Review CarChip Safety Settings

The **Review Settings for New CarChip** dialog box displays at the end of the process for adding a new CarChip. Use the Safety Settings tab in the dialog box to review the speed band and braking threshold changes to the CarChip device.

Review Settings For New CarChip

Identification | **Safety Settings** | Parameter Settings | Misc Settings

Speed Bands

| | From (miles/hr) | To (miles/hr) | |
|--------------|-----------------|---------------|---------------|
| Speed Band 1 | 0 | 45 | |
| Speed Band 2 | 45 | 60 | |
| Speed Band 3 | 60 | 70 | (Speed Limit) |
| Speed Band 4 | 70 | | |

Hard Braking

Hard Braking Threshold: 0.35 G (Decel Limit)

Extreme Braking Threshold: 0.50 G

Acceleration

Hard Acceleration Threshold: 0.30 G (Accel Limit)

Extreme Acceleration Threshold: 0.45 G

Set Cancel Help

1. Review the Speed Band ranges and Braking Thresholds previously set.
2. Click **Set** to save the Safety Settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the CarChip default settings.

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SmartCard Menu

SmartCard Menu

Use SmartCard Menu commands for functions dealing directly with the SmartCard device or the DriveRight devices in your fleet that are part of the SmartCard System..

Note: The SmartCard Reader must be connected and a valid SmartCard (meaning a card you wish to set up or an existing card you wish to download) must be connected to your computer to access SmartCard Menu commands.

The following DriveRight Menu commands are available:

SmartCard Download

SmartCard Setup Card

Transfer to DriveRight

Clear Transfer Data

SmartCard Erase

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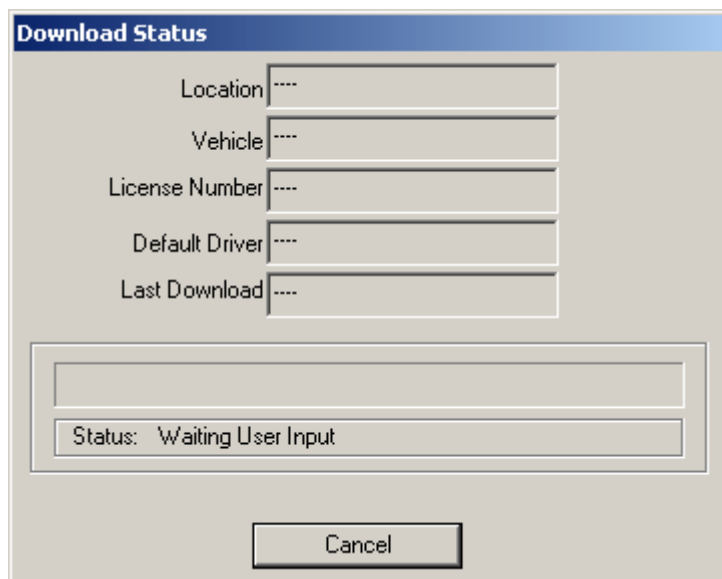
SmartCard Download

The SmartCard Download command allows you to download data from a SmartCard containing data. To use this function:

1. Insert the card you which to download into the Desktop Reader.

Note: If you have not already done so, test the connection between the SmartCard Desktop Reader by using the SmartCard Reader command in the **Setup** Menu.

2. Select Download from the **SmartCard** menu. The information in the card is automatically downloaded into the database for the assigned user and DriveRight, location, etc.



The image shows a 'Download Status' dialog box. It has a title bar with the text 'Download Status'. Inside the dialog, there are five labels on the left: 'Location', 'Vehicle', 'License Number', 'Default Driver', and 'Last Download'. Each label is followed by a text input field containing four dashes '----'. Below these fields is a larger rectangular area containing a status message: 'Status: Waiting User Input'. At the bottom of the dialog is a 'Cancel' button.

During the download process, the software could display any of the following status messages or error messages. They include:

- Data not properly downloaded from card.
- Vehicle not assigned to the corresponding DriveRight device
- If device settings don't match with the settings in the database.
- If the card is pulled out in the middle of downloading.

Note: The FMS software always prompts the user to download trip data before it will allow other information to be transferred onto the card. This ensures that the trip data is safely logged in the database. Adding items to transfer back to the DriveRight will overwrite trip data.

Once download is complete, the dialog box closes.

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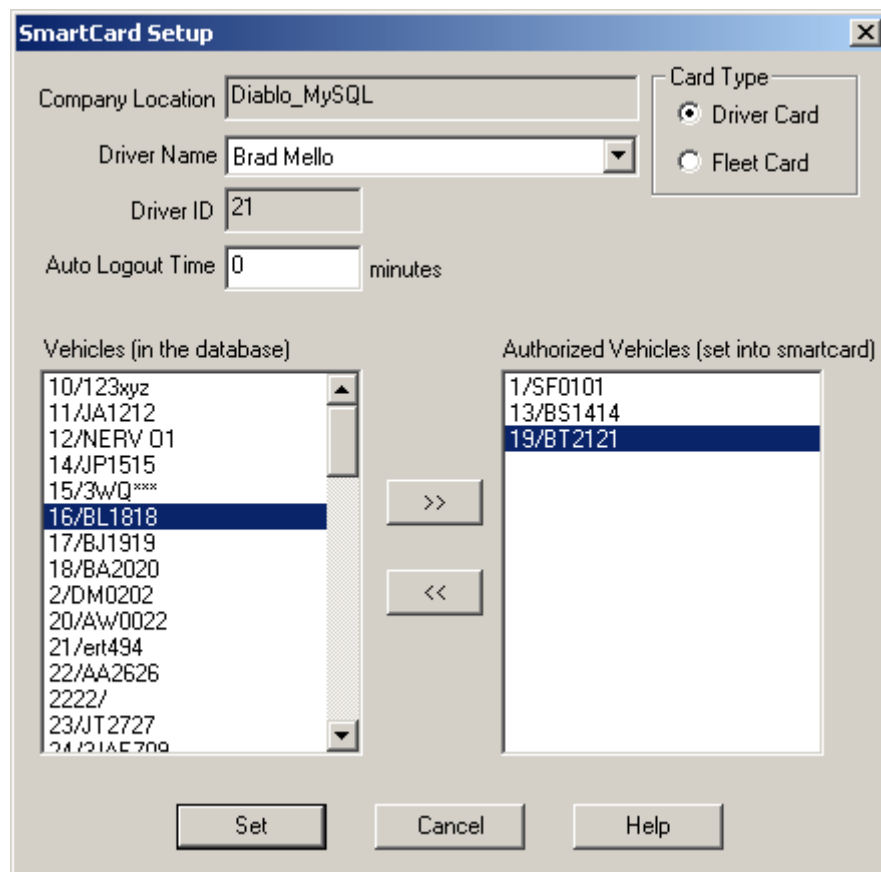
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Setup Card

The Setup Card command in the **SmartCard** menu allows you to program new unused SmartCards with Driver and DriveRight information.

To setup a new SmartCard:

1. Insert a new unused card into the Desktop Reader.
2. Select **Setup Card** from the **SmartCard** menu. The **Setup Card** dialog box is displayed.



The **SmartCard Setup** dialog box contains the following fields and controls:

- Company Location:** Text field with "Diablo_MySQL".
- Driver Name:** Dropdown menu with "Brad Mello".
- Driver ID:** Text field with "21".
- Auto Logout Time:** Text field with "0" and "minutes" label.
- Card Type:** Radio buttons for "Driver Card" (selected) and "Fleet Card".
- Vehicles (in the database):** List box containing:
 - 10/123xyz
 - 11/JA1212
 - 12/NERV 01
 - 14/JP1515
 - 15/3wQ***
 - 16/BL1818 (selected)
 - 17/BJ1919
 - 18/BA2020
 - 2/DM0202
 - 20/AW0022
 - 21/ert494
 - 22/AA2626
 - 2222/
 - 23/JT2727
 - 24/21AC700
- Authorized Vehicles (set into smartcard):** List box containing:
 - 1/SF0101
 - 13/BS1414
 - 19/BT2121 (selected)
- Navigation:** ">>" and "<<" buttons between the vehicle lists.
- Buttons:** "Set", "Cancel", and "Help" at the bottom.

3. Select the **Driver Card** radio button if this card will be assigned to an individual driver or select **Fleet Card** if this card controls settings for all of your fleet.
4. Select the driver name the card is assigned to, or select **Unknown Driver** (none) if all drivers in your fleet have privileges to the same card. If a starter interrupter is put in place with the SmartCard System, this means the user having the proper DriveRight ID assigned to the driver card will allow that driver to start the vehicle.

5. Enter the **Auto Logout Time** for this card. This is the time span in which this card will automatically log itself out of a DriveRight System if the vehicle has not been started.
6. Select up to 5 vehicles the assigned driver has access to using this card from the **Vehicles in the Database** combo box and click **>>**. The selected vehicles display in the **Authorized Vehicles** list. If you wish to take off a vehicle from the **Authorized Vehicles** list, select the vehicle name and click **<<**.
7. Click **Set** to program the new SmartCard with this information or click cancel to exit without saving the new information to the SmartCard.

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SmartCard Transfer to DriveRight

SmartCard Transfer to DriveRight

Use the Transfer to DriveRight menu to assign a SmartCard information to transfer to a DriveRight device, such as driver identification, clock adjustment information, and driver lists. The commands available in the Transfer to DriveRight menu are:

Settings

Driver List

Clock Adjustment

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Transfer to DriveRight Settings

Transfer to DriveRight Settings

Use the Transfer to DriveRight Settings command to edit and transfer settings to a selected DriveRight Device via the SmartCard system.

To view or edit the DriveRight Settings that can be transferred to the DriveRight via the SmartCard:

1. Select Transfer to DriveRight in the **SmartCard** Menu.
2. Select Settings from the list of commands. The **Review Settings for SmartCard** dialog box is displayed.

Review Settings For SmartCard

Identification | Calibration | Units | Safety Settings | Timer Settings | Alarm Settings | Security Settings | GPS Settings

Company Location: USA

DriveRight Type: DriveRight 600

DriveRight ID:

Vehicle ID:

Default Driver:

Set Cancel Help

3. Select a tab to view or edit the following default settings:
 - Identification Settings: Select the DriveRight ID and Driver associated with the card.
 - Calibration Settings: Select calibration settings that the DriveRight device should use.
 - Unit Settings: Select the date, time and unit modes and click OK.
 - Safety Settings: Enter the speed, acceleration and deceleration limits and click OK.
 - Timer Settings: Enter the trip stop time and driver log out time and click OK.
 - Alarm Settings: Select the alarm mode. Warn if not logged in is an option.
 - Security Settings: Enter the security code (PIN code). Tamper indicator is an option.
 - GPS Settings: Turn the GPS logging and subsequent mapping feature on and off and select mapping features. Works only with DriveRight 600 and 600E units with GPS modules.
4. When your are finished, click **OK** to save any changes or click **Cancel** to exit without saving changes.

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Identification Settings - SmartCard

Use this command to identify the DriveRight device receiving the new settings from the SmartCard. The Identification settings control which DriveRight device gets the modifications assigned in the **Review Settings for SmartCard** dialog box.

To select the identification settings:

1. Select Transfer to DriveRight from the **SmartCard** Menu.
2. Select Settings from the Transfer to DriveRight submenu. The **Review Settings for SmartCard** dialog box is displayed. The Identification Tab is the default tab that is displayed upon opening the dialog box.

The screenshot shows a window titled "Review Settings For SmartCard". It has a tabbed interface with the following tabs: Identification, Calibration, Units, Safety Settings, Timer Settings, Alarm Settings, Security Settings, and GPS Settings. The "Identification" tab is active. Inside the tab, there are five input fields: "Company Location" with the text "USA", "DriveRight Type" with a dropdown menu showing "DriveRight 600", "DriveRight ID" with an empty text box, "Vehicle ID" with a dropdown menu, and "Default Driver" with an empty text box. At the bottom of the window, there are three buttons: "Set", "Cancel", and "Help".

3. Select the DriveRight device, ID, vehicle ID and default driver the device will be programmed to receive.
4. Click **Set** to save the Identification Settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See also:

Calibration Settings

Unit Settings

Safety Settings

Timer Settings

Alarm Settings

Security Settings

GPS Settings

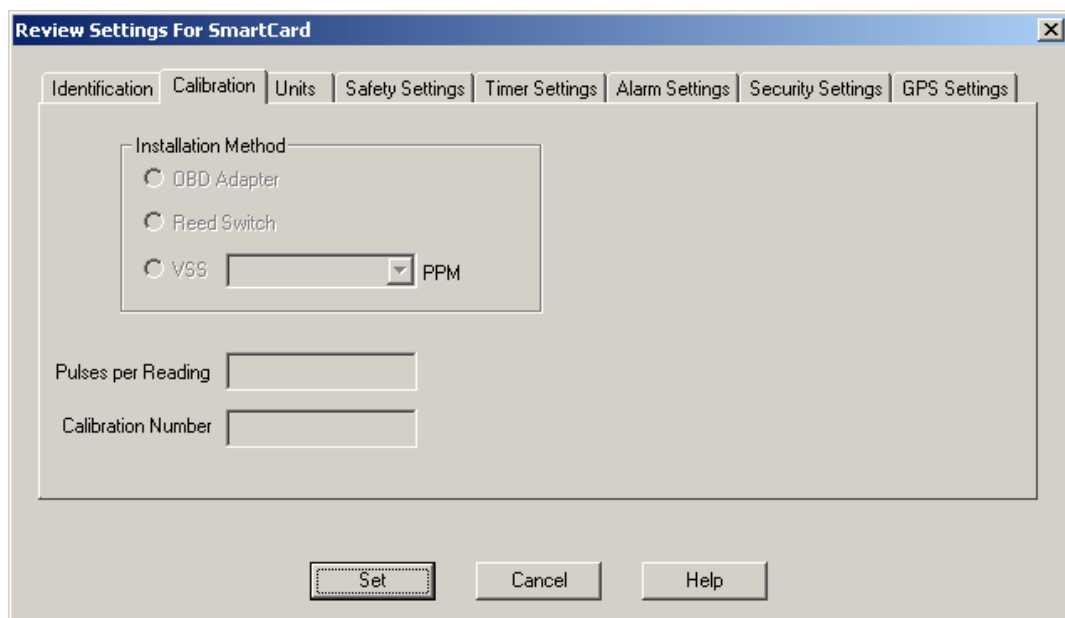
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Calibration Settings - SmartCard

Use this command to modify and edit the calibration settings for a specified DriveRight device. The calibration settings control how the DriveRight device is calibrated and monitoring the selected vehicle.

To select the calibration settings:

1. Select **Transfer to DriveRight** from the **SmartCard** Menu.
2. Select **Settings** from the **Transfer to DriveRight** submenu. The **Review Settings for SmartCard** dialog box is displayed.
3. Select the Calibration Settings tab near the top of the dialog box. The calibration settings options are displayed.



The screenshot shows the 'Review Settings For SmartCard' dialog box with the 'Calibration' tab selected. The dialog box has a title bar with a close button (X). Below the title bar are several tabs: Identification, Calibration (selected), Units, Safety Settings, Timer Settings, Alarm Settings, Security Settings, and GPS Settings. The main content area contains an 'Installation Method' group box with three radio buttons: 'OBD Adapter', 'Reed Switch', and 'VSS'. The 'VSS' radio button is selected, and next to it is a text input field with a dropdown arrow, currently showing 'PPM'. Below this group box are two more text input fields: 'Pulses per Reading' and 'Calibration Number'. At the bottom of the dialog box are three buttons: 'Set' (highlighted with a dashed border), 'Cancel', and 'Help'.

4. Describe the installation method or the type of connections/hookups used to connect the device to the vehicle in the Installation Method group box.
5. Click **Set** to save the calibration settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See also:

Identification Settings

Unit Settings

Safety Settings

Timer Settings

Alarm Settings

Security Settings

GPS Settings

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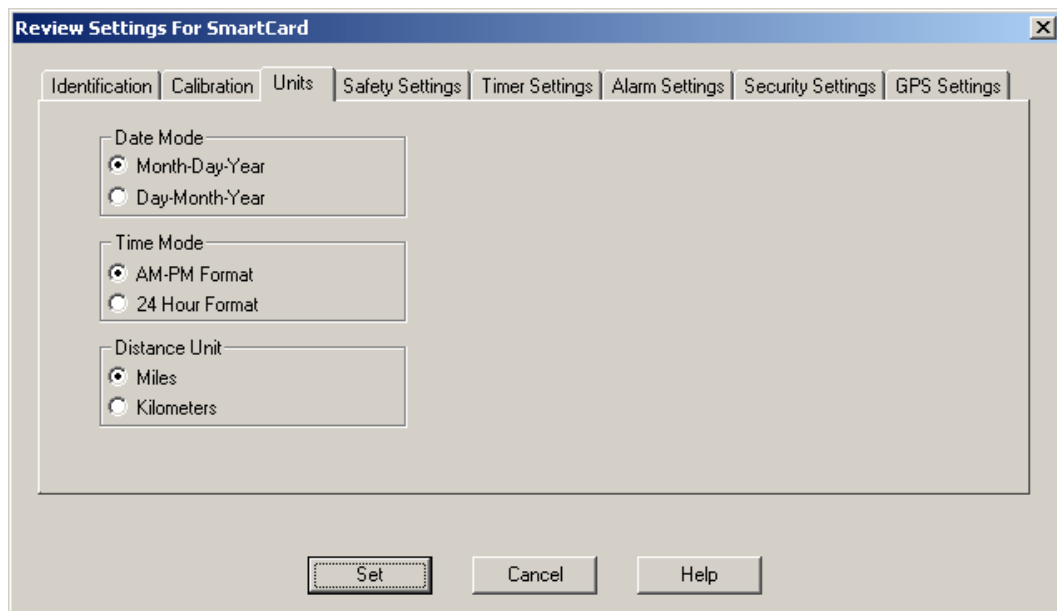
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Unit Settings - SmartCard

Use this command to create default unit settings that can be used by all the vehicles in your fleet.

To set default unit settings:

1. Select **Transfer to DriveRight** from the **SmartCard** Menu.
2. Select **Settings** from the **Transfer to DriveRight** submenu. The **Review Settings for SmartCard** dialog box is displayed.
3. Select the Unit Settings tab near the top of the dialog box.



4. Edit the unit settings for your fleet.
 - Date Mode settings control the way month, day, and year are displayed.
 - Time Mode settings control the time of day display.
 - Distance Unit settings allows you to select miles and miles per hour or kilometers and kilometers per hour as your speed and distance units.
5. Click **Set** to save the settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See also:

Identification Settings

Calibration Settings

Safety Settings

Timer Settings

Alarm Settings

Security Settings

GPS Settings

Back to Transfer to DriveRight | SmartCard Menu

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Safety Settings - SmartCard

Use this command to create safety settings for the specified DriveRight.

To set safety settings:

1. Select **Transfer to DriveRight** from the **SmartCard** Menu.
2. Select **Settings** from the **Transfer to DriveRight** submenu. The **Review Settings for SmartCard** dialog box is displayed.
3. Select the Safety Tab near the top of the dialog box.

The screenshot shows a dialog box titled "Review Settings For SmartCard". It has a tabbed interface with the following tabs: Identification, Calibration, Units, Safety Settings (which is the active tab), Timer Settings, Alarm Settings, Security Settings, and GPS Settings. The "Safety Settings" tab contains three input fields: "Speed Limit" with the value "65", "Accel Limit" with the value "0.30", and "Decel Limit" with the value "0.35". At the bottom of the dialog box, there are three buttons: "Set", "Cancel", and "Help".

4. Set the Speed Limit, which is the maximum allowable vehicle speed.

5. Set the Accel Limit, which is the maximum allowable rate of acceleration.
6. Set the Decel Limit, which is the maximum allowable rate of deceleration.
7. Click **Set** to save the settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the settings.

See Also:

Identification Settings

Calibration Settings

Unit Settings

Timer Settings

Alarm Settings

Security Settings

GPS Settings

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Timer Settings - SmartCard

Use this command to create timer settings used by the DriveRight devices controlled by the current SmartCard.

To set timer settings:

1. Select Transfer to DriveRight from the **SmartCard** Menu.
2. Select Settings from the Transfer to DriveRight submenu. The **Review Settings for SmartCard** dialog box is displayed.

3. Select the Timer Settings tab near the top of the dialog box.

Review Settings For SmartCard

Identification | Calibration | Units | Safety Settings | **Timer Settings** | Alarm Settings | Security Settings | GPS Settings

Stop Time

Trip Stop Time : 10 minutes

Note : A DriveRight will end a trip when this time has expired

Logout Time

Driver ID Logout Time : 2 minutes

Note : A DriveRight will automatically log out a Driver ID when this time has expired. If the Logout Time is set to 0 minutes, then the DriveRight will never log the driver out.

Set Cancel Help

4. Set the trip stop time in minutes. The trip stop time is the number of minutes that elapse after a vehicle stops before the DriveRight stops recording trip data.
5. Set the Driver ID Logout Time in minutes. Use a logout time of "0" to never log out the driver. The Driver ID Logout Time is the number of minutes that elapse after a vehicle stops before the driver is logged out of the DriveRight.
6. Click Set to save the settings, click Cancel to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See Also:

Identification Settings

Calibration Settings

Unit Settings

Safety Settings

Alarm Settings

Security Settings

GPS Settings

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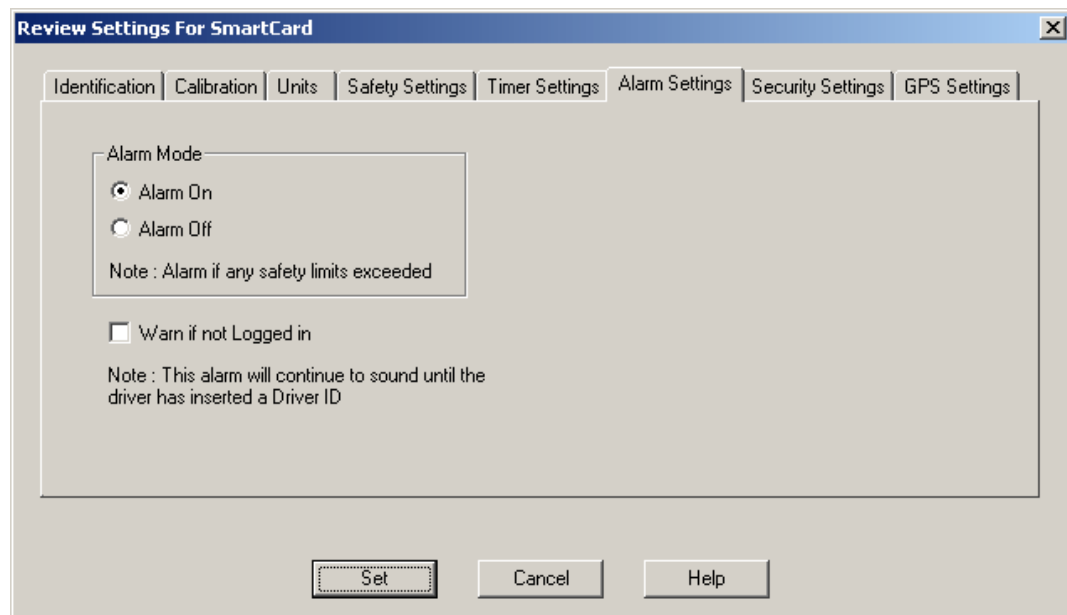
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Alarm Settings - SmartCard

Use this command to create default alarm settings for a specified DriveRight device. The alarm settings control the audible alarms used to indicate when the safety settings thresholds are exceeded.

To set default alarm settings:

1. Select **Transfer to DriveRight** from the **SmartCard** Menu.
2. Select **Settings** from the **Transfer to DriveRight** submenu. The **Review Settings for SmartCard** dialog box is displayed.
3. Select the Alarm Settings tab near the top of the dialog box. The alarm settings options are displayed.



4. Set the Alarm Mode to On or Off. This controls audible alarm reporting by the DriveRight device.
5. Enable "Warn if not Logged in" to have the DriveRight device give an audible alarm if the vehicle is operated without the driver first entering his or her driver code.
6. Click **Set** to save the alarm settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See also:

Identification Settings

Calibration Settings

Unit Settings

Safety Settings

Timer Settings

Security Settings

GPS Settings

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Security Settings - SmartCard

Use this command to create security settings for the specified DriveRight.

To set security settings:

To select the identification settings:

1. Select Transfer to DriveRight from the **SmartCard** Menu.
2. Select Settings from the Transfer to DriveRight submenu. The **Review Settings for SmartCard** dialog box is displayed.
3. Select the Security Settings Tab near the top of the dialog box.

Review Settings For SmartCard

Identification | Calibration | Units | Safety Settings | Timer Settings | Alarm Settings | **Security Settings** | GPS Settings

Pin Code

Security PIN Code : 0

Note : This code is necessary to enable a manager to set calibration and alarm settings

Tamper Indicator

☐ Enable tamper indicator. (600 & 600E Only)

Note : The tamper indicator will illuminate if this option is selected

☐ Disable Login on Console (600E Only)

If this option is selected, drivers must use their SmartCards to login

Set Cancel Help

4. Set the Pin Code, which is required to set the calibration and alarm settings on the DriveRight device.
5. If desired, you can enable the tamper indicator. If enabled, the tamper indicator on the DriveRight LCD screen will be displayed when a tamper event has been detected.
6. If desired, you can disable Login from the console so that a driver can log into the device using only the SmartCard. Check the **Disable Login on Console** box to disable console Login. This application is available for DriveRight 600E devices only.
7. Click **Set** to save the settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight settings.

See Also:

Identification Settings

Calibration Settings

Unit Settings

Safety Settings

Timer Settings

Alarm Settings

GPS Settings

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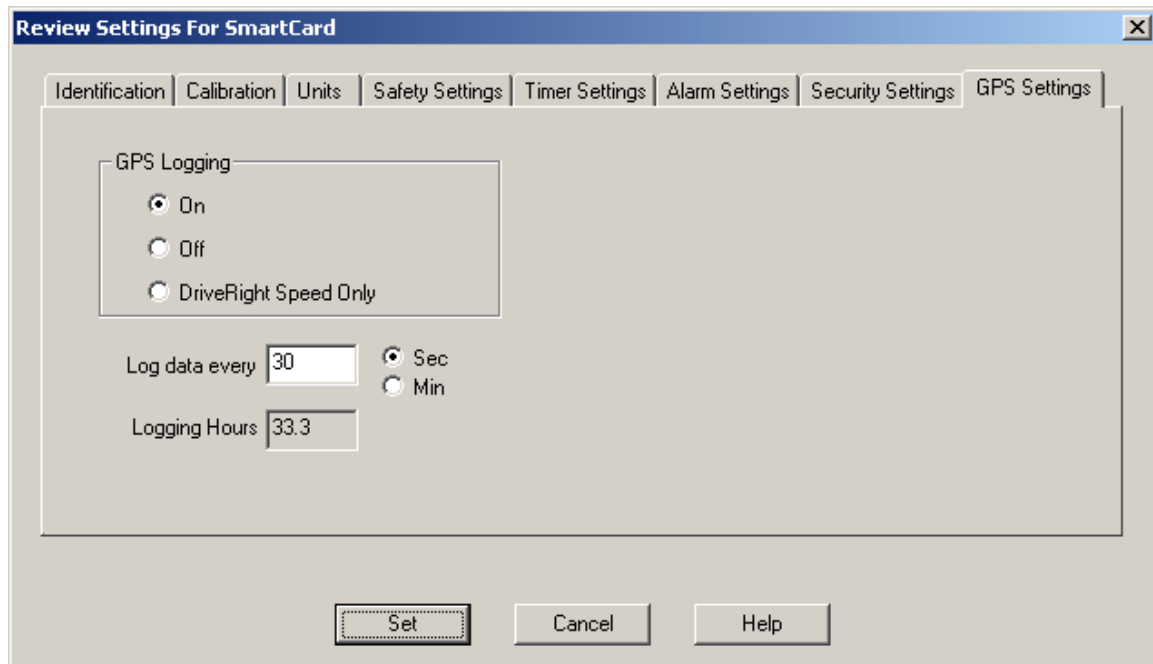
GPS Settings - SmartCard

Use this command to view and edit the GPS settings that can be used by the specified vehicle.

Note: Even if this feature is toggled on an off, it will only work with corresponding DriveRight 600 units with GPS modules.

To set GPS logging settings:

1. Select **Transfer to DriveRight** from the **SmartCard** Menu.
2. Select **Settings from the Transfer to DriveRight** submenu. The **Review Settings for SmartCard** dialog box is displayed.
3. Select the GPS Settings tab near the top of the dialog box. The GPS settings options are displayed.



4. Click **On** to turn the GPS logging feature on for all the units with a GPS module. Select **Off** to turn off the GPS feature for all DriveRight Devices. Select **DriveRight Speed Only** to log and track only the DriveRight Speed. This feature logs and tracks only the DriveRight speed for DriveRight 600 devices that are not assembled with a GPS module.
5. If **On** or the **DriveRight Speed only** button has been selected, select the Logging interval time and corresponding time unit in the **Log Data Every** text field. The amount of logging hours this used for this feature are displayed in Logging Hours.
6. Click **Set** to save the settings, click **Cancel** to exit without saving the settings, or click on another tab to make additional changes to the DriveRight default settings.

See also:

Identification Settings

Calibration Settings

Unit Settings

Safety Settings

Timer Settings

Alarm Settings

Security Settings

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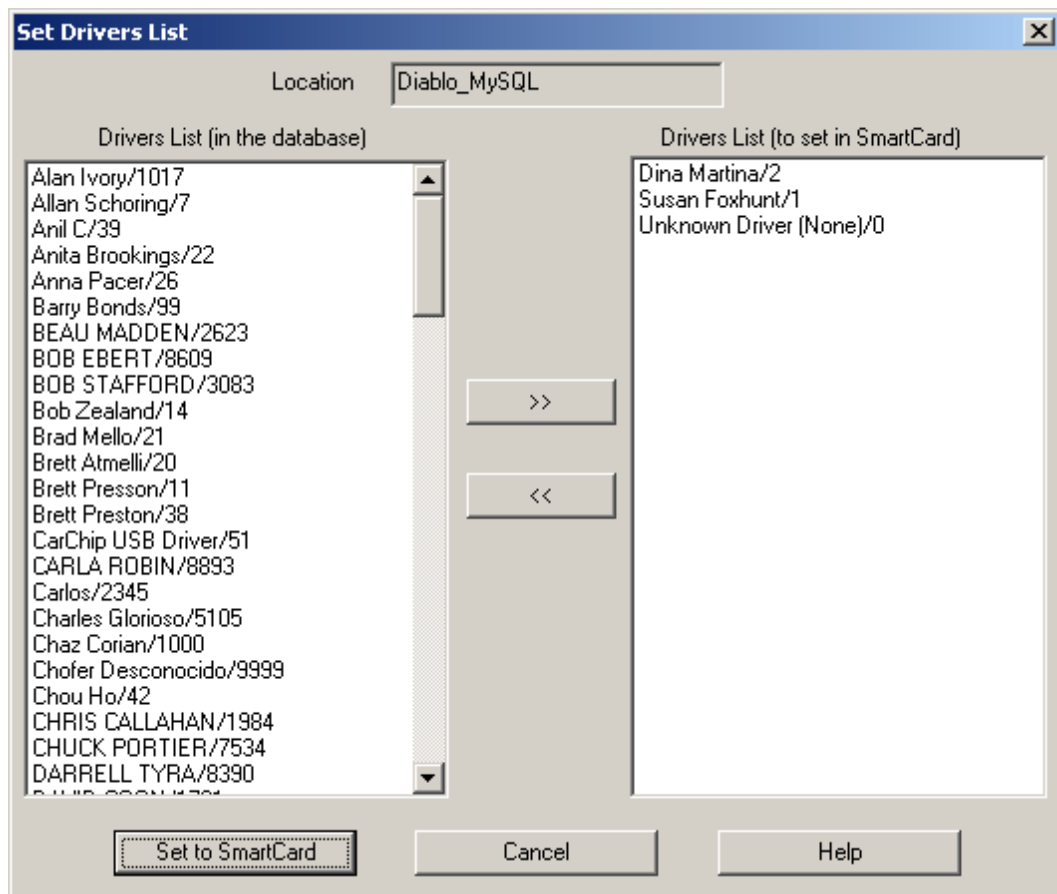
Drivers List

The Drivers List dialog box allows you to set the user identifications assigned to the SmartCard currently inserted on the desktop reader.

Note: The Drivers List dialog box should not be used in conjunction with DriveRight 500 devices. This feature is compatible with DriveRight 600 devices and allows you to select up to 100 drivers per device.

To access the Drivers List:

1. Select Transfer to DriveRight from the **SmartCard** Menu.
2. Select Drivers List from the Transfer to DriveRight submenu. The **Set Drivers List** dialog box is displayed.



3. Select the driver name/identification number the card is assigned to, and/or select **Unknown Driver** (none) if all drivers in your fleet have privileges to the same card, and click the >> button. The selected drivers display in the **Drivers List (to set in SmartCard)** combo box. If you wish to take off a driver from this list, select the driver name and click the << button.
4. Click **Set to SmartCard** to program the new SmartCard with this information or click **Cancel** to exit without saving the new information to the SmartCard.

Back to Transfer to DriveRight | SmartCard Menu

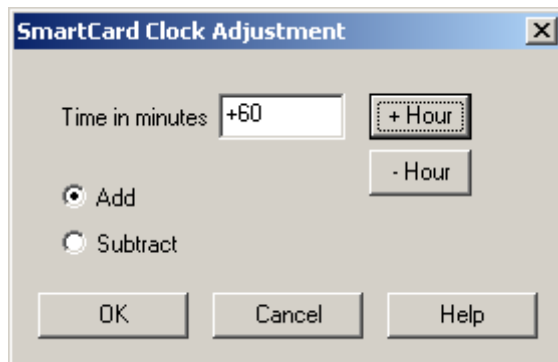
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Clock Adjustment

The Clock Adjustment dialog box allows you to set control clock changes to the DriveRight using the SmartCard..

To adjust the DriveRight clock:

1. Select **Transfer to DriveRight** from the **SmartCard** Menu.
2. Select **Clock Adjustment** from the **Transfer to DriveRight** submenu. The **Clock Adjustment** dialog box is displayed.



3. Click the **+ Hour** button set the DriveRight clock 1 hour ahead, the **- Hour** set the clock back an hour. Use the **Add** and **Subtract** buttons to add or subtract a specified number of minutes from the DriveRight clock time.
4. Click **OK** to save the new clock settings, or **Cancel** to exit the Clock Adjustment dialog box without saving.

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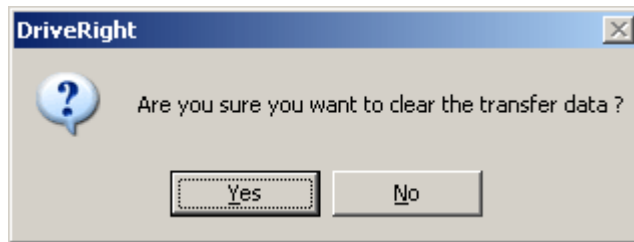
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SmartCard Clear Transfer Data

The Clear Transfer Data dialog box allows you to clear all of the settings and transfer information you stored on the SmartCard.

To clear the transfer data:

1. Select **Clear Transfer Data** from the **SmartCard** Menu. The **Clear Transfer Data** dialog box is displayed:



2. Click **Yes** to clear the transfer data or **No** to exit the dialog box without clearing the data.

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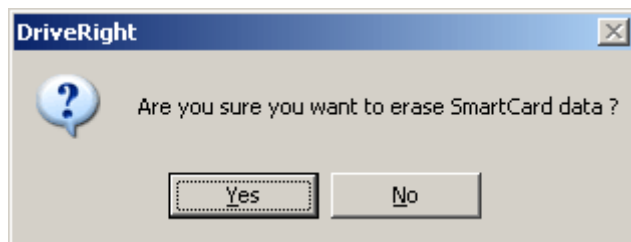
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SmartCard Erase

The Erase dialog box allows you to erase all the stored information on your SmartCard.

To erase the SmartCard:

1. Select **Erase** from the **SmartCard** Menu. The **Erase** dialog box is displayed:



2. Click **Yes** to erase the SmartCard or **No** to exit the dialog box without erasing the SmartCard.

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Wireless Menu

Wireless Menu

The Wireless Menu contains commands for configuring wireless devices, controlling the wireless communication and downloading features for the Wireless Download System. These new features, along with the Base Station (# 8130), Wireless On-Board Module (# 8129), and the Configuration Cable for Wireless On-Board Module (# 8131) give your fleet the ability to download data directly from the DriveRight devices to FMS without physically removing the DriveRight devices from the vehicle. The data moves wirelessly from the vehicle to FMS.

Note: Before using the Wireless Download feature, the Base Station(s) and Wireless On-Board Module(s) must be configured using FMS. See the *Base Station Installation Manual* and *Configuration Cable for Wireless On-Board Module Installation Manual* for more information.

The following **Wireless** Menu commands are available:

Add New Base Station

Add New Wireless On-Board Module

Scan Wireless On-Board Modules

Setup Automatic Wireless Download

Start Manual Wireless Download

Upgrade Firmware

Select Operating Region

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Add New Base Station

The **Add New Base Station** dialog box configures the Base Station to wirelessly communicate with Wireless On-Board Modules and allows you to assign a position to it that makes it easily identifiable throughout FMS.

To add a new Base Station:

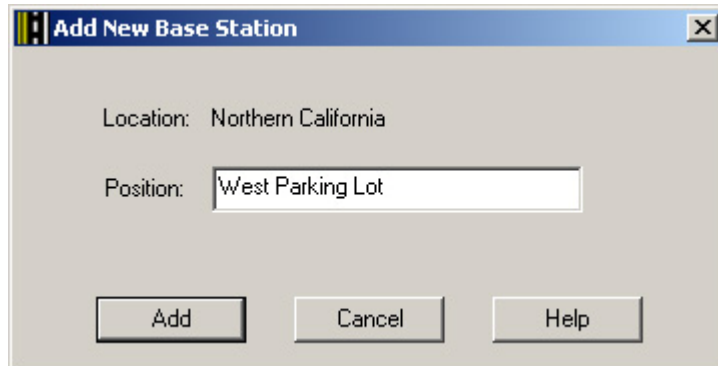
1. Connect your Base Station to the computer's USB port.
2. Select **Add New Base Station** from the **Wireless** Menu. If this is the first time a Base Station or Wireless On-Board Module has been added to FMS, the **Select Operating Region** dialog box displays.



3. Select among the three choices displayed: **North America**, **Europe**, or **Other**. The operating region determines the power level of the wireless devices. Select **Europe** if the power levels of the wireless devices must not exceed CE certification requirements of less than 10 dBm. Select **North America** if the power levels of the wireless devices must

not exceed FCC or IC certification requirements of less than 30 dBm. Select **Other** if the operating region is not North America or Europe.

- Click **OK** to save the operating region information or click **Cancel** to exit without saving. The **Add New Base Station** dialog box displays.



The dialog box displays the location and the **Position** text field. If the Base Station belongs to a different location, select the correct location from the Current Location dialog box before adding the Base Station.

- Enter a position description in the **Position** text box. The maximum number of characters for the **Position** text box is 32.
- Click **Add** to add the new Base Station or **Cancel** to exit the dialog box without saving the new Base Station.

If you clicked **Add**, a dialog box is displayed to confirm that the Base Station has been added to FMS.



- Click **OK** to exit the dialog box.

See Also:

[How to Add a Base Station](#)

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[Add New Wireless On-Board Module](#)

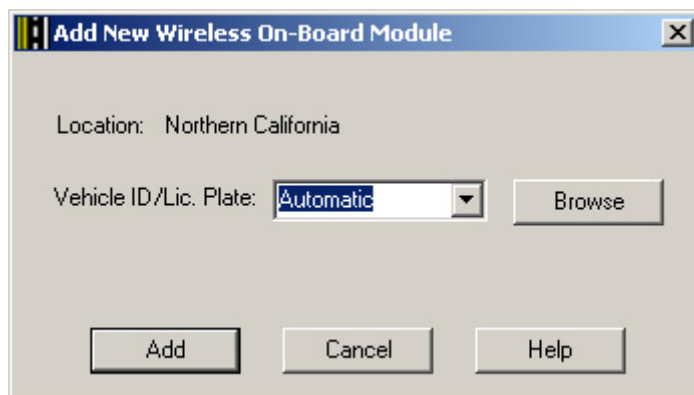
To add a new Wireless On-Board Module:

1. Use the Configuration Cable to connect the Wireless On-Board Module to your computer.
2. Select **Add New Wireless On-Board Module** from the **Wireless** Menu.

If this is the first time a Base Station or Wireless On-Board Module has been added to FMS, the **Select Operating Region** dialog box displays.



3. Select among the three choices displayed: **North America**, **Europe**, or **Other**. The operating region determines the power level of the wireless devices. Select **Europe** if the power levels of the wireless devices must not exceed CE certification requirements of less than 10 dBm. Select **North America** if the power levels of the wireless devices must not exceed FCC or IC certification requirements of less than 30 dBm. Select **Other** if the operating region is not North America or Europe. Once an operating region has been selected, the **Add New Wireless On-Board Module** dialog box displays.

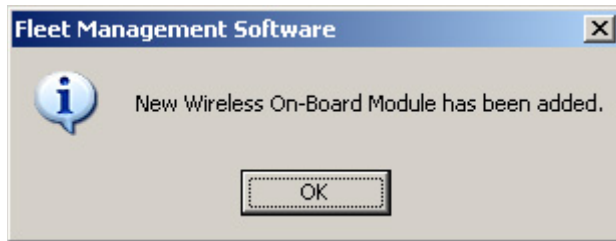


The dialog box displays the location the Wireless On-Board Module belongs to and the **Vehicle ID/Lic. Plate** drop-down list box.

4. Select a Vehicle ID or license plate number from the **Vehicle ID/Lic Plate** drop-down list box, or select **Automatic**. Selecting a Vehicle ID or License plate from the drop down list assigns the Wireless On-Board Module to that vehicle. Click **Browse** to display the Vehicles database table. Review the full list of available vehicles to better determine the vehicle that gets assigned to the Wireless On-Board Module. Select **Automatic** if you do not want to select a vehicle at this time. The next time either Scan Wireless On-Board Modules or Start Manual Wireless Download is selected, or an Automatic Wireless Download has occurred, the correct Vehicle ID will be assigned to the Wireless On-Board Module based on the vehicle information stored on the DriveRight device.

5. Click **Add** to add the new Wireless On-Board Module or **Cancel** to exit the dialog box without saving the new Wireless On-Board Module.

If you clicked **Add**, the **New Wireless On-Board Module** dialog box displays, confirming that the Wireless On-Board Module has been added to the FMS database and is configured for use with your wireless fleet.



6. Click **OK** to exit the dialog box.

Once the Wireless On-Board Module has been added to the FMS database, it can be installed in its assigned vehicle or any vehicle in your fleet if you selected **Automatic** in the **Vehicle ID/Lic Plate** drop-down list box. See the **DriveRight GPS/Wireless System Installation Manual** for more information on its installation and proper usage.

Note: The Wireless On-Board Module should only be installed to its assigned vehicle unless **Automatic** is selected when adding the module.

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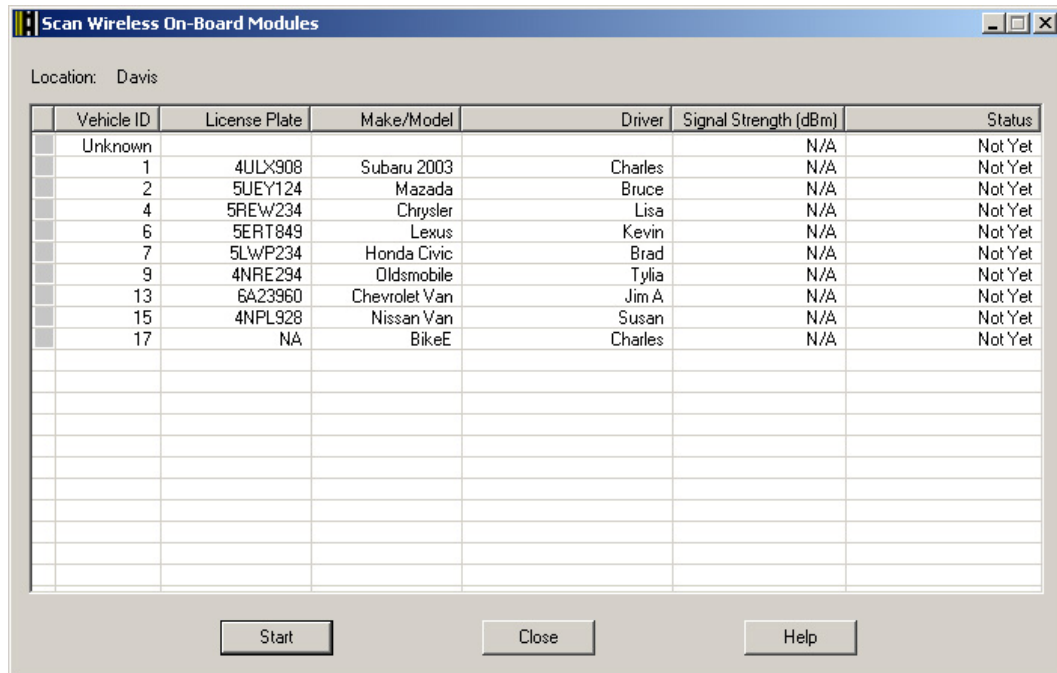
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Scan Wireless On-Board Modules

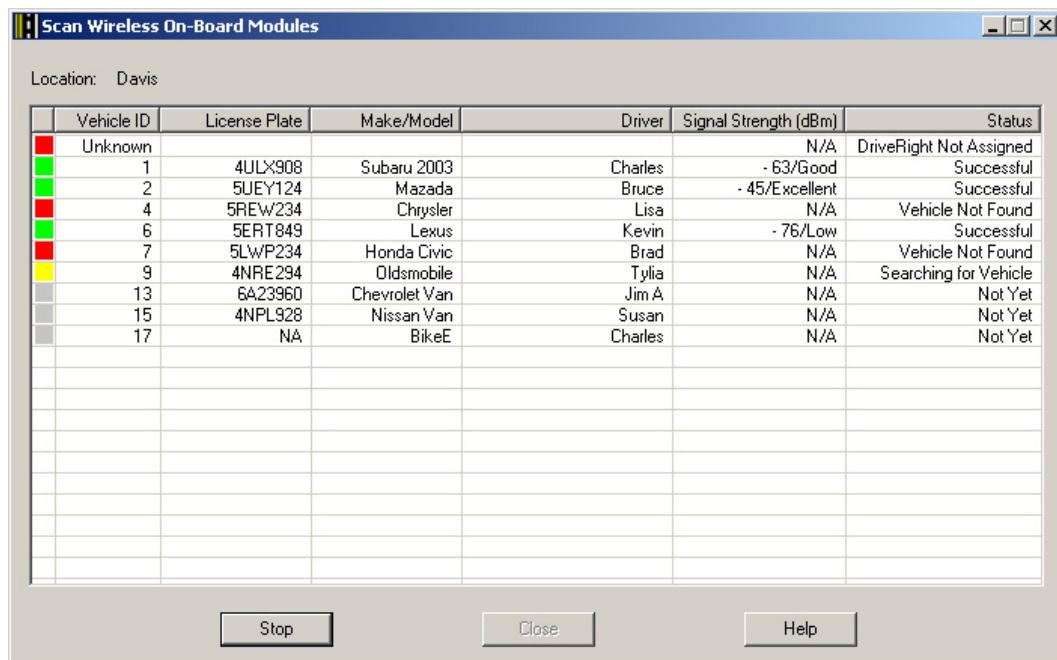
The **Scan Wireless On-Board Modules** dialog box uses the Base Station(s) to scan all of the Wireless On-Board Modules in the current location and displays the wireless communication status of each Wireless On-Board Module.

Note: At the top of each hour, the Wireless On-Board Module is turned off by the DriveRight Device for two minutes. This is done to allow the DriveRight to turn on the GPS module to refresh the satellite position periodically. This occurs even without a GPS module being physically connected to your DriveRight device. FMS will not be able to communicate with the Wireless On-Board Module(s) during this time.


1. Select **Scan Wireless On-Board Modules** from the **Wireless** Menu. The **Scan Wireless On-Board Modules** displays a list of all the Wireless On-Board Modules in your database associated with the currently selected location.





- Click **Start** to scan all of the Wireless On-Board Modules. As the Base Station scans for the Wireless On-Board Modules, the status of each of the modules displays under the Status column.




The color box provides a visual representation of the status for each of the Wireless On-Board Modules in the database. The color is updated throughout the scan process. The **Status** column on the right hand side of the dialog box also documents the status for each module. The possible statuses are:

 **Not Yet** - The Base Station has not yet scanned for the Wireless On-Board Module.

 **Searching for Vehicle** - The Base Station is currently searching for the Wireless On-Board module.

 **Successful** - The Base Station has successfully found and communicated with Wireless On-Board Module.

 **Failed** - The Base Station has not successfully communicated with or found errors in communicating with the Wireless On-Board Module. The scan will continue to search for the "Failed" Wireless On-Board Modules until the maximum of 10 retries has been reached. The following is a status list that corresponds to the red color box:

- **Vehicle ID Mismatch** - The Wireless On-Board Module is not installed in the assigned vehicle. To correct this problem, select the Wireless On-Board Module's record in the Wireless Devices database table and click **Edit**. The **Edit Wireless On-Board Module** dialog box displays information about the On-Board Module. Change the Vehicle ID field of the Wireless On-Board Module to **Automatic** to allow FMS to find the Vehicle's ID automatically. You can also install the Wireless On-Board Module into the assigned vehicle.
- **DriveRight Not Assigned** - The DriveRight has not been assigned to a vehicle or the DriveRight has not been added to the FMS database. Add the DriveRight and assign it to the corresponding vehicle. This status also occurs when there is an error communicating with the DriveRight device. See Wireless Device Communication Problems for more information.
- **Vehicle Not Found** - The Vehicle and Wireless On-Board Module are not within range of the Base Station.

3. Click **Stop** to abort the scan before it is completed or click **Close** to close the dialog box once the scan has completed. Please note that if you stop scanning before it completes the scan, the last vehicle it scans automatically contains a failed status.

Note: Since it is not required to select a vehicle when adding a new Wireless On-Board Module, Unknown is displayed under the Vehicle ID column to indicate that a vehicle has not been assigned to a Wireless On-Board Module. If the Wireless On-Board Module is connected to a vehicle that is not currently in the database, you need to add both the vehicle and DriveRight to the database in order for FMS to download successfully.

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Setup Automatic Wireless Download

The **Setup Automatic Wireless Download** dialog box lets you select when to automatically download some or all vehicles that are wirelessly connected to FMS.

Note: FMS has to be running for the Automatic Wireless Download to occur.

1. Select **Setup Automatic Wireless Download** from the **Wireless** Menu. The **Setup Automatic Wireless Download** dialog box lets you select the vehicles you want to automatically download daily.

By default, a vehicle associated with a newly added Wireless On-Board Module is

automatically placed in the **Vehicles in Download Queue** list. This also applies to "Unknown" vehicles.

Setup Automatic Wireless Download

Location: Davis

Available Vehicles:

| VehicleID | License Plate | Driver |
|-----------|---------------|---------|
| Unknown | | |
| 9 | 4NRE294 | Tylia |
| 17 | NA | Charles |

Vehicles in Download Queue:

| VehicleID | License Plate | Driver |
|-----------|---------------|---------|
| 7 | 5LwP234 | Brad |
| 1 | 4ULX908 | Charles |
| 2 | 5UEY124 | Bruce |
| 4 | 5REW234 | Lisa |
| 6 | 5ERT849 | Kevin |
| 13 | 6A23960 | Jim A |
| 15 | 4NPL928 | Susan |

Start Time: 6:00:00 AM

Duration: 4 Hours

☒ Include Weekend

OK Cancel Help

The **Available Vehicles** list shows all available vehicles for the current location. The **Vehicles in the Download Queue** list shows the vehicles selected for automatic wireless download.

- Click **>>**, **All>>**, **<<**, or **All<<** to move the vehicles between these two lists.
- Enter the time FMS will begin the automatic download process in the **Start Time** box or click the **Up** or **Down** arrow buttons to change the start time. The default time is 6:00 PM.
- Enter the amount of time you would like FMS to search for the selected vehicles in the **Duration** box or click the **Up** or **Down** arrow buttons to increment or decrement the hours. The duration allows you to prolong the time for retries when the Wireless On-Board Modules are not immediately available for download, because they are either out of range or currently powered off.
- Check the **Include Weekend** box to automatically download all seven days of the week. "Weekend" is defined in the Usage Report Formula dialog box. If the start time selected in this dialog box falls within the "weekend" time frame selected in the **Usage Report Formula** dialog box, download will not take place during the day or days included in the "weekend" definition unless the **Include Weekend** box is checked.
- Click **OK** to save the automatic wireless download settings and prepare FMS to automatically download the Wireless On-Board Modules or click **Cancel** to exit without saving.

Note: Since it is not required to select a vehicle when adding a new Wireless On-Board Module, Unknown is displayed under the Vehicle ID column to indicate that a vehicle has not been assigned to the Wireless On-Board Module. If the Wireless On-Board Module is connected to a

vehicle that is not currently in the database, you need to add both the vehicle and DriveRight to the database in order for FMS to download successfully.

Note: Only one wireless download process is allowed at a time. If an automatic download is scheduled during a manual download, the automatic download will be delayed until the manual download is completed. If the duration period for the Automatic Download has expired before the manual download has finished, Automatic Download will not take place for that day.

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Start Manual Wireless Download

Different from the Automatic Wireless Download, The **Start Manual Wireless Download** dialog box lets you select some or all vehicles in your fleet to wirelessly download immediately once you press **Start Download**.

1. Select **Start Manual Wireless Download** from the **Wireless** Menu or click the *Manual Wireless Download Icon* from the toolbar. The **Start Manual Wireless Download** dialog box lets you select the vehicles you want to download at this time.

Location: Davis

Available Vehicles:

| VehicleID | License Plate | Driver |
|-----------|---------------|---------|
| Unknown | | |
| 6 | 5ERT849 | Kevin |
| 9 | 4NRE294 | Tylia |
| 17 | NA | Charles |
| 4 | 5REW234 | Lisa |

Vehicles in Download Queue:

| VehicleID | License Plate | Driver |
|-----------|---------------|---------|
| 1 | 4ULX908 | Charles |
| 2 | 5UEY124 | Bruce |
| 7 | 5LWP234 | Brad |
| 13 | 6A23960 | Jim A |
| 15 | 4NPL928 | Susan |

Duration: 4 Hours

Start Download Cancel Help

The **Available Vehicles** list shows all available vehicles for the displayed location. The **Vehicles in the Download Queue** list shows the vehicles selected for manual wireless download.

2. Click **>>**, **All>>**, **<<**, or **All<<** to move the vehicles between these two lists.
3. Enter the amount of time you would like FMS to search for the selected vehicles in the **Duration** box or click the **Up** or **Down** arrow buttons to increment or decrement the hours. The duration allows you to prolong the time for retries when the Wireless On-

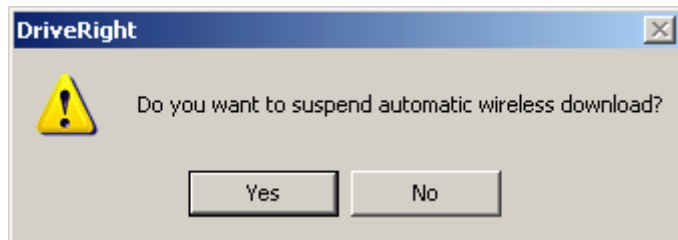
Board Modules are not immediately available for download, because they are either out of range or currently powered off.

4. Click **Start Download** to start the download or click **Cancel** to cancel the manual download.

The Wireless Download Status dialog box displays when you click **Start Download**.

Note: Since it is not required to select a vehicle when adding a new Wireless On-Board Module, Unknown is displayed under the Vehicle ID column to indicate that a vehicle has not been assigned to the Wireless On-Board Module. If the Wireless On-Board Module is connected to a vehicle that is not currently in the database, you need to add both the vehicle and DriveRight to the database for FMS to download through the Wireless On-Board Module successfully.

Note: Only one wireless download process is allowed at a time. If you select Start Manual Wireless Download from the Wireless Menu while an automatic wireless download is in progress or the Wireless Download Status dialog box is currently displaying, the *Do You Want to Suspend Automatic Wireless Download* dialog box displays. If you click **Yes**, the Automatic Download will be suspended until the manual download is completed. If the duration period for the Automatic Download expires before the manual download has finished, Automatic Download will not take place for that day.



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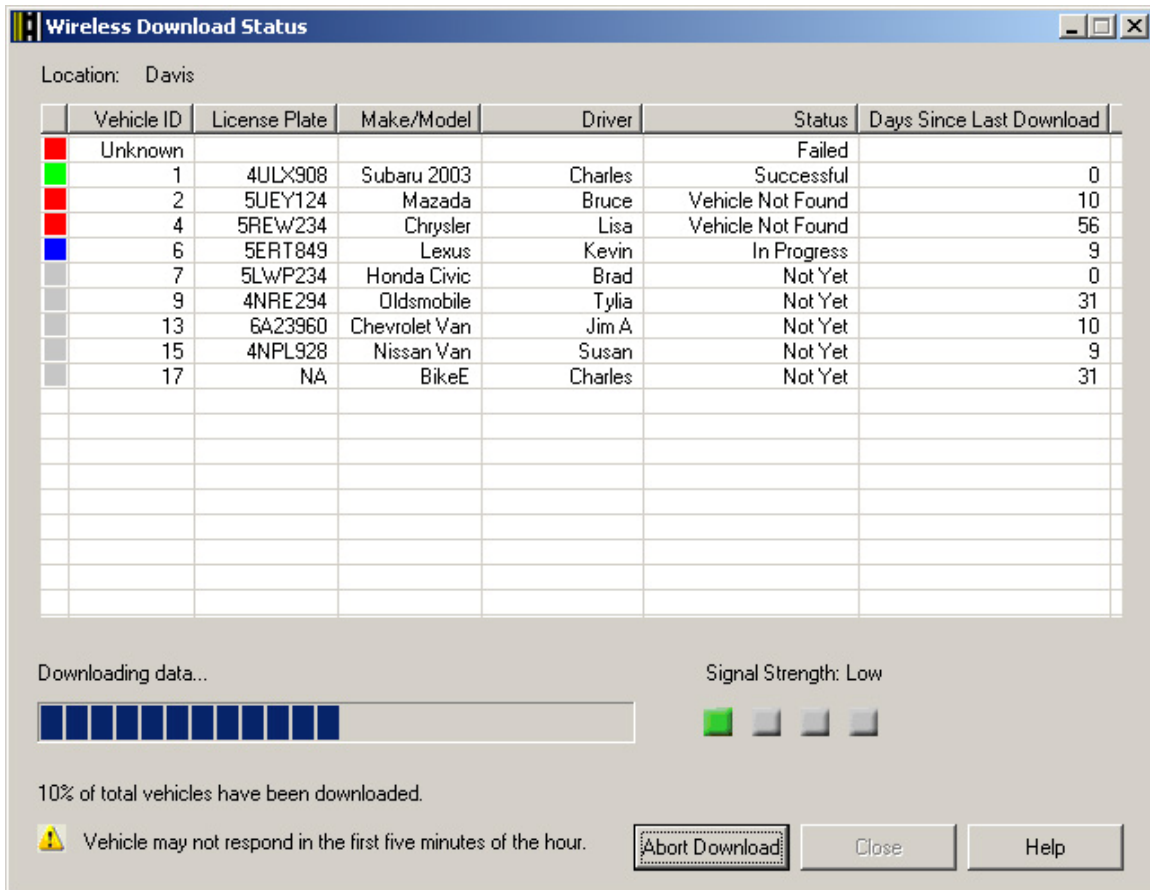
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Wireless Download Status

The **Wireless Download Status** dialog box displays when the time set in the Automatic Wireless Download dialog box has occurred or when you click **Start Download** in Start Manual Wireless Download dialog box.






Note: At the top of each hour, the Wireless On-Board Module is turned off by the DriveRight Device for two minutes, in order for the GPS module to connect with satellites. During this time, FMS will not be able to communicate with the Wireless On-Board Module(s), even if GPS is not included in your system.

The **Wireless Download Status** dialog box displays the progress and status of the vehicles you selected to download.



The **Wireless Download Status** dialog box displays a table with all the vehicles selected for download and their download status, as well as their assigned vehicle and driver information.

The color box provides a visual representation of the status for each of the Wireless On-Board Modules in the download list. The color is updated throughout the download process. The **Status** column on the right hand side of the dialog box also documents the status for each module. The possible statuses are:

-  **Not Yet** - The Base Station has not yet scanned for the Wireless On-Board Module.
-  **Searching for Vehicle** - The Base Station is currently searching for the Wireless On-Board Module.
-  **In Progress** - The Base Station is currently downloading DriveRight data through the Wireless On-Board Module.
-  **Successful** - The Base Station has successfully found and downloaded the Wireless On-Board Module.
-  **Failed** - The Base Station has not successfully communicated with or found errors in communicating with the Wireless On-Board Module. The download will continue to retry for the failed vehicles until the duration period you selected in the Setup Automatic Wireless Download or Start Manual Wireless Download dialog box has elapsed. The following is a status list that corresponds to the red color box:

- **Vehicle ID Mismatch** - The Wireless On-Board Module is not installed in the assigned vehicle. To correct this problem, select the Wireless On-Board Module's record in the Wireless Devices database table and click **Edit**. The **Edit Wireless On-Board Module** dialog box displays information about the On-Board Module. Change the Vehicle ID field of the Wireless On-Board Module to **Automatic** to allow FMS to find the Vehicle's ID automatically. You can also install the Wireless On-Board Module into the assigned vehicle.
- **DriveRight Not Assigned** - The DriveRight has not been assigned to a vehicle or the DriveRight has not been added to the FMS database. Add the DriveRight and assign it to the corresponding vehicle. This status also occurs when there is an error communicating with the DriveRight device. See Wireless Device Communication Problems for more information.
- **Vehicle Not Found** - The vehicle and Wireless On-Board Module are not within range of the Base Station.
- **Set Clock Failed** - The wireless download was completed successfully, but FMS failed to reset the DriveRight's clock. If the **Synchronize time and date after every download** box is checked in the Download Options dialog box, FMS synchronizes the DriveRight's internal time and date clock with the computer's clock after every download is completed.

Note: If there is a problem in synchronizing your DriveRight's clock, manually make sure the DriveRight clock is still correct, otherwise subsequent data logging may have incorrect time stamps.

Click **Abort Download** to stop the wireless download before it is completed or click **Close** to close the dialog box once the download has completed. Please note that if you abort the download before it completes the download, the last vehicle it scans will automatically contain a failed status.

Note: Since it is not required to select a vehicle when adding a new Wireless On-Board Module, Unknown is displayed under the Vehicle ID column to indicate that a vehicle has not been assigned to the Wireless On-Board Module. If the Wireless On-Board Module is connected to a vehicle that is not currently in the database, you need to add both the vehicle and DriveRight to the database in order for FMS to download successfully.

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Upgrade Firmware

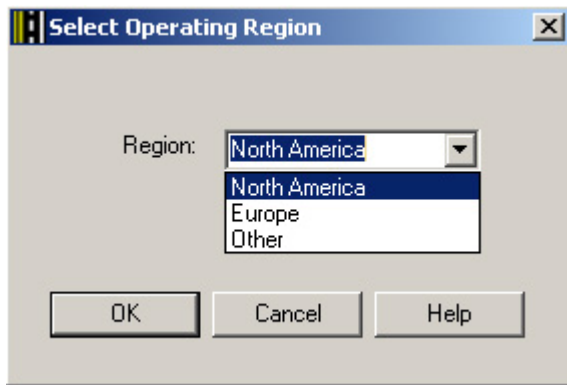
The **Upgrade Firmware** dialog box lets you update the firmware for both the wireless Base Station and Wireless On-Board Modules.

Note: To upgrade the firmware, connect the wireless device(s) to the USB port(s) of the computer. Both the Wireless On-Board Module and the Base Station share the same firmware.

To upgrade the firmware:

1. Select **Upgrade Firmware** from the **Wireless** Menu.

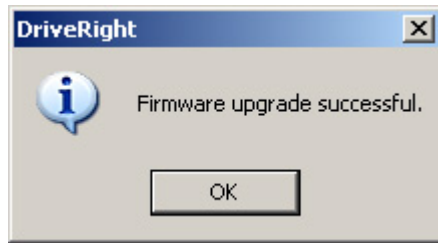
If this is the first time any wireless device has been connected to FMS, the **Select Operating Region** dialog box displays.



2. Select among the three choices displayed: **North America**, **Europe**, or **Other**. The operating region determines the power level of the wireless devices. Select **Europe** if the power levels of the wireless devices must not exceed CE certification requirements of less than 10 dBm. Select **North America** if the power levels of the wireless devices must not exceed FCC or IC certification requirements of less than 30 dBm. Select **Other** if the operating region is not North America or Europe.
3. Once an operating region has been selected, the **Upgrade Firmware** dialog box displays.



4. Select a wireless device that you would like to upgrade from the **Select Device to Upgrade** drop-down list. The device is listed either as Base Station or Wireless On-Board Module. If you have multiple Base Stations connected, select the Base Station by its position.
5. Click **Upgrade** if the **Current Firmware Version** is not the same as the **Latest Firmware Version** to upgrade the device firmware. A dialog box is displayed to confirm that the firmware has been upgraded successfully:



6. Click **OK** to exit the dialog box.
7. Click **Refresh** if you have connected another device to your computer. The **Select Device to Upgrade** drop-down list refreshes to include the newly connected device(s).
8. Click **Close** once you are finished upgrading all the wireless devices.

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Select Operating Region

The **Select Operating Region** dialog box lets you select an operating region to the wireless device(s). Selecting a region adjusts the operating legal power of the wireless device(s).

1. Select **Select Operating Region** from the **Wireless** Menu. The **Select Operating Region** dialog box displays.

The **Select Operating Region** dialog box displays automatically the first time you select Add New Base Station, Add New Wireless On-Board Module, or Upgrade Firmware from the **Wireless** Menu. The same operating region selection applies to all wireless devices added to the database.



2. Select among the three choices displayed: **North America**, **Europe**, or **Other**. The operating region determines the power level of the wireless devices. Select **Europe** if the power levels of the wireless devices must not exceed CE certification requirements of less than 10 dBm. Select **North America** if the power levels of the wireless devices must not exceed FCC or IC certification requirements of less than 30 dBm. Select **Other** if the operating region is not North America or Europe.

3. Click **OK** to save the operating region information or click **Cancel** to exit without saving.

Note: Changing the operating region at any time only affects the settings of the subsequently added wireless devices, not the ones that have been previously added to the system. To re-configure the setting for previously added devices, remove the wireless device(s) from the Wireless Devices database table in the **Database** menu, reconnect the device(s), change the operating region for the device(s), then add the wireless device(s) back into the database.

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Database Menu

Database Menu

Use the Database Menu options to open individual database tables. In the database table you can view and print records. You can also add, edit or delete records.

Caution: Take extra care before deleting Company Location, DriveRight, CarChip, Driver or Vehicle records.

The following Database Menu options are available:

Company Locations

DriveRights

CarChips

Wireless Devices

Driver Groups

Drivers

Fleets

Vehicles

Trips

Accident Logs

Tamper Logs

Trip Addresses

Days

Download Dates

GPS

Odometer Logs

Safety Score

Trouble Codes

Readiness Codes

Maintenance

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Company Locations

Use this command to view and edit data for company locations.

Caution: We strongly advise against changing a location name if you use FTP Export/FTP Import, since location name plays a very important role in these operations. If you do any kind of centralized data collection do not alter location name.

To view or edit data for company locations:

1. Select **Company Locations** from the **Database** menu. The Company Locations database table is displayed.
2. Click the Add New button to add a new company location.
3. Highlight a record in the database table and click Edit, or double-click a record to update the company location information.
4. Highlight a record in the database table and click **Delete** to delete that record.
5. Click **Close** to exit the database table.
6. Click **Print** to print the database table.

See also:

[Add Company Location](#)

[Update Company Location](#)

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DriveRights

Use DriveRights to view or edit data for installed DriveRight devices.

Note: You can only change the assigned vehicle when editing a DriveRight record.

To view or edit DriveRight data:

1. Select **DriveRights** in the **Database** menu. The DriveRights database table is displayed.
2. Click the Add New button to add a new DriveRight to the database. This button starts the Add New DriveRight Wizard.
3. Highlight a record in the database table and click Edit, or double-click a record to edit the information for a specific DriveRight device.
4. Highlight a record in the database table and click **Delete** to delete that record.
5. Click **Close** to exit the database table.
6. Click Print to print the database table.

See also:

Edit DriveRight Setup

Print DriveRights

Add New DriveRight Wizard

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CarChips

Use **CarChips** to view or edit data for installed CarChip devices.

Note: You can only change the assigned vehicle or the assigned driver when editing a CarChip record in the database table.

To view or edit CarChip data:

1. Select **CarChip** from the **Database** menu. The CarChip database table is displayed.
2. Click Add New to add a new CarChip to the database. This button starts the Add New CarChip Wizard.
3. Highlight a record in the database table and click Edit, or double-click a record to edit the information for a specific CarChip device.
4. Highlight a record in the database table and click **Delete** to delete that record.
5. Click **Close** to exit the database table.
6. Click Print to print the database table.

See also:

Edit CarChip Setup

Add New CarChip

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Driver Groups

Use Driver Groups in the **Database** menu to view or edit driver group data.

To view or edit driver group data:

1. Select **Driver Groups** in the **Database** menu. The Driver Groups database table is displayed.
2. Click Add New to add a new driver group to the database.
3. Highlight a record in the database table and click Edit, or double-click a record to edit the record.
4. Highlight a record in the database table and click **Delete** to delete that record.
5. Click **Close** to exit the database table.
6. Click **Print** to print the database table.

See also:

Add Drivers Group

Edit Drivers Group

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Wireless Devices

Use **Wireless Devices** to view or edit data for the wireless device(s) in your fleet.

To view or edit wireless device information:

1. Select **Wireless Devices** from the **Database** menu. The Wireless Devices database table is displayed.

2. Highlight a record in the database table and click **Edit**. The Edit Base Station or Edit Wireless On-Board Module dialog box displays.
3. Highlight a record in the database table and click **Delete** to delete that record.
4. Click **Close** to exit the database table.
5. Click Print to print the database table.

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Drivers

Use Drivers in the **Database** menu to view or edit driver data.

To view or edit driver data:

1. Select **Drivers** in the **Database** menu. The Drivers database table is displayed.
2. Click the Add New button to add a new driver to the database.
3. Highlight a record in the database table and click Edit, or double-click a record to edit the record.
4. Highlight a record in the database table and click **Delete** to delete that record.
5. Click **Close** to exit the database table.
6. Click Print to print the database table.

See also:

[Add Driver](#)

[Edit Driver](#)

[Print Drivers](#)

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Fleets

Use **Fleets** from the Database menu to view or edit fleet data.

To view or edit fleet data:

1. Select **Fleets** from the **Database** menu. The Fleets database table is displayed.
2. Click the Add New button to add a new fleet to the database.
3. Highlight a record in the database table and click Edit, or double-click a record to edit the record.
4. Highlight a record in the database table and click **Delete** to delete that record.
5. Click **Close** to exit the database table.
6. Click **Print** to print the database table.

See also:

Add Fleets

Edit Fleets

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Vehicles

Use **Vehicles** from the **Database** menu to view or edit vehicle data.

To view or edit vehicle data:

1. Select **Vehicles** from the **Database** menu. The Vehicles database table is displayed.
2. Click the Add New button to add a new vehicle to the database.
3. Highlight a record in the database table and click Edit, or double-click a record to edit the record.
4. Highlight a record in the database table and click **Delete** to delete that record.
5. Click **Close** to exit the database table.
6. Click Print to print the database table.

See also:

Add Vehicle

Edit Vehicle

Print Vehicles

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Trips

Use **Trips** from the **Database** menu to view, edit, or map trip data.

To view or edit trip data:

1. Select **Trips** from the **Database** menu. The Filter For Trips dialog box is displayed.
2. Select your desired filter options.
3. Click **OK** to show the Trips database table or click **Cancel** to exit the dialog box without opening the database table.
4. Click Add New to create a new record.
5. Click Set Filter to change the filter for the displayed records.
6. Highlight a trip record and click Edit to view or edit that record in the Update window.
7. Highlight a trip record and click **Delete** to delete the record.
8. Click **Close** to exit the database table.
9. Click Print to print the database table.
10. Highlight a trip record then click Export GPS to export GPS data from that trip, or, press Control-D to export GPS data for the entire day of the currently selected record.
11. Highlight a trip record then click Map to generate a Trip Mapping Report for that trip, or, press Control-D to generate a Day Mapping Report showing all trips taken the same day as the selected trip.

See also:

[Filter for Trips](#)

[Add Trip](#)

[Edit Trip](#)

[Print Trips](#)

[Export: GPS to Mapping Software](#)

[Trip Mapping Report](#)

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Accident Logs

Use the Accident Logs command in the Database menu to open the Accident Logs database table.

To open the Accident Logs database table:

1. Select the **Accident Logs** command in the **Database** menu. The Filter For Accident Logs dialog box is displayed.
2. Select your desired filter options.
3. Click **OK** to show the Accident Log database table or click **Cancel** to exit the dialog box without opening the database table.
4. Click Set Filter to change the filter for the displayed accident logs.
5. Highlight a specific accident record and click Edit to view that record in the Update Accident Log window.
6. Highlight a specific accident record and click Delete to delete a specific accident log record.
7. Click **Close** to exit the database table.
8. Click **Print** to print the database table.

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Tamper Logs

Use **Tamper Logs** from the **Database** menu to view tamper log data.

To view the Tamper Log data:

1. Select **Tamper Logs** from the **Database** menu. The Filter For Tamper Logs dialog box is displayed.
2. Select your desired filter options.
3. Click **OK** to show the Tamper Logs database table or click **Cancel** to exit the dialog box without opening the database table.
4. Click Set Filter to change the filter for the displayed records.
5. Highlight a specific record and click Edit to view that record in the Update window.

Note: You cannot edit tamper log data.

6. Highlight a specific record and click **Delete** to delete that record.
7. Click **Close** to exit the database table.
8. Click **Print** to print the database table.

See also:

[Filter for Tamper Logs](#)

[Edit Tamper Log](#)

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Trip Addresses

Use **Trip Addresses** from the **Database** menu to view or edit trip address data.

To view or edit trip address data:

1. Select **Trip Addresses** from the **Database** menu. The Trip Addresses database table is displayed.
2. Click the Add New button to add a new trip address to the database.
3. Highlight a record in the database table and click Edit, or double-click a record to edit the record.
4. Highlight a record in the database table and click **Delete** to delete that record.
5. Click **Close** to exit the database table.
6. Click **Print** to print the database table.

See also:

[Add Trip Address](#)

[Edit Trip Address](#)

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Days

Use **Days** in the **Database** menu to view or edit day data. Day data summarizes vehicle information by day. As the day data is composed from the trip database in the case of Trip Computer, Trip 500AL or DriveRight 600, you cannot add any data in this dialog box. While downloading data from a DriveRight, the day data will be processed and placed into the database.

To view or edit the day data:

1. Select **Days** in the **Database** menu. The Filter For Days dialog box is displayed.
2. Select your desired filter options.
3. Click **OK** to show the Days database table or click **Cancel** to exit the dialog box without opening the database table.
4. Click Set Filter to change the filter for the displayed records.
5. Highlight a specific record and click Edit to view that record in the Update window.
6. Highlight a specific record and click **Delete** to delete that record.
7. Click **Close** to exit the database table.
8. Click Print to print the database table.
9. Highlight a trip record then click Export GPS to export GPS data for trips taken on that day.
10. Highlight a trip record then click **Map** to create a Day Map for trips taken on that day.

See also:

Filter for Days

Edit Days

Print Days

Export: GPS to Mapping Software

Creating a Day Map

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Download Dates

Use Download Dates in the **Database** menu to view or edit the download dates data.

To view or edit the download dates data:

1. Select **Download Dates** from the **Database** menu. The Filter For Download Dates dialog box is displayed.
2. Select your desired filter options.

3. Click **OK** to show the Download Dates browse window or click **Cancel** to exit the dialog box without opening the browse window.
4. Click Add New to create a new record.
5. Click Set Filter to change the filter for the displayed records.
6. Highlight a specific record and click Edit to view that record in the Update window.
7. Highlight a specific record and click **Delete** to delete that record.
8. Click **Close** to exit the database table.
9. Click **Print** to print the database table.

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GPS

Use **GPS** from the **Database** menu to view or edit GPS data.

To view or edit GPS data:

1. Select **GPS** from the **Database** menu. The Filter For GPS dialog box is displayed.
2. Select your desired filter options.
3. Click **OK** to show the GPS database table or click **Cancel** to exit the dialog box.
4. Click Set Filter to change the filter for the displayed records.
5. Highlight a specific record and click Edit to view the selected record.
6. Highlight a specific record and click **Delete** to delete that record.
7. Click **Close** to exit the database table.
8. Click Print to print the database table.

See also:

[Filter for GPS](#)

[Edit GPS](#)

[Print GPS](#)

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Odometer Logs

Use the Odometer Logs command in the Database menu to view or edit odometer log data.

To view or edit odometer log data:

1. Select **Odometer Logs** from the **Database** menu. The Filter For Odometer Logs dialog box is displayed.
2. Select your desired filter options.
3. Click **OK** to show the **Odometer Logs** database table or click **Cancel** to exit the dialog box without opening the database table.
4. Click Set Filter to change the filter for the displayed records.
5. Highlight a specific record and click Edit to edit the selected record.
6. Highlight a specific record and click **Delete** to delete that record.
7. Click **Close** to exit the database table.
8. Click **Print** to print the database table.

See also:

[Filter for Odometer Logs](#)

[Edit Odometer Log](#)

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Safety Score

Use **Safety Score** from the **Database** menu to view Safety Score data or to edit a driver's exempt status for a given month.

To display the Safety Score database table:

1. Select **Safety Score** in the **Database** menu. The Filter For Safety Score dialog box is displayed.
2. Select your desired filter options.
3. Click **OK** to show the Safety Score database table or click **Cancel** to exit the dialog box without opening the database table.
4. Click Set Filter to change the filter for the displayed records.

5. Highlight a specific record and click **Edit** to edit the selected record.
6. Highlight a specific record and click **Delete** to delete that record.
7. Click **Close** to exit the database table.
8. Click **Print** to print the database table.

See also:

Filter For Safety Score

Edit Safety Score

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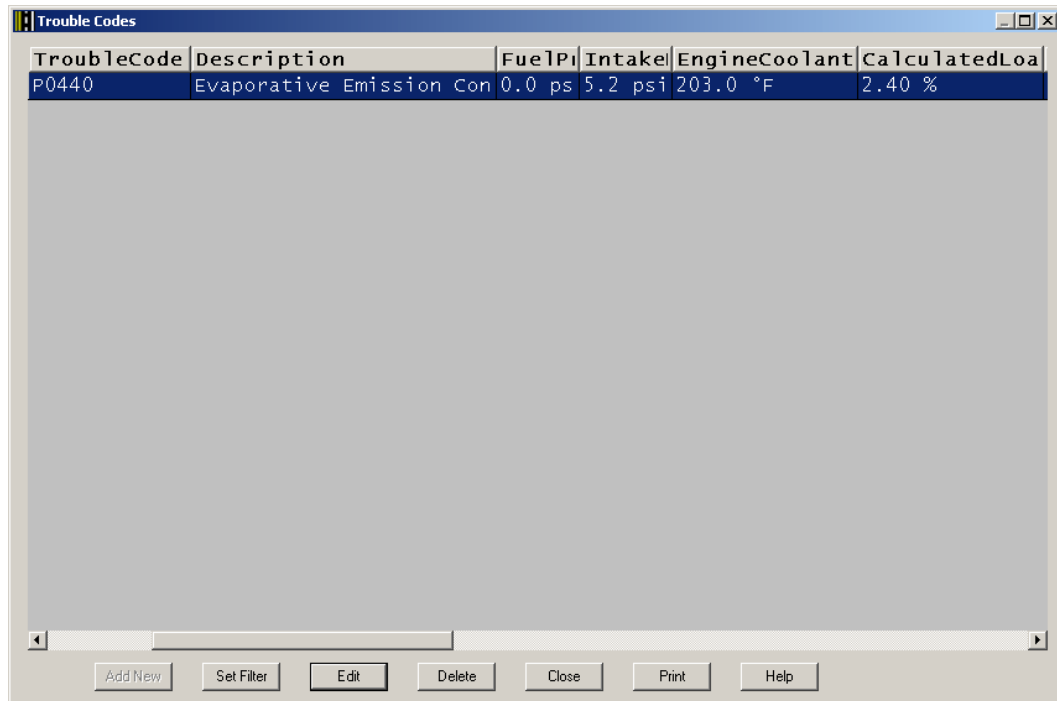
Trouble Codes

Use **Trouble Codes** from the **Database** menu to view any trouble codes logged by a CarChip.

Note: The Trouble Code database table and resulting data is only logged by a CarChip device.

To view the Trouble Code data:

1. Select **Trouble Codes** from the **Database** menu. The Filter For Trouble Codes dialog box is displayed.
2. Select your desired filter options.
3. Click **OK** to view the Trouble Code database table or click **Cancel** to exit the dialog box without opening the database table. The *Trouble Code* database table displays the Trouble Code, description and a sample of the engine reading taken at the time the trouble code was recorded.



| TroubleCode | Description | FuelPressure | IntakePressure | EngineCoolantTemperature | CalculatedLoad |
|-------------|------------------------------|--------------|----------------|--------------------------|----------------|
| P0440 | Evaporative Emission Control | 0.0 psi | 5.2 psi | 203.0 °F | 2.40 % |

- Click **Set Filter** to change the filter for the displayed record or highlight a specific record and click **Edit** to view that record.

Note: You cannot edit trouble code records but you can view the individual record's detailed information.

- Highlight a specific record and click **Delete** to delete that record.
- Click **Close** to exit the database table.
- Click **Print** to print the database table.

See also:

Filter for Trouble Codes

Edit Trouble Code Record

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Readiness Codes

Use **Readiness Codes** from the **Database** menu to view the readiness codes logged by a CarChip. A readiness code is used to indicate whether or not monitored emissions control systems have been tested by the OBDII system. Each emissions control system has its own monitor and related code. Some emission control components are tested continuously

throughout a trip and others are tested intermittently when predetermined operating conditions are met.

Note: The Readiness Code database table and resulting data is only logged by a CarChip device at the beginning of a trip. The readiness code database displays readiness codes from the last recorded trip for every CarChip and assigned vehicle in the database. One readiness code record is available for each assigned vehicle.

To view the Readiness Code data:

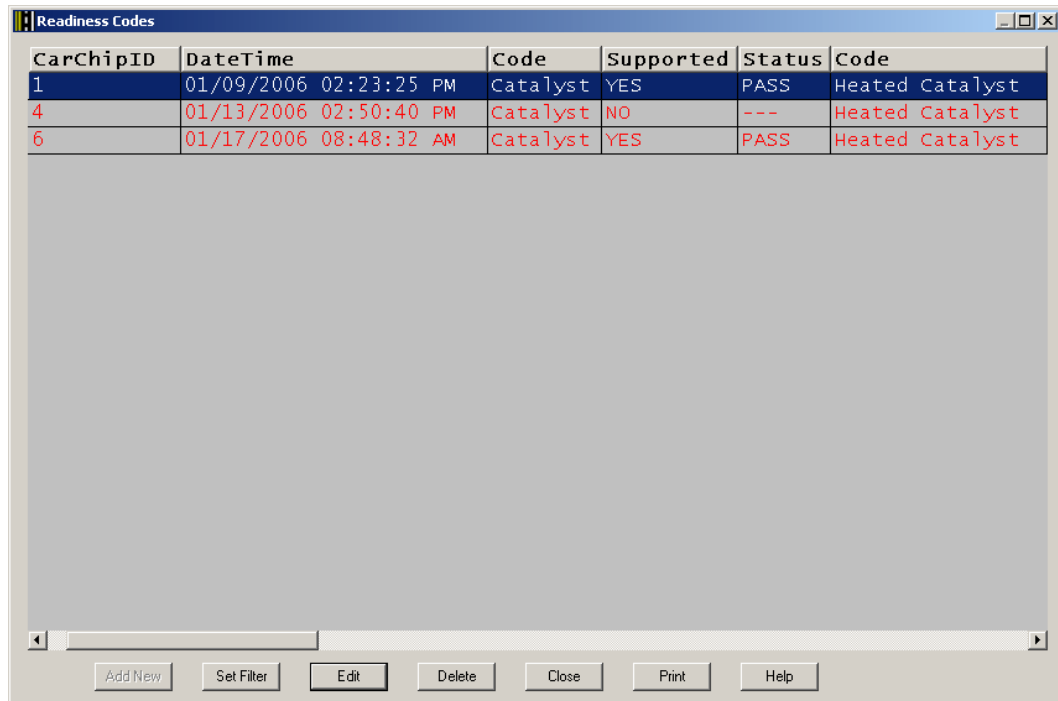
1. Select **Readiness Codes** from the **Database** menu. The Filter For Readiness Codes dialog box is displayed.
2. Select your desired filter options.
3. Click **OK** to view the Readiness Code database table or click **Cancel** to exit the dialog box without opening the database table. The **Readiness Code** database table displays the eleven possible readiness codes, whether or not the readiness code is supported for the vehicle and if the readiness monitor completed or did not complete a test at the time the readiness code monitors were recorded (usually at time of vehicle start-up) for each of the available readiness codes.

The monitored readiness codes are:

Catalyst
 Heated Catalyst
 Evaporative System
 Secondary Air System
 A/C System Refrigerant
 Oxygen Sensor
 Oxygen Sensor Header
 EGR System
 Misfire
 Fuel System
 Comprehensive Component

Not all eleven monitors displayed on the list may be supported, or monitored by your vehicle's systems. If "Not Supported" displays in the supported column, it simply means that the monitor does not exist or is not be monitored by your vehicle. See your vehicle's manual or supporting documentation for emission monitors that your vehicle does support.

The Status column displays "Complete" or "Not Complete" for the readiness codes that are supported in your vehicle and "--" for all the readiness codes that are not supported. A "Complete" means a test of that emissions monitor was completed at the time of CarChip recorded the readiness codes. A "Not Complete" could mean that the OBD system has not yet completed testing of that component or system or that a component failure may exist, but has not been identified because system testing has not been complete. Most states allow for two unset readiness codes during OBD or smog check testing. If three or more unset, non-continuous codes are present, vehicle may be deemed as "Unable to complete OBD Testing". See your state's rules and regulations for more details.



| CarChipID | DateTime | Code | Supported | Status | Code |
|-----------|------------------------|----------|-----------|--------|-----------------|
| 1 | 01/09/2006 02:23:25 PM | Catalyst | YES | PASS | Heated Catalyst |
| 4 | 01/13/2006 02:50:40 PM | Catalyst | NO | --- | Heated Catalyst |
| 6 | 01/17/2006 08:48:32 AM | Catalyst | YES | PASS | Heated Catalyst |

Buttons: Add New, Set Filter, Edit, Delete, Close, Print, Help

- Click **Set Filter** to change the filter for the displayed record or highlight a specific record and click **Edit** to view that record.

Note: You cannot edit trouble code records but you can view the individual record's detailed information.

- Highlight a specific record and click **Delete** to delete that record.
- Click **Close** to exit the database table.
- Click **Print** to print the database table.

See also:

Filter for Readiness Codes

Edit Readiness Code Record

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Maintenance

Use **Maintenance** sub-menu under the **Database** menu to perform data maintenance procedures, such as deleting records or batch editing records in the database.

Select Delete Data from the **Maintenance** sub-menu to delete selected records for record types displayed in the drop down list. The record types for deletion are:

- Trips
- Accident Logs
- Tamper Logs
- Days
- Download Dates
- GPS
- Odometer Logs

Select Batch Editing from the **Maintenance** sub-menu to reassign certain database records to another driver or to re-calibrate speed readings for certain vehicles or drivers.

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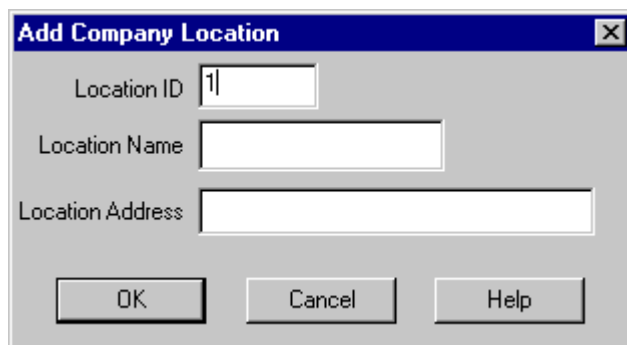
Database Information

Add Company Location

Use the Add New command to create a new company location in the database.

To add a new company location:

1. Select **Company Locations** from the **Database** menu. The company locations database table is displayed.
2. Click the **Add New** button to add a new company location.



3. The next available ID will be automatically assigned. Edit the location ID if desired.
4. Enter the location name.
5. Enter the location address.

6. Click **OK** to save the new company location or click **Cancel** to exit without adding a new station.

See also:

Update Company Location

Back to Database Menu | Company Locations

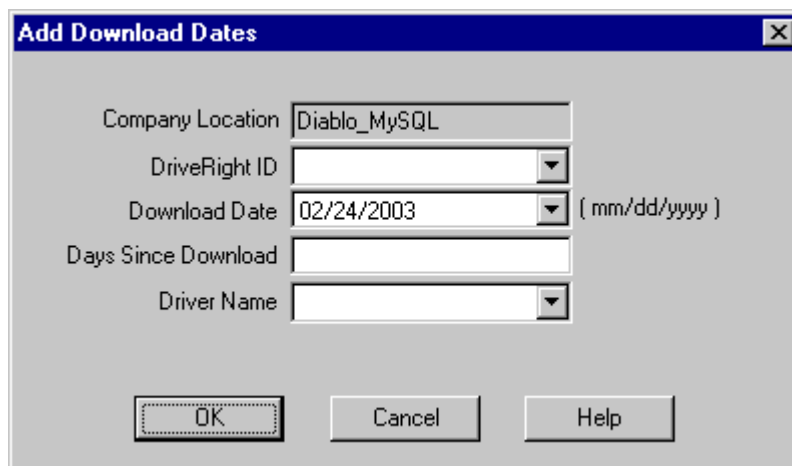
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Add Download Dates

Use the Add New command to add a record to the Download Dates database.

To add a new download date:

1. Select **Download Dates** from the **Database** menu. The **Filter for Download Dates** dialog box is displayed.
2. Click **OK** to display the Download Dates database table.
3. Click **Add New** to add a download date record. The **Add Download Dates** dialog box is displayed.



3. Enter the new record information.
4. Click **OK** to save the new record or click **Cancel** to exit without adding a new record. The new record displays in the Download Dates database table if **OK** is clicked.

See also:

Edit Download Date

[Back to Database Menu](#) | [Download Dates](#)

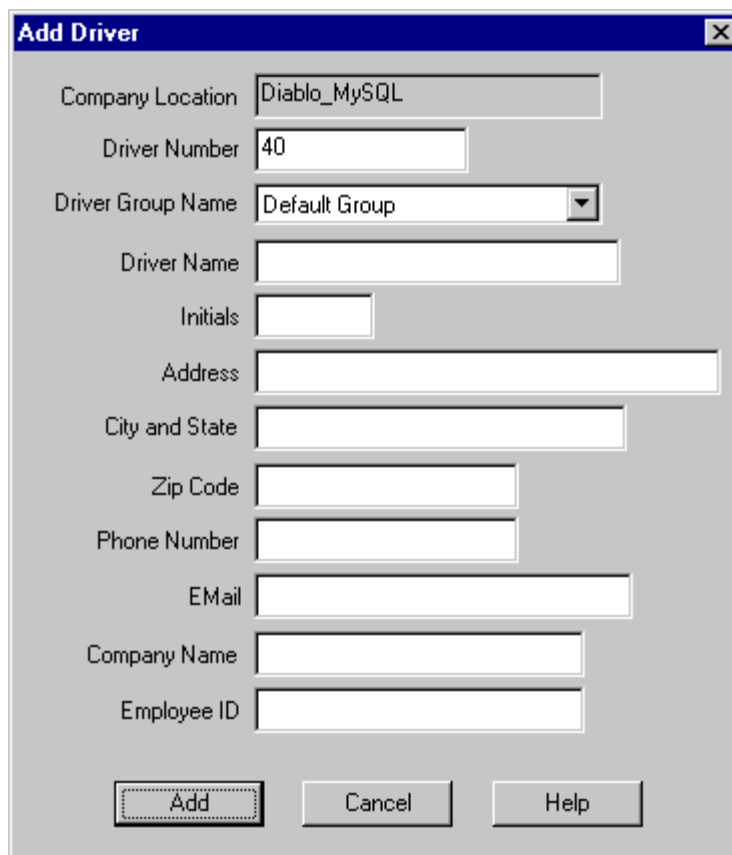
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Add Driver

Use the Add New command in the Drivers browser to add a new driver to the database.

To add a new driver:

1. Select **Drivers** from the **Database** menu. The Drivers database table is displayed.
2. Click **Add New** to add a new driver. The **Add Driver** dialog box is displayed.



3. Enter the new record information.
4. Click **OK** to save the new record or click Cancel to exit without adding a new record. The new record displays in the Download Dates database table if **OK** is clicked.

See also:

Edit Driver

Back to Database Menu | Drivers

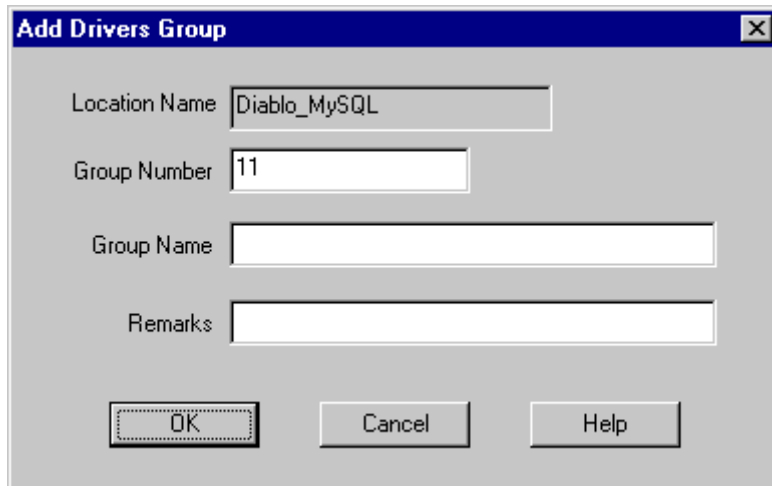
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Add Drivers Group

Use the Add New command in the Driver Groups browser to add a new drivers group to the database.

To add a new drivers group:

1. Select Driver Groups in the **Database** menu. The Driver Groups database table is displayed.
2. Click **Add New** to add a new drivers group. The **Add Drivers Group** dialog box is displayed.



3. Enter the new record information.
4. Click **OK** to save the new record or click **Cancel** to exit without adding a new record. The new record displays in the Download Dates database table if **OK** is clicked.

See also:

Edit Drivers Group

Back to Database Menu | Driver Groups

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Add Email Entry

Use **Add New** command in the Email List browser to add a new entry to the list.

To add a new email list entry:

1. Select **Email List** in the **Database** menu. The Email List database table is displayed.
2. Click **Add New** to add a new entry. The **Add Email Entry** dialog box is displayed.

Add Email Entry

Company Location: Hayward

Entry ID: 3

Name:

Email:

Remarks:

Select reports to be emailed.

☐ Days Since Last Download - Report

☐ Driver Performance Score - Report

☐ Driver Summary Score - Report

☐ Vehicle Information- Report

OK Cancel

3. Enter the name, email address, any remarks you wish to add to this entry, and then select the reports to be sent to this entry.
4. Click **OK** to save the new record or click **Cancel** to exit without adding a new record.

[Back to Database Menu](#) | [Email List](#)

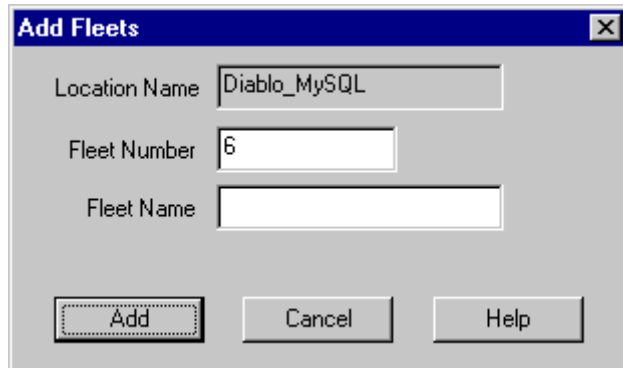
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Add Fleets

Use the Add New command in the Fleets browser to add a new fleet to the database.

To add a new fleet:

1. Select **Fleets** from the **Database** menu. The Fleets database table is displayed.
2. Click **Add New** button to add a new fleet. The **Add Fleets** dialog box is displayed.



3. Enter the new record information.
4. Click **OK** to save the new record or click **Cancel** to exit without adding a new record.

See also:

Edit Fleets

[Back to Database Menu | Fleets](#)

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Add Trip

Use the Add New command in the Trips browser to add a new trip to the database.

To add a new trip:

1. Select Trips from the **Database** menu. The Filter for Trips dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Trips database table.
3. Click **Add New** button to add a new trip. The **Add Trips** dialog box is displayed.

Add Trip

| | | | | | |
|-------------------|-----------------------|-----------------|-----------|-------------------|---|
| Company Location | Diablo_MySQL | Average Speed | 0 | Accel Count | 0 |
| Start Date & Time | 02/24/2003 1:58:17 PM | Top Speed | 0 | Decel Count | 0 |
| End Date & Time | 02/24/2003 1:58:17 PM | Time Over Speed | 00:00:00 | | |
| DriveRight ID | | Driver Name | | | |
| Trip Duration | 00 hours 00 minutes | Vehicle ID | | | |
| Distance | 0.0 | Trip Type | PRIVATE | | |
| Start Odometer | 0.0 | Start State | (Off,Off) | (Braking, Lights) | |
| End Odometer | 0.0 | End State | (Off,Off) | (Braking, Lights) | |
| From | | To | | | |
| Company Name | | Company Name | | | |
| Contact Person | | Contact Person | | | |
| Address | | Address | | | |
| City & State | | City & State | | | |
| Reason | | | | | |

Ok Cancel Help

4. Enter the new record information.
5. Click **OK** to save the new record or click **Cancel** to exit without adding a new record.

See also:

Filter for Trips Database

Edit Trip

[Back to Database Menu | Trips](#)

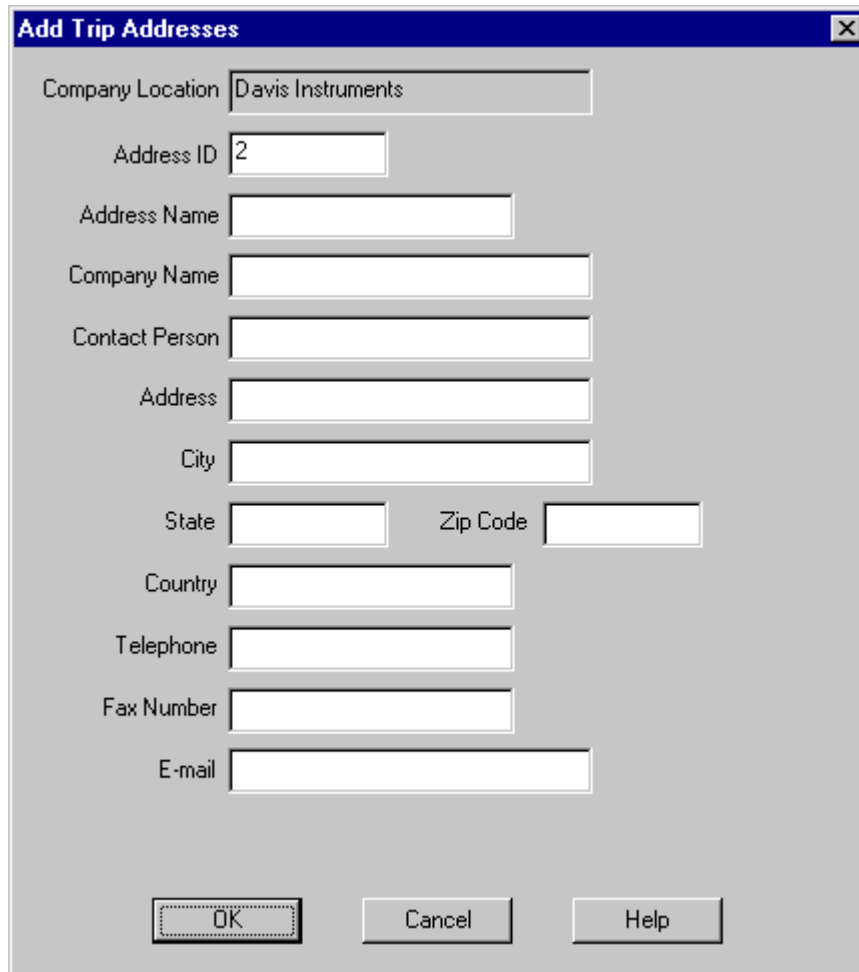
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Add Trip Address

Use the Add New command in the Trip Addresses browser to add a new trip address to the database.

To add a new trip address:

1. Select **Trip Addresses** from the **Database** menu. The Trip Addresses database table is displayed.
2. Click **Add New** to add a new trip address. The **Add Trip Addresses** dialog box is displayed.



Add Trip Addresses

Company Location

Address ID

Address Name

Company Name

Contact Person

Address

City

State Zip Code

Country

Telephone

Fax Number

E-mail

3. Enter the new record information.
4. Click **OK** to save the new record or click **Cancel** to exit without adding a new record.

See also:

Edit Trip Address

[Back to Database Menu | Trip Addresses](#)

[Home](#) | [Getting Started](#) | [Quick Reference](#) | [Menu Commands](#) | [Troubleshooting](#)

Add Vehicle

Use **Add New** in the Vehicle database table to add a new vehicle to the database.

To add a new vehicle:

1. Select **Vehicle** from the **Database** menu. The Vehicle database table is displayed.
2. Click **Add New** to add a new vehicle. The **Add Vehicles** dialog box is displayed.

Add Vehicle

Company Location: Davis Instruments

Vehicle ID: 4

DriveRight Assigned: [dropdown]

Fleet Name: DEFAULT FLEET [dropdown]

Default Driver: [dropdown] Add Driver

Make and Model: [text box]

License Plate: [text box]

VIN Number: [text box]

Color: [text box]

Purchase Date: 03/18/2003 (mm/dd/yyyy)

Current Odometer: 0.0

Vehicle Type: ☒ Light ☐ Heavy

Digital Inputs:

Green Wire: NORMAL [dropdown] Yellow Wire: NORMAL [dropdown]

OK Cancel Help

3. Enter the new vehicle information.

Note: You do not need to assign the vehicle to a DriveRight console at this point. You will assign the vehicle in the Add New DriveRight Wizard.

4. Click **OK** to save the record or click **Cancel** to exit without saving.

See also:

Edit Vehicle

[Back to Database Menu | Vehicles](#)

[Home](#) | [Getting Started](#) | [Quick Reference](#) | [Menu Commands](#) | [Troubleshooting](#)

Batch Editing

Select **Batch Editing** from the **Maintenance** sub-menu under the **Database** menu to edit records from the database based on driver or speed information.

To edit certain database records from the database:

1. Select **Batch Editing** from the **Maintenance** sub-menu under the **Database** menu. The **Batch Editing** dialog box is displayed.
2. Enter any driver changes or vehicle speed adjustments in the Reassign Driver tab or Vehicle Speed Adjustment tab.
3. Click **OK** to change all the affected records in the database with these new parameters or click **Cancel** to exit without changing data. If you click **OK** to change the affected records, the **Successfully Updated Database Tables** dialog box is displayed.
4. Click **OK** to accept the new changes. All the databases change to display the new information set in this dialog box.

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Batch Editing: Reassign Driver

Select the Reassign Driver tab in the **Batch Editing** dialog box allows you to assign certain trips from one driver to another and change all the database tables to reflect the new driver changes.

To change certain database records from one driver to another driver in the database:

1. Select **Batch Editing** from the **Maintenance** sub-menu under the **Database** menu. The **Batch Editing** dialog box is displayed. The **Reassign Driver** tab is the default tab displayed when the **Batch Editing** dialog box is displayed.

Batch Editing

Reassign Driver | **Vehicle Speed Adjustment**

Company Location: Chicago

From Driver: John Smith

To Driver:

Trips Between: Unknown Driver (None), Jeremy Davis, John Smith, Kirk Watson

Start Date: 01/17/2006

End Date: 01/17/2006

OK Cancel Help

2. Select the driver name that you want to change in the **From Driver** drop down list.
3. Select the driver name that you want to replace the driver with in the **To Driver** drop down list.
4. In the **Trips Between** selection box, select a Start Date and End Date for a specific time period.
5. Click **OK** to change all the records listing the first driver in the database so that these records for the selected time period now list the second driver selected, or click **Cancel** to exit without changing data. If you click **OK** to change the affected records, the **Successfully Updated Database Tables** dialog box is displayed.
6. Click **OK** to accept the new changes. All the databases change to display the new information set in this dialog box.

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Batch Editing: Reassign Driver

Select The Reassign Driver tab in the **Batch Editing** dialog box allows you to assign certain trips from one driver to another and change all the database tables to reflect the new driver changes.

To change certain database records from one driver to another driver in the database:

1. Select **Batch Editing** from the **Maintenance** sub-menu under the **Database** menu. The **Batch Editing** dialog box is displayed. Click the **Vehicle Speed Adjustment** tab.

The screenshot shows the 'Batch Editing' dialog box with the 'Vehicle Speed Adjustment' tab selected. The dialog has two main sections: 'Reassign Driver' and 'Vehicle Speed Adjustment'. Under 'Vehicle Speed Adjustment', there are two radio buttons: 'All Drivers' and 'Driver Names' (selected), and 'All Vehicles' and 'Veh ID / Lic. No' (selected). Below these are two list boxes. The left list box contains 'Unknown Driver (None)', 'Jeremy Davis', 'John Smith', and 'Kirk Watson'. The right list box contains '1/394XDF'. Below the list boxes is a 'Trips Between' section with 'Start Date' (01/02/2006) and 'End Date' (01/16/2006) dropdowns. At the bottom, there is a section for speed adjustment: 'If speed >= 80 , change it to 65 miles/hr'. The 'OK', 'Cancel', and 'Help' buttons are at the bottom right.

2. Select the **All Drivers**, **Driver Names**, **All Vehicles**, or **Vehicle ID/License Number** radio button.
If you select **Driver Names**, select the driver or drivers whose records need speed adjustments in the field selection box underneath **Driver Name**. If you select **Vehicle ID / License Number**, select the Vehicle ID or IDs whose record need speed adjustments in the field selection box underneath **Vehicle ID/License Number**.
3. In the **Trips Between** selection box, select a Start Date and End Date for a specific time period.
4. In the **If speed >=** text box, enter a vehicle speed (miles/hr) that you would like to change. This means that speeds at or above this level will be changed to level stated in the next box for the driver(s) or vehicle(s) you selected.
5. In the **change it to** text box, enter the vehicle speed (miles/hr) all values should be changed to.

Note: The If speed >= box must have a value greater than the change it to box to created changes to the records in the database.

Note: You must enter speed parameters to successfully save speed adjustments to the driver(s) or vehicle(s) selected.

1. Click **OK** to change all the affected records to the new adjusted speed, or click **Cancel** to exit without changing data. If you click **OK** to change the affected records, the **Successfully Updated Database Tables** dialog box is displayed.

2. Click **OK** to accept the new changes. All the databases change to display the new information set in this dialog box.

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Delete Data

Select **Delete Data** from **Maintenance** sub-menu under the **Database** menu to delete records from the database. Although there are several opportunities to delete data in other parts of the program, this option is meant to delete large portions of data at once. Use this option carefully.

Note: Before the data is deleted, you will be prompted to confirm the deletion.

To delete data from the database:

1. Select **Delete Data** from the **Maintenance** sub-menu under the **Database** menu.
2. From the drop-down list, select the database table you wish to delete records from. A **Delete Filter** dialog box is displayed for record type.
 - Trips
 - Accident Logs
 - Tamper Logs
 - Days
 - Download Dates
 - GPS
 - Odometer Logs
3. Enter the filter information for the records to be deleted.
4. Click **OK** to delete the selected records or click **Cancel** to exit without deleting records. If you click **OK** to delete data, you will be prompted to confirm the deletion.
5. To confirm the deletion, click **Yes** in the message box or click **No** to cancel and return to the delete filter dialog box.

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Edit Accident Log

Use Edit in the Accident Log database table to edit an accident log record.

To edit an accident log record:

1. Select **Accident Logs** from the **Database** menu. The Filter for Accident Logs dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Accident Logs database table.
3. Click on a record to select it. The selected record is highlighted.
4. Click Edit to edit the selected record. The **Edit Accident Log** dialog box is displayed.

Edit AccidentLog

Company Location: Davis Instruments

DriveRight ID: 11

Driver Name: Harry Potter

Date: 12/05/2002

Time: 04:48:00 PM

Latitude: 37.7364

Longitude: -122.4071

Cause: DECEL (-20...+20)

Reason for Log:
☐ Real Accident
☒ Recording

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| T-19 | T-18 | T-17 | T-16 | T-15 | T-14 | T-13 | T-12 | T-11 | T-10 |
| 63/Off | 63/Off | 62/Off | 61/Off | 60/Off | 59/Off | 58/Off | 55/Off | 53/Off | 50/Off |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| T-09 | T-08 | T-07 | T-06 | T-05 | T-04 | T-03 | T-02 | T-01 | T-0 |
| 46/Off | 42/Off | 42/Off | 41/Off | 38/Off | 35/Off | 29/Off | 24/Off | 18/Off | 10/Off |

| | | | | | | | | | |
|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| T+01 | T+02 | T+03 | T+04 | T+05 | T+06 | T+07 | T+08 | T+09 | T+10 |
| 6/Off | 7/Off | 9/Off | 16/Off | 19/Off | 23/Off | 27/Off | 28/Off | 27/Off | 24/Off |

| | | | | | | | | | |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|
| T+11 | T+12 | T+13 | T+14 | T+15 | T+16 | T+17 | T+18 | T+19 | T+20 |
| 20/Off | 17/Off | 14/Off | 11/Off | 8/Off | 6/Off | 4/Off | 7/Off | 8/Off | 11/Off |

OK Cancel Help

5. Enter the Reason for Log if desired. No other part of the accident log record can be edited.
6. Click **OK** to save the changes or click **Cancel** to exit without saving.

[Back to Database Menu | Accident Logs](#)

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Edit Base Station

The **Edit Base Station** dialog box displays when a Base Station record is highlighted and the Edit button is clicked from the Wireless Devices database table.

To Edit a Base Station:

1. Highlight a Base Station record in the **Wireless Devices** database table and click **Edit**. The **Edit Base Station** dialog box displays.

The screenshot shows a dialog box titled "Edit Base Station". It contains the following fields and values:

- Location: Northern California
- Serial Number: 1286656 1073873361
- Device Type: Base Station
- Position: West Parking Lot

At the bottom of the dialog box are three buttons: OK, Cancel, and Help.

The dialog box displays the location, serial number and the position of the selected Base Station.

2. Enter a position description in the **Position** text box if it is necessary to change it here. The maximum number of characters for the **Position** text box is 32.
3. Click **OK** to save the changes or **Cancel** to exit the dialog box without saving.

[Back to Database Menu | Wireless Devices](#)

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Edit CarChip Setup

Use Edit in the CarChip database table to view or edit the CarChip device settings in the database.

Note: The only settings you can edit from this dialog box are the Vehicle ID or Driver ID. Use the CarChip Settings Command in the CarChip menu to edit other CarChip device settings.

To edit CarChip settings:

1. Select **CarChips** from the **Database** menu. The CarChips database table is displayed.
2. Click on a record to select it. The selected record is highlighted.
3. Click the **Edit** button to edit the selected record. The **Edit CarChip Setup** dialog box is displayed.

Edit CarChip Setup

Identification

Company Location:

CarChip ID:

Serial Number:

☐ Vehicle ID:

☒ Driver Name:

Hard Braking

Hard Braking Threshold: G (Decel Limit)

Extreme Braking Threshold: G

Acceleration

Hard Acceleration Threshold: G (Accel Limit)

Extreme Acceleration Threshold: G

Speed Bands

| | From (km/hr) | To (km/hr) |
|--------------|----------------------------------|--|
| Speed Band 1 | <input type="text" value="0"/> | <input type="text" value="71"/> |
| Speed Band 2 | <input type="text" value="72"/> | <input type="text" value="97"/> |
| Speed Band 3 | <input type="text" value="98"/> | <input type="text" value="113"/> (Speed Limit) |
| Speed Band 4 | <input type="text" value="114"/> | <input type="text" value=""/> |

Choose Parameters

| | Name | Interval |
|-------------|--|--|
| Parameter 1 | <input type="text" value="Vehicle Speed"/> | <input type="text" value="1"/> Seconds |
| Parameter 2 | <input type="text" value="Engine Speed"/> | <input type="text" value="5"/> Seconds |
| Parameter 3 | <input type="text" value="Coolant Temperature"/> | <input type="text" value="5"/> Seconds |
| Parameter 4 | <input type="text" value=""/> | <input type="text" value=""/> Seconds |
| Parameter 5 | <input type="text" value=""/> | <input type="text" value=""/> Seconds |

Misc Settings

Alarm Status: ☒ Enable ☐ Disable

LED Status: ☒ Enable ☐ Disable

4. You can change the Vehicle ID or Driver Name by selecting a new ID or name from the drop-down list, if desired.

5. Click **OK** to save the changes or click **Cancel** to exit without saving.

See also:

Add New CarChip

[Back to Database Menu | CarChips](#)

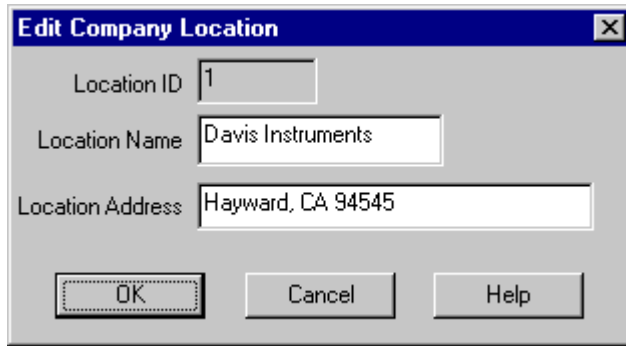
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Edit Company Location

Use Edit to change the information of an existing company location in the database.

To edit a company location:

1. Select **Company Locations** from the **Database** menu. The Company Locations database table is displayed.
2. Click on a record to select it. The selected record is highlighted.
3. Click the **Edit** button to edit the selected record. The **Edit Company Location** dialog box is displayed.



4. Edit the location name and address as desired. The location ID can not be edited.
5. Click **OK** to save the changes or click **Cancel** to exit without saving.

See also:

Add Company Location

[Back to Database Menu | Company Locations](#)

[Home](#) | [Getting Started](#) | [Quick Reference](#) | [Menu Commands](#) | [Troubleshooting](#)

Edit Days

Use Edit in the Days database table to edit a days record.

To edit a days record:

1. Select Days from the Database menu. The Filter for Days dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Days database table.
3. Click on a record to select it. The selected record is highlighted.
4. Click **Edit** button to edit the selected record. The **Edit Days** dialog box is displayed.

| | | | | | |
|------------------|-------------------|------------------|-------------|-------------------|----------|
| Company Location | Davis Instruments | DriveRight Type | Trip 600AL | Time in Motion | 00:00 |
| DriveRight ID | 11 | First Move | 06:38:00 PM | Time Over Speed | 00:00:17 |
| Date | 11/20/2002 | Last Move | 06:38:00 PM | Speed Limit | 65 |
| Day | Wednesday | Top Speed | 17 | Accel Limit | 0.30 |
| Driver Name | Harry Potter | Time of TopSpeed | --- | Decel Limit | 0.35 |
| Total Time | 00:00 | Accel Count | 2 | High Accel | 0 |
| Total Distance | 0.1 | Decel Count | 1 | Time of HighAccel | --- |

OK Cancel Help

5. Enter the new record information.
6. Click **OK** to save the changes or click **Cancel** to exit without saving.

Back to Database Menu | Days

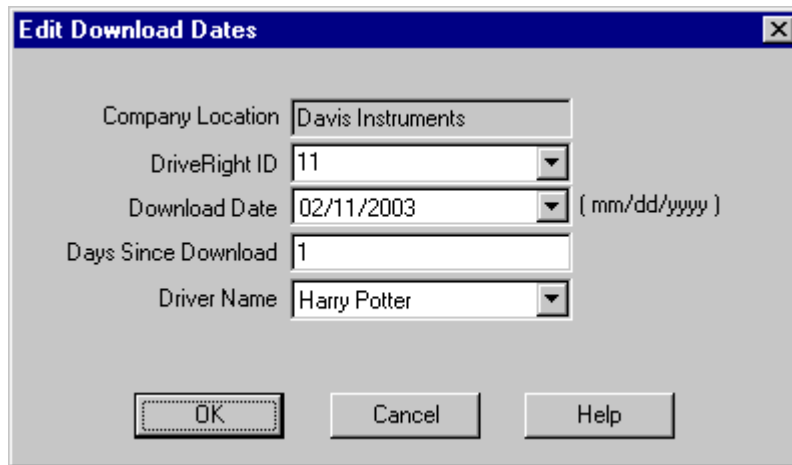
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Edit Download Date

Use **Edit** in the Download Dates database table to edit a download date record.

To edit a download date record:

1. Select Download Dates from the **Database** menu. The Filter for Download Dates dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Download Dates database table.
3. Click a record to select it. The selected record is highlighted.
4. Click the **Edit** button to edit the selected record. The **Edit Download Dates** dialog box is displayed.



The dialog box titled "Edit Download Dates" contains the following fields and controls:

- Company Location:** Text box containing "Davis Instruments".
- DriveRight ID:** Dropdown menu showing "11".
- Download Date:** Text box containing "02/11/2003" with a format hint "(mm/dd/yyyy)" to its right.
- Days Since Download:** Text box containing "1".
- Driver Name:** Dropdown menu showing "Harry Potter".
- Buttons:** "OK", "Cancel", and "Help" buttons at the bottom.

5. Edit the record as desired.
6. Click **OK** to save the changes or click **Cancel** to exit without saving.

See also:

Add Download Dates

[Back to Database Menu | Download Dates](#)

[Home](#) | [Getting Started](#) | [Quick Reference](#) | [Menu Commands](#) | [Troubleshooting](#)

Edit DriveRight Setup

Use Edit from the DriveRights database table to view or edit the DriveRight console settings in the database.

Note: The only setting you can edit from this dialog box is the Vehicle ID. Use the DriveRight Settings Command in the DriveRight menu to edit other DriveRight console settings.

To edit DriveRight settings:

1. Select DriveRights in the **Database** menu. The DriveRights database table is displayed.
2. Click on a record to select it. The selected record is highlighted.
3. Click **Edit** to edit the selected record. The **Edit DriveRight Setup** dialog box is displayed.

Edit DriveRight Setup

Identification

Company Location: NV

DriveRight Type: DriveRight 600E

DriveRight ID: 1234

Vehicle ID: 2

Driver: Jane Smith

Calibration

Installation Method: ☐ VSS ☐ Reed Switch ☒ OBD Adapter

VSS PPM: 75000

Pulses per reading: 32

Calibration Number: 37749

Units

Date Mode: ☒ Month-Day-Year ☐ Day-Month-Year

Time Mode: ☒ AM-PM ☐ 24 Hour

Distance Unit: ☒ Miles ☐ Kilometers

Safety Settings

Speed Limit: 65

Accel Limit: 0.30

Decel Limit: 0.35

Timer Settings

Trip Stop Time: 10

Driver ID Logout Time: 0

Alarm Settings

Alarm Mode: ☐ Alarm On ☒ Alarm Off

☐ Warn if not Logged in

Security Settings

PIN-code: 0

☐ Enable tamper indicator

☒ Disable Login on Console

OK Close Help

4. You can change the Vehicle ID by selecting a new ID from the drop-down list, if desired.
5. Click **OK** to save the changes or click **Cancel** to exit without saving.

See also:

Add New DriveRight

[Back to Database Menu | DriveRights](#)

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Edit Driver

Use Edit from the Drivers database table to edit a driver record.

To edit a driver record:

1. Select Drivers from the **Database** menu. The Drivers database table is displayed.
2. Click on a record to select it. The selected record is highlighted.
3. Click **Edit** to edit the selected record. The **Edit Driver** dialog box is displayed.

Edit Driver

Company Location: Davis Instruments

Driver Number: 1

Driver Group Name: DEFAULT GROUP

Driver Name: Harry Potter

Initials: HP

Address: Hogwarts

City and State: 0

Zip Code: 0

Phone Number: 0

EMail: 0

Company Name: 0

Employee ID: 0

OK Cancel Help

4. Edit the record as desired.
5. Click **OK** to save the changes or click **Cancel** to exit without saving.

See also:

Add Driver

Back to Database Menu | Drivers

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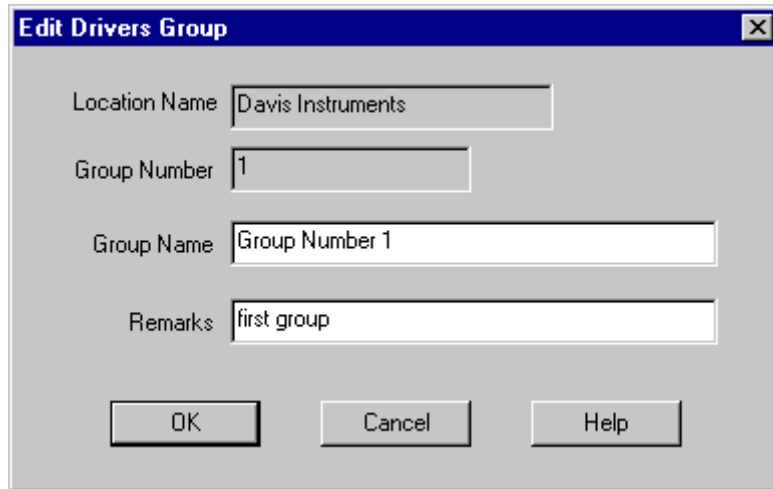
Edit Drivers Group

Use Edit from the Driver Groups database table to edit a drivers group record in the database.

To edit a drivers group record:

1. Select **Driver Groups** from the **Database** menu. The **Driver Groups** database table is displayed.

2. Click on a record to select it. The selected record is highlighted.
3. Click **Edit** to edit the selected record. The **Edit Drivers Group** dialog box is displayed.



The screenshot shows a Windows-style dialog box titled "Edit Drivers Group". It has a standard title bar with a close button (X). The dialog contains four text input fields arranged vertically. The first field is labeled "Location Name" and contains the text "Davis Instruments". The second field is labeled "Group Number" and contains the text "1". The third field is labeled "Group Name" and contains the text "Group Number 1". The fourth field is labeled "Remarks" and contains the text "first group". At the bottom of the dialog, there are three buttons: "OK", "Cancel", and "Help".

4. Edit the record as desired.
5. Click **OK** to save the changes or click **Cancel** to exit without saving.

See also:

Add Drivers Group

[Back to Database Menu | Driver Groups](#)

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Edit Email Entry

Use Edit in the Email List database table to edit an email list record

To edit an email list record:

1. Select **Email List** from the **Database** menu. The Email List database table is displayed.
2. Click on a record to select it. The selected record is highlighted..
3. Click **Edit** to edit the selected record. The **Edit Email List** dialog box is displayed.

Edit Email Entry

Company Location: Hayward

Entry ID: 1

Name: Dumbledore

Email: Dumbledore@davisnet.com

Remarks:

Select reports to be emailed.

- ☒ Days Since Last Download - Report
- ☒ Driver Performance Score - Report
- ☒ Driver Summary Score - Report
- ☒ Vehicle Information- Report

OK Cancel

4. Edit the record as desired.
5. Click **OK** to save the changes or click **Cancel** to exit without saving.

See also:

Add Email Entry

[Back to Database Menu | Email List](#)

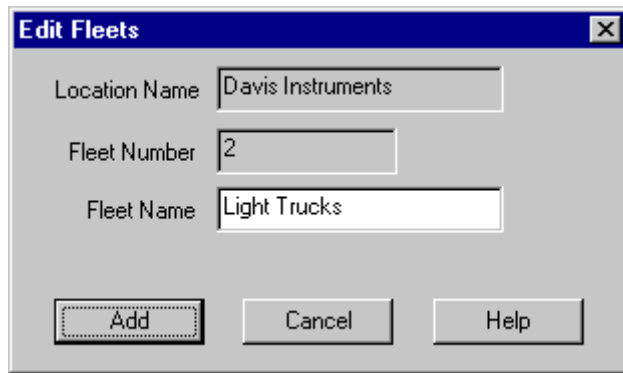
[Home](#) | [Getting Started](#) | [Quick Reference](#) | [Menu Commands](#) | [Troubleshooting](#)

Edit Fleets

Use Edit in the Fleets database table to edit a fleet record.

To edit a fleet record:

1. Select **Fleets** from the **Database** menu. The Fleets database table is displayed.
2. Click on a record to select it. The selected record is highlighted.
3. Click **Edit** to edit the selected record. The **Edit Fleets** dialog box is displayed.



4. Edit the Fleet Name as desired.
5. Click **OK** to save the changes or click **Cancel** to exit without saving.

See also:

Add Fleets

Back to Database Menu | Fleets

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Edit GPS

Use Edit from the GPS database table to view a GPS record.

Note: GPS records cannot be edited.

To view a GPS record:

1. Select GPS from the **Database** menu. The Filter for GPS dialog box is displayed.
2. After selecting your filter options, click **OK** to display the GPS database table.
3. Click on a record to select it. The selected record is highlighted.
4. Click **Edit** to view the selected record. The **Edit GPS** dialog box is displayed.

Edit GPS

| | | | |
|------------------|-------------------|------------|--------|
| Company Location | Davis Instruments | 2D Speed | 0 |
| DriveRight ID | 11 | High Speed | 8 |
| Driver Name | Harry Potter | Direction | N |
| GPS Date | 11/22/2002 | Day | Friday |
| GPS Time | 03:16:13 PM | | |

| | | | | | |
|----------|---------|-----------|-----------|--------|------|
| Latitude | 37.7678 | Longitude | -122.4250 | Status | 6000 |
|----------|---------|-----------|-----------|--------|------|

OK Cancel Help

5. Click **OK** or **Cancel** to exit.

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Edit Odometer Log

Use Edit in the Odometer Logs database table to edit an odometer log record.

To edit an odometer log record:

1. Select **Odometer Logs** from the **Database** menu. The Filter for Odometer Logs dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Odometer Logs database table.
3. Click on a record to select it for editing. The selected record is highlighted.
4. Click **Edit** to edit the selected record. The **Edit Odometer Log** dialog box is displayed.

5. Edit the record as desired.
6. Click **OK** to save the changes or click **Cancel** to exit without saving.

Note: For DriveRight 600E devices, no Odometer records exist to be edited.

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Edit Readiness Code Record

Use **Edit** in the Readiness Code database table to view whether or not the readiness code is supported for the vehicle and if the monitor completed or did not complete a test of a monitor for each of the available readiness codes. A readiness code is used to indicate whether or not monitored emissions control systems have been tested by the OBDII system. Each emissions control system has its own monitor and related code. Some emission control components are tested continuously throughout a trip and others are tested intermittently when predetermined operating conditions are met.

Note: The Readiness Code database table and resulting data is only logged by a CarChip device at the beginning of a trip. The readiness code database displays readiness codes from the last recorded trip for every CarChip and assigned vehicle in the database. One readiness code record is available for each assigned vehicle.

To view a readiness code record:

1. Select **Readiness Code** from the **Database** menu. The Filter for Readiness Codes dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Readiness Codes database table
3. Click on a record to select it for editing. The selected record is highlighted.
4. Click **Edit** to display the selected record. The **Edit Readiness Code** dialog box is displayed.

OBD Readiness Codes

Company Location:

CarChip ID:

DateTime:

| Monitor Code | Supported | Status |
|-------------------------|---------------|--------------|
| Catalyst | Supported | Not Complete |
| Heated Catalyst | Not Supported | --- |
| Evaporative System | Supported | Not Complete |
| Secondary Air System | Supported | Not Complete |
| A/C System Refrigerant | Not Supported | --- |
| Oxygen Sensor | Supported | Not Complete |
| Oxygen Sensor Heater | Supported | Complete |
| EGR System | Not Supported | --- |
| Misfire | Supported | Complete |
| Fuel System | Supported | Complete |
| Comprehensive Component | Supported | Complete |

OK

The **Readiness Code** dialog box displays the eleven possible readiness codes, whether or not the readiness code is supported for the vehicle and if the monitor completed a test or did not complete a test of its systems at the time the codes were recorded (usually at time of vehicle start-up) for each of the available readiness codes.

The readiness codes monitored are:

Catalyst
 Heated Catalyst
 Evaporative System
 Secondary Air System
 A/C System Refrigerant
 Oxygen Sensor
 Oxygen Sensor Header
 EGR System
 Misfire
 Fuel System
 Comprehensive Component

Not all eleven monitors displayed on the list may be supported, or monitored by your vehicle's systems. If "Not Supported" displays in the supported column, it simply means that the monitor does not exist or is not be monitored by your vehicle. See your vehicle's manual or supporting documentation for emission monitors that your vehicle does support.

The Status column displays "Complete" or "Not Complete" for the readiness codes that are supported in your vehicle and "--" for all the readiness codes that are not supported. A "Complete" means a test of that emissions monitor was completed at the time of CarChip recorded the readiness codes. A "Not Complete" could mean that the OBDII system has not yet completed testing of that component or system or that a component failure may

exist, but has not been identified because system testing has not been complete. Most states allow for two unset readiness codes during OBD or smog check testing. If three or more unset, non-continuous codes are present, vehicle may be deemed as "Unable to complete OBD Testing". See your state's rules and regulations for more details.

5. Click **OK** to exit.

Back to Database Menu | Readiness Codes

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Edit Readiness Code Record

Use **Edit** in the Readiness Code database table to view whether or not the readiness code is supported for the vehicle and if the monitor completed or did not complete a test of a monitor for each of the available readiness codes. A readiness code is used to indicate whether or not monitored emissions control systems have been tested by the OBDII system. Each emissions control system has its own monitor and related code. Some emission control components are tested continuously throughout a trip and others are tested intermittently when predetermined operating conditions are met.

Note: The Readiness Code database table and resulting data is only logged by a CarChip device at the beginning of a trip. The readiness code database displays readiness codes from the last recorded trip for every CarChip and assigned vehicle in the database. One readiness code record is available for each assigned vehicle.

To view a readiness code record:

1. Select **Readiness Code** from the **Database** menu. The Filter for Readiness Codes dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Readiness Codes database table
3. Click on a record to select it for editing. The selected record is highlighted.
4. Click **Edit** to display the selected record. The **Edit Readiness Code** dialog box is displayed.

OBD Readiness Codes

Company Location:

CarChip ID:

DateTime:

| Monitor Code | Supported | Status |
|-------------------------|---------------|--------------|
| Catalyst | Supported | Not Complete |
| Heated Catalyst | Not Supported | --- |
| Evaporative System | Supported | Not Complete |
| Secondary Air System | Supported | Not Complete |
| A/C System Refrigerant | Not Supported | --- |
| Oxygen Sensor | Supported | Not Complete |
| Oxygen Sensor Heater | Supported | Complete |
| EGR System | Not Supported | --- |
| Misfire | Supported | Complete |
| Fuel System | Supported | Complete |
| Comprehensive Component | Supported | Complete |

OK

The **Readiness Code** dialog box displays the eleven possible readiness codes, whether or not the readiness code is supported for the vehicle and if the monitor completed a test or did not complete a test of its systems at the time the codes were recorded (usually at time of vehicle start-up) for each of the available readiness codes.

The readiness codes monitored are:

Catalyst
 Heated Catalyst
 Evaporative System
 Secondary Air System
 A/C System Refrigerant
 Oxygen Sensor
 Oxygen Sensor Header
 EGR System
 Misfire
 Fuel System
 Comprehensive Component

Not all eleven monitors displayed on the list may be supported, or monitored by your vehicle's systems. If "Not Supported" displays in the supported column, it simply means that the monitor does not exist or is not be monitored by your vehicle. See your vehicle's manual or supporting documentation for emission monitors that your vehicle does support.

The Status column displays "Complete" or "Not Complete" for the readiness codes that are supported in your vehicle and "--" for all the readiness codes that are not supported. A "Complete" means a test of that emissions monitor was completed at the time of CarChip recorded the readiness codes. A "Not Complete" could mean that the OBDII system has not yet completed testing of that component or system or that a component failure may

exist, but has not been identified because system testing has not been complete. Most states allow for two unset readiness codes during OBD or smog check testing. If three or more unset, non-continuous codes are present, vehicle may be deemed as "Unable to complete OBD Testing". See your state's rules and regulations for more details.

5. Click **OK** to exit.

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Edit Safety Score

Use Edit in the Safety Score database table to view a Safety Score record or to edit a driver's exempt status. The exempt status allows you to exclude a driver's safety score for a given month from the Driver Safety Score Summary Report.

To view a Safety Score record:

1. Select **Safety Score** from the **Database** menu. The Filter For Safety Score dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Safety Score database table.
3. Click on a record to select it for editing. The record is highlighted.
4. Click **Edit** to edit the selected record. The **Edit Safety Score** dialog box is displayed.

Edit Safety Score

Location Name: Hayward

DriverID: 3

Driver Name: 3

Year: 2003

Month: April

Score: 50

Mileage: 192.0

Vehicle Type: Light

Status:

☐ Exempt

☒ Not Exempt

OK Cancel Help

5. You can edit the driver's exempt status for the selected month. Click **Exempt** to exclude that month's score from future Driver Safety Score Summary Reports or click **Not Exempt** to include that month's score in the summary report.

6. Click **OK** to save the record or click **Cancel** to exit without saving.

See also:

Driver Safety Score Summary

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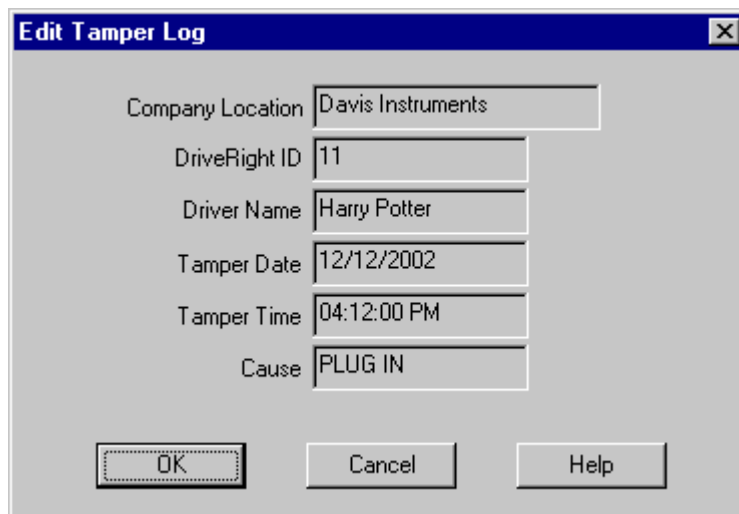
Edit Tamper Log

Use Edit in the Tamper Log database table to view a tamper log record.

Note: Tamper Log records cannot be edited.

To view a tamper log record:

1. Select Tamper Logs from the **Database** menu. The Filter for Tamper Logs dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Tamper Logs database table
3. Click on a record to select it for editing. The selected record is highlighted.
4. Click **Edit** to display the selected record. The **Edit Tamper Log** dialog box is displayed.



The screenshot shows a Windows-style dialog box titled "Edit Tamper Log". It contains the following fields and values:

| Field | Value |
|------------------|-------------------|
| Company Location | Davis Instruments |
| DriveRight ID | 11 |
| Driver Name | Harry Potter |
| Tamper Date | 12/12/2002 |
| Tamper Time | 04:12:00 PM |
| Cause | PLUG IN |

At the bottom of the dialog box are three buttons: "OK", "Cancel", and "Help". The "OK" button is highlighted with a dashed border.

5. Click **OK** or **Cancel** to exit.

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Edit Trip

Use the Edit command in the Trips browse window to edit a trip record.

To edit a trip record:

1. Select **Trips** from the **Database** menu. The Filter for Trips dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Trips browse window.
3. Click on a record to select it for editing. The record is highlighted.
4. Click **Edit** to edit the selected record. The **Edit Trip** dialog box is displayed.

Edit Trip

| | | | | | |
|-------------------|-----------------------|-----------------|--------------|-------------------|---|
| Company Location | Davis Instruments | Average Speed | 0 | Accel Count | 2 |
| Start Date & Time | 11/20/2002 6:38:00 PM | Top Speed | 17 | Decel Count | 1 |
| End Date & Time | 11/20/2002 6:38:00 PM | Time Over Speed | 00:00:17 | | |
| DriveRight ID | 11 | Driver Name | Harry Potter | | |
| Trip Duration | 00 hours 00 minutes | Vehicle ID | 1 | | |
| Distance | 0.1 | Trip Type | BUSINESS | | |
| Start Odometer | 296.6 | Start State | (Off,Off) | (Braking, Lights) | |
| End Odometer | 296.7 | End State | (Off,Off) | (Braking, Lights) | |
| From | | To | | | |
| Company Name | | Company Name | | | |
| Contact Person | | Contact Person | | | |
| Address | | Address | | | |
| City & State | | City & State | | | |
| Reason | 0 | | | | |

Ok Cancel Help

5. Edit the record information as desired
6. Click **OK** to save the record or click **Cancel** to exit without saving.

See also:

Add Trip

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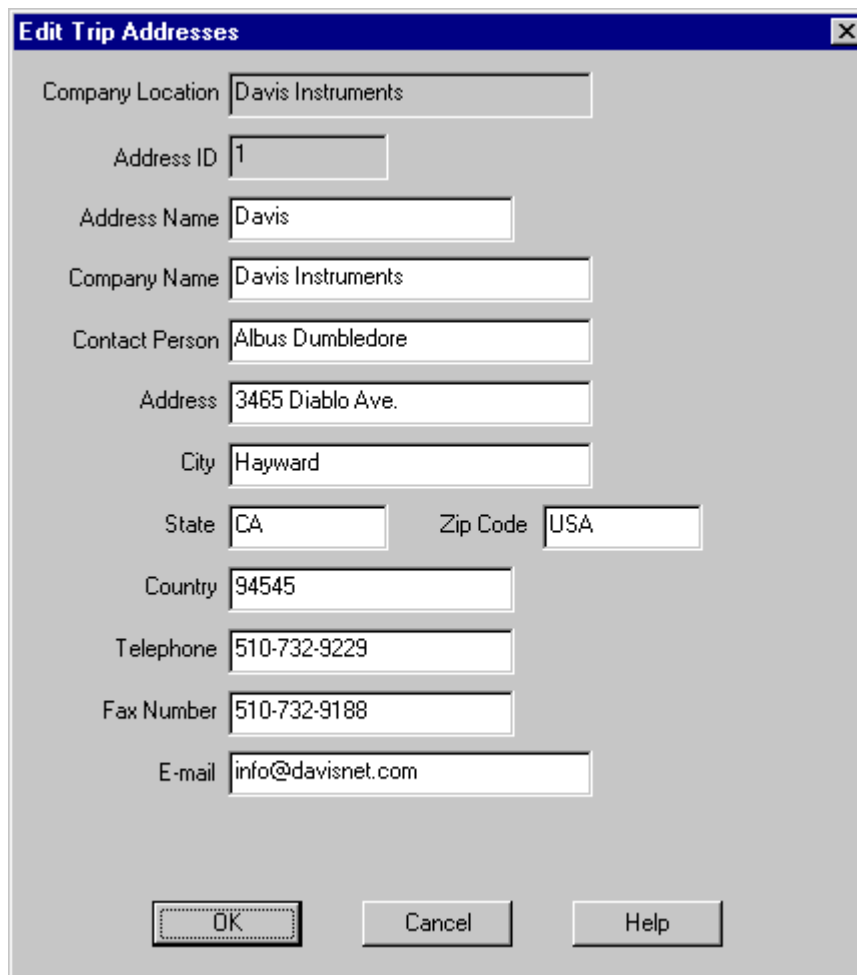
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Edit Trip Address

Use Edit in the Trips database table to edit a trip address record.

To edit a trip address record:

1. Select **Trip Address** in the **Database** menu. The Trip Addresses database table is displayed.
2. Click on a record to select it for editing. The selected record is highlighted.
3. Click **Edit** to edit the selected record. The **Edit Trip Addresses** dialog box is displayed.



Edit Trip Addresses

Company Location

Address ID

Address Name

Company Name

Contact Person

Address

City

State Zip Code

Country

Telephone

Fax Number

E-mail

4. Edit the record as desired.

5. Click **OK** to save the record or click **Cancel** to exit without saving.

See also:

Add Trip Address

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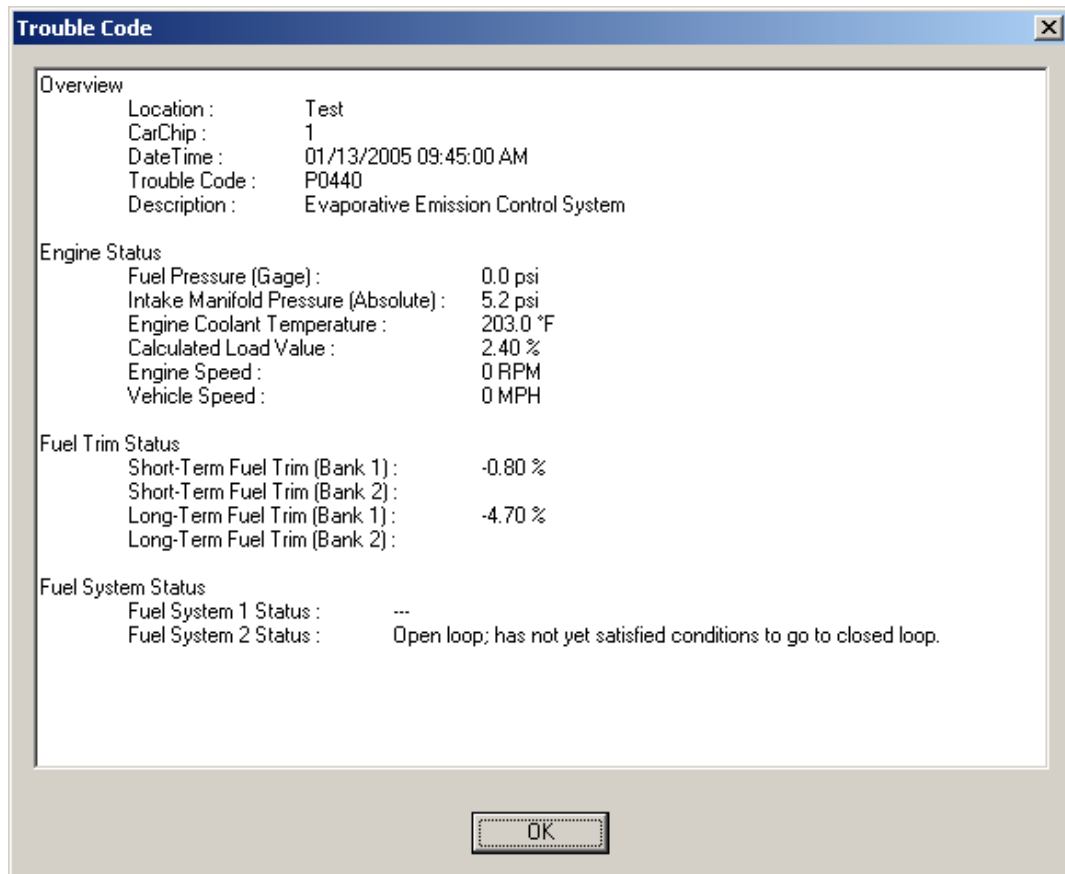
Edit Trouble Code Record

Use **Edit** in the in the Trouble Code database table to view a specific trouble code record from the database.

Note: The trouble code record cannot be edited or changed.

To view a trouble code record:

1. Select **Trouble Code** from the **Database** menu. The Filter for Trouble Codes dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Trouble Codes database table
3. Click on a record to select it for editing. The selected record is highlighted.
4. Click **Edit** to display the selected record. The **Edit Trouble Code** dialog box is displayed, with all of the engine status and fuel parameters that were recorded at the time the Trouble Code was logged.



5. Click **OK** to exit.

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Edit Vehicle

Use Edit in the Vehicles database table to edit a vehicle record.

To edit a vehicle record:

1. Select **Vehicles** in the **Database** menu. The Vehicles database table is displayed.
2. Click on a record to select it for editing. The selected record is highlighted.
3. Click **Edit** to edit the selected record. The **Edit Vehicle** dialog box is displayed.

Edit Vehicle

Company Location: Hayward

Vehicle ID: 1

DriveRight Assigned: 11

Fleet Name: Default Fleet

Default Driver: Harry Potter Add Driver

☐ Exclusive Driver

Make and Model: Ford F-150

License Plate: 384POP

VIN Number: VIN 1111111111222222333

Color: Burgandy

Purchase Date: 02/03/2003 (mm/dd/yyyy)

Current Odometer: 723.4

Vehicle Type: ☒ Light ☐ Heavy

Digital Inputs:

Green Wire: Normal Yellow Wire: Normal

OK Cancel Help

4. Edit the record as desired.
5. If you are changing the Default Driver to a new driver, you can click **Add Driver** to add a new driver the to database.
6. Check the box for **Exclusive Driver** to assign all trips for this vehicle to the default driver, even if there are other driver ID codes in the trip data.
7. Click **OK** to save the changes or click **Cancel** to exit without saving.

See also:

Add Vehicle

[Back to Database Menu | Vehicles](#)

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Edit Wireless On-Board Module

The **Edit Wireless On-Board Module** dialog box displays when a Wireless On-Board Module record is highlighted and the **Edit** button is clicked from the Wireless Devices database table.

To Edit a Wireless On-Board Module:

1. Highlight a Wireless On-Board Module record in the **Wireless Devices** database table and click **Edit**. The **Edit Wireless On-Board Module** dialog box displays.

The dialog box displays the location, serial number and the Vehicle ID the Wireless On-Board Module was assigned.

2. Select a Vehicle ID or License Plate Number from the **Vehicle ID/Lic. Plate** drop-down list to change the vehicle ID or click **Browse** to view the Vehicles Database Table. Select **Automatic** if you do not want to select a vehicle at this time. The next time either Scan Wireless On-Board Modules or Start Manual Wireless Download is selected, or an Automatic Wireless Download has occurred, the correct Vehicle ID will be assigned to the Wireless On-Board Module based on the vehicle information stored on the DriveRight device.
3. Check the **Include in Automatic Download Queue** if you wish to include this Wireless On-Board Module in the next automatic download.
4. Click **OK** to save the changes or **Cancel** to exit the dialog box without saving.

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Email List

Use Email List in the **Database** menu to view or edit email recipients.

To view or edit the email list:

1. Select **Email List** from the **Database** menu. The Email List database table is displayed.
2. Click the Add New button to add a person to the list.
3. Highlight a record in the database table and click Edit, or double-click a record to edit the record.
4. Highlight a record in the database table and click **Delete** to delete that record.
5. Click **Close** to exit the database table.
6. Click **Print** to print the database table.

See also:

Add Email Entry

Edit Email Entry

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Filter For Deleting Accident Logs

Use this filter to select Accident Log data to be deleted.

To select Accident Log data for deletion:

1. Select **Maintenance** from the **Database** menu.
2. Select **Delete Data** from the **Maintenance** sub-menu and then select **Accident Log** in the drop-down menu. The **Filter For Deleting Accident Log** dialog box is displayed.

Filter For Deleting AccidentLogs

Company Location

☐ Delete All
☐ Driver Name
☐ DriveRight ID

☐ AccidentLogs Between

Start Date (mm/dd/yyyy)

End Date

3. Select one of three options:
Click the **Delete All** to delete all records.
Click **Driver Name** and select a driver from the drop-down list to delete the records for a specific driver.
Click **DriveRight ID** and select an ID from the drop-down list to delete the records for a specific DriveRight.
4. Check **Accident Logs Between** and select a Start Date and End Date to delete records from a specific time period.
5. Click **OK** to delete the selected records or click **Cancel** to exit the dialog box.

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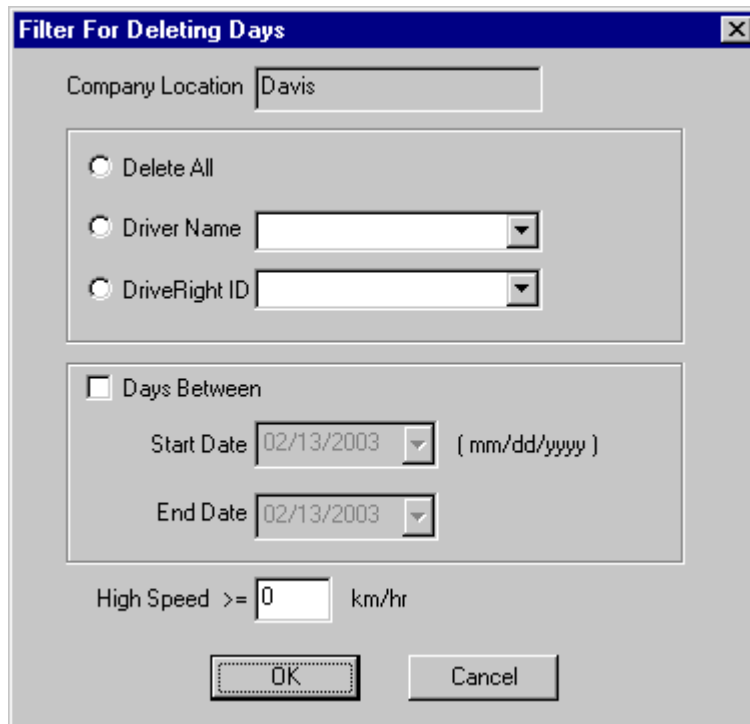
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Filter For Deleting Days

Use this filter to select Days Table records to be deleted.

To delete Days Table records:

1. Select **Maintenance** from the **Database** menu.
2. Select **Delete Data** and then select **Days** in the drop-down menu. The **Filter For Deleting Days** dialog box is displayed.



The dialog box is titled "Filter For Deleting Days" and has a close button (X) in the top right corner. It contains the following fields and controls:

- Company Location:** A text box containing the value "Davis".
- Filter Options:** Three radio buttons are stacked vertically:
 - ☐ Delete All
 - ☐ Driver Name: A dropdown menu.
 - ☐ DriveRight ID: A dropdown menu.
- Days Between:** A checkbox labeled "Days Between". Below it are two date pickers:
 - Start Date:** A dropdown menu showing "02/13/2003" with a format hint "(mm/dd/yyyy)".
 - End Date:** A dropdown menu showing "02/13/2003".
- High Speed:** A text box with a greater-than-or-equal-to symbol ">=" followed by a text box containing "0" and the unit "km/hr".
- Buttons:** "OK" and "Cancel" buttons at the bottom.

2. Select one of three options:
Click **Delete All** to select all records for deletion.
Click **Driver Name** and select a driver from the drop-down list to select the records for a specific driver for deletion.
Click **DriveRight ID** and select an ID from the drop-down list to select the records for a specific DriveRight for deletion.
3. Check **Days Between** and select a Start Date and End Date to select records from a specific time period for deletion.
4. To select for deletion only records with a high speed over a specified speed, enter a speed in the **High Speed >=** text box.
5. Click **OK** to delete the selected records or click **Cancel** to exit. If you click **OK**, a confirmation dialog box appears.
6. Click **Yes** to confirm deletion or click no to cancel the deletion.

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Filter For Deleting Download Dates

Use this filter to select Download Dates records for deletion.

To select Download Dates data for deletion:

1. Select **Maintenance** from the **Database** menu.
2. Select **Delete Data** and then select **Download Dates** in the drop-down menu. The **Filter For Deleting Download Dates** dialog box is displayed.

2. Select one of three options:

Click **Delete All** to delete all records.

Click **Driver Name** and select a driver from the drop-down list to delete the records for a specific driver.

Click **DriveRight ID** and select an ID from the drop-down list to delete the records for a specific DriveRight.

3. Check **Download Dates Between** and select a Start Date and End Date to delete records for a specific time period.

4. Click **OK** to delete the selected records or click **Cancel** to exit the dialog box.

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Filter For Deleting GPS

Use this filter to select GPS data to be deleted.

To select GPS data for deletion:

1. Select **Maintenance** from the **Database** menu.

2. Select **Delete Data** and then select **GPS** in the drop-down menu. The **Filter For Deleting GPS** dialog box is displayed.

Filter For Deleting GPS

Company Location

☐ Delete All
☐ Driver Name
☐ DriveRight ID

☐ GPS Between

Start Date & Time (mm/dd/yyyy)
End Date & Time (AM PM)

High Speed km/hr

2. Select one of three options:
Click **Delete All** to delete all records.
Click **Driver Name** and select a driver from the drop-down list to delete the records for a specific driver.
Click **DriveRight ID** and select an ID from the drop-down list to delete the records for a specific DriveRight.
3. Check **GPS Between** and select a Start Date and End Date to delete records from a specific time period.
4. To delete records with a high speed over a specified speed, enter a speed in the **High Speed** **>=** text box.
5. Click **OK** to delete the selected records or click **Cancel** to exit the dialog box.

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Filter For Deleting Odometer Logs

Use this filter to select Odometer Log data to be deleted.

To select odometer log data for deletion:

1. Select **Maintenance** from the **Database** menu.
2. Select **Delete Data** and then select **Odometer Logs** in the drop-down menu. The **Filter For Deleting Odometer Logs** dialog box is displayed.

2. Select one of three options:
Click **Delete All** to delete all records.
Click **Driver Name** and select a driver from the drop-down list to delete the records for a specific driver.
Click **DriveRight ID** and select an ID from the drop-down list to delete the records for a specific DriveRight.
3. Click **OK** to delete the selected records or click **Cancel** to exit the dialog box.

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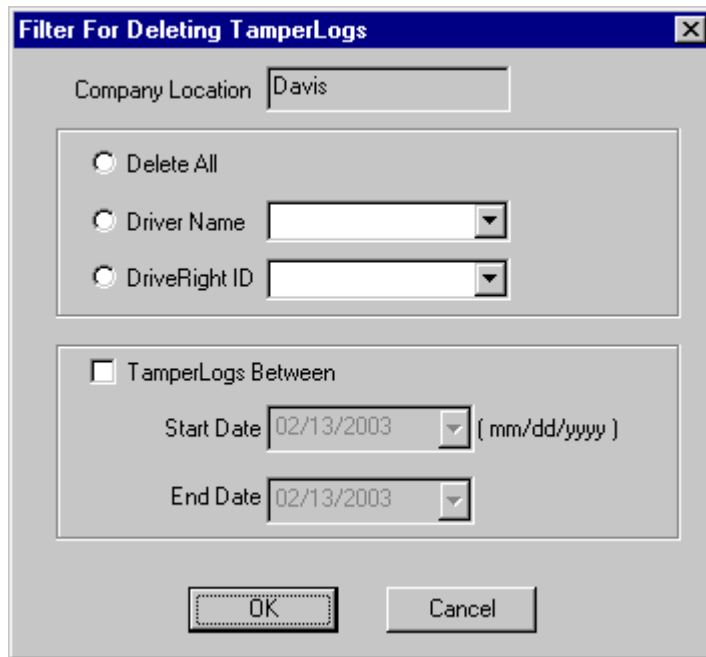
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Filter For Deleting Tamper Logs

Use this filter to select Tamper Log data to be deleted.

To select tamper log data for deletion:

1. Select **Maintenance** from the **Database** menu.
2. Select **Delete Data** and then select **Tamper Logs** from the drop-down menu. The **Filter For Deleting Tamper Logs** dialog box is displayed.



The dialog box titled "Filter For Deleting TamperLogs" has a blue title bar with a close button. It contains a "Company Location" text box with "Davis" entered. Below this is a group box with three radio buttons: "Delete All", "Driver Name", and "DriveRight ID". The "Delete All" radio button is selected. The "Driver Name" and "DriveRight ID" options have associated drop-down menus. Below the group box is another group box with a checkbox labeled "TamperLogs Between". This checkbox is unchecked. Below the checkbox are two date pickers: "Start Date" and "End Date", both showing "02/13/2003" with a "(mm/dd/yyyy)" format hint. At the bottom are "OK" and "Cancel" buttons.

3. Select one of four options:
Click the **Delete All** to delete all records.
Click **Driver Name** and select a driver from the drop-down list to delete the records for a specific driver.
Click **DriveRight ID** and select an ID from the drop-down list to delete the records for a specific DriveRight.
Click **Veh ID/Lic** and select an ID from the drop-down list to delete the records for a specific vehicle.
4. Check **Tamper Logs Between** and select a Start Date and End Date to delete records from a specific time period.
5. Click **OK** to delete the selected records or click **Cancel** to exit the dialog box.

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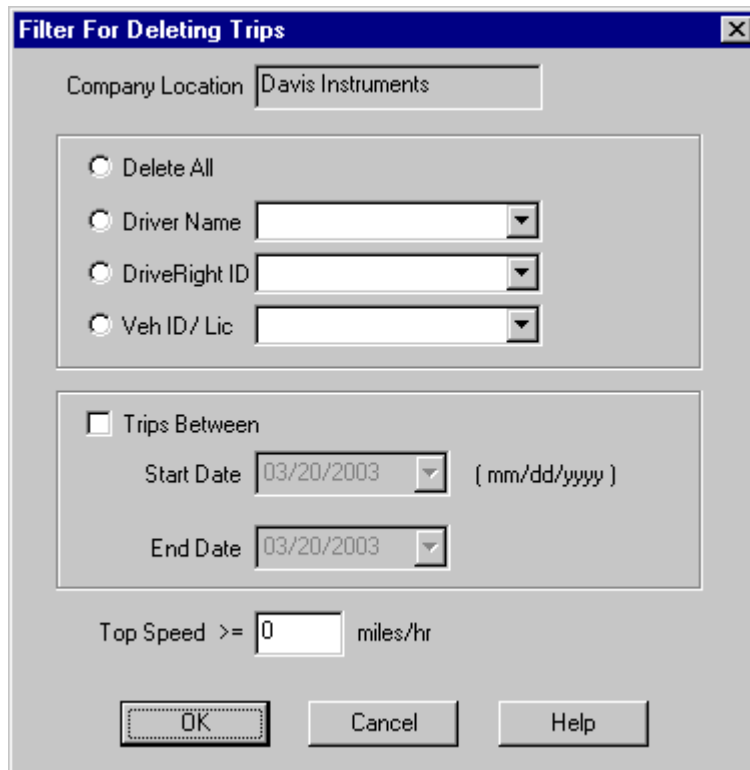
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Filter For Deleting Trips

Use this filter to select trip records for deletion.

To select trip data for deletion:

1. Select **Maintenance** from the **Database** menu.
2. Select **Delete Data** and then select **Trips** in the drop-down menu. The **Filter For Deleting Trips** dialog box is displayed.



The dialog box is titled "Filter For Deleting Trips". It contains a "Company Location" field with "Davis Instruments" entered. Below this is a group box with four radio button options: "Delete All", "Driver Name", "DriveRight ID", and "Veh ID/ Lic". Each option has a corresponding text field or dropdown menu. Below the group box is another group box labeled "Trips Between" with a checkbox. It contains "Start Date" and "End Date" fields, both showing "03/20/2003" and a "(mm/dd/yyyy)" format hint. At the bottom is a "Top Speed >=" field with "0" entered and "miles/hr" text. At the very bottom are "OK", "Cancel", and "Help" buttons.

3. Select one of four options:

Click the **Delete All** to delete all records.

Click **Driver Name** and select a driver from the drop-down list to delete the records for a specific driver.

Click **DriveRight ID** and select an ID from the drop-down list to delete the records for a specific DriveRight.

Click **Veh ID/Lic** and select an ID from the drop-down list to delete the records for a specific vehicle.

4. Check **Trips Between** and select a Start Date and End Date to delete records from a specific time period.

5. To delete records with a high speed over a specified speed, enter a speed in the **High Speed >=** text box.

6. Click **OK** to delete the selected records or click **Cancel** to exit the dialog box.

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Filter For Readiness Codes

The **Readiness Codes Filter** dialog box is displayed when you select Readiness Codes from the **Database** menu. The Readiness Code filter allows you to select readiness code data in the Readiness Codes database table for selected vehicle or CarChip IDs based on the options you choose in the filter dialog box.

Note: This dialog box works in correlation with CarChip only. The DriveRight device does not record trouble codes. If the Readiness Code Filter dialog box and resulting database are used in conjunction with data from a DriveRight device, the Readiness Code database will not display any readiness code records.

To filter readiness code data:

1. Select **Readiness Code** from the **Database** menu. The **Filter For Readiness Codes** dialog box is displayed.

Filter For Readiness Codes

Company Location: Test

☐ Browse All

☒ CarChipID: 1

☐ Veh ID/ Lic:

☐ Trips Between

Start Date: 01/20/2006 (mm/dd/yyyy)

End Date: 01/20/2006

OK Cancel Help

2. Click the **Browse All** to select all available readiness code records, or select a CarChip ID from the **CarChip ID** list box, or a Vehicle ID from the **Vehicle ID/ License** list box.
3. Select **Trips Between** and select the start and end dates to select records for a specific time period, if necessary.
4. Click **OK** to set the filter or click **Cancel** to exit the dialog box.

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Filter For Safety Score

The **Safety Score Filter** dialog box is displayed when you select **Safety Score** from the **Database** menu or when you select **Set Filter** when you are exporting safety score data. The **Safety Score Filter** allows you to select Safety Score data based on the options you choose in the filter dialog box.

To filter Safety Score data:

1. Select **Safety Score** from the **Database** menu. The **Filter For Safety Score** dialog box is displayed.

2. Select one of two options:
Click the **Browse All** to select all records.
Click **Driver Names** and select one or more drivers from the list to select the records for a one or more drivers.
3. Check **Scores Between** and select a Start Date and End Date to select records for a specific time period.
4. Click **OK** to set the filter or click **Cancel** to exit the dialog box.

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Filter For Trouble Codes

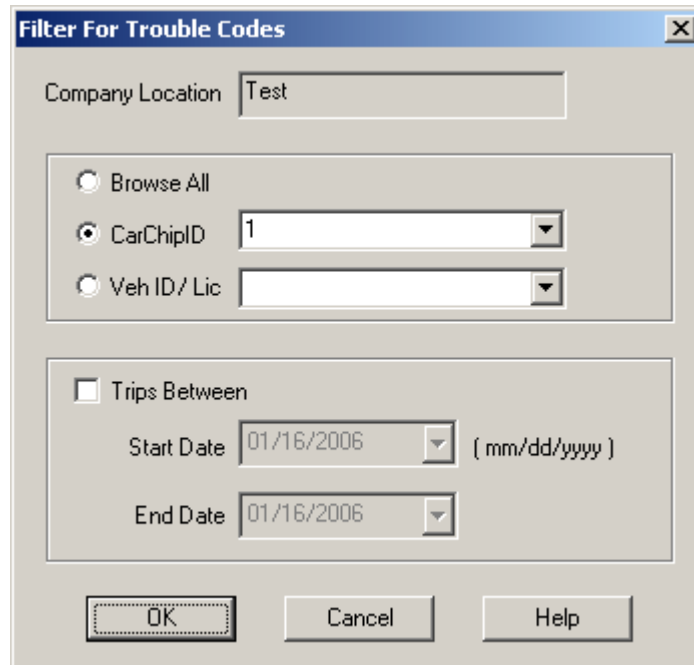
The **Trouble Codes Filter** dialog box is displayed when you select Trouble Codes from the **Database** menu. The Trouble Code filter allows you to select trouble code data to be displayed in the Trouble Code Database for selected vehicle or CarChip IDs based on the options you choose in the filter dialog box.

Note: This dialog box works in correlation with CarChip only. The DriveRight device does not record trouble codes. If the Trouble Code Filter dialog box and resulting database are used in

conjunction with data from a DriveRight device, the Trouble Code database will not display any trouble code records.

To filter Trouble Code data:

1. Select **Trouble Code** from the **Database** menu. The **Filter For Trouble Codes** dialog box is displayed.



2. Click the **Browse All** to select all available trouble code records, or select a CarChip ID from the **CarChip ID** list box, or a Vehicle ID from the **Vehicle ID/ License** list box.
3. Select **Trips Between** and select the start and end dates to select records for a specific time period, if necessary.
4. Click **OK** to set the filter or click **Cancel** to exit the dialog box.

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Filter for Accident Logs

The **Filter For Accident Logs** dialog box is displayed when you select Accident Logs from the Database menu or when you select **Set Filter** when you are exporting data. The accident log filter allows you to select data based on the options you choose in the filter dialog box.

To filter accident log data:

1. Select **Accident Logs** from the **Database** menu. The **Filter For Accident Logs** dialog box is displayed.

2. Select one of three options:

Click the **Browse All** radio button to select all records.

Click **Driver Name** and select a driver from the drop-down list to select the records for a specific driver.

Click **DriveRight ID** and select an ID from the drop-down list to select the records for a specific DriveRight.

3. Check **Accident Logs Between** and select a Start Date and End Date to select records for a specific time period.
4. Click **OK** to set the filter or click **Cancel** to exit the dialog box.

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Filter for Days

The **Filter For Days** dialog box is displayed when you select Days from the **Database** menu or when you select **Set Filter** when you are exporting data. The days filter allows you to select data based on the options you choose in the filter dialog box.

To filter days data:

1. Select **Days** from the **Database** menu. The **Filter For Days** dialog box is displayed.

Filter For Days

Company Location

☒ Browse All

☐ Driver Name

☐ DriveRight ID

☐ Days Between

Start Date (mm/dd/yyyy)

End Date

High Speed >= miles/hr

2. Select one of three options:

Click **Browse All** to select all records.

Click **Driver Name** and select a driver from the drop-down list to select the records for a specific driver.

Click **DriveRight ID** and select an ID from the drop-down list to select the records for a specific DriveRight.

3. Check **Days Between** and select a Start Date and End Date to select records for a specific time period.

4. To select records with a high speed over a specified speed, enter a speed in the **High Speed >=** text box.

5. Click **OK** to set the filter or click **Cancel** to exit the dialog box.

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Filter for Download Dates

The **Filter For Download Dates** dialog box is displayed when you select **Download Dates** from the **Database** menu or when you select Set Filter when you are exporting data. The Download Dates filter allows you to select data based on the options you choose in the filter dialog box.

To filter Download Dates data:

1. Select **Download Dates** from the **Database** menu. The **Filter For Download Dates** dialog box is displayed.

2. Select one of three options:

Click the **Browse All** to select all records.

Click **Driver Name** and select a driver from the drop-down list to select the records for a specific driver.

Click **DriveRight ID** and select an ID from the drop-down list to select the records for a specific DriveRight.

3. Check **Download Dates Between** and select a Start Date and End Date to select records for a specific time period.
4. Click **OK** to set the filter or click **Cancel** to exit the dialog box.

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Filter for GPS

The **Filter For GPS** dialog box is displayed when you select **GPS** from the **Database** menu or when you select **Set Filter** when you are exporting data. The GPS filter allows you to select data based on the options you choose in the filter dialog box.

To filter GPS data:

1. Select **GPS** from the Database menu. The **Filter For GPS** dialog box is displayed.

Filter For GPS

Company Location

☐ Browse All

☒ Driver Name

☐ DriveRight ID

☐ GPS Between

Start Date & Time (mm/dd/yyyy)

End Date & Time (AM PM)

High Speed >= miles/hr

2. Select one of three options:
Click the **Browse All** to select all records.
Click **Driver Name** and select a driver from the drop-down list to select the records for a specific driver.
Click **DriveRight ID** and select an ID from the drop-down list to select the records for a specific DriveRight.
3. Check **GPS Between** and select a Start Date and End Date to select records for a specific time period.
4. To select records with a high speed over a specified speed, enter a speed in the **High Speed >=** text box.
5. Click **OK** to set the filter or click **Cancel** to exit the dialog box.

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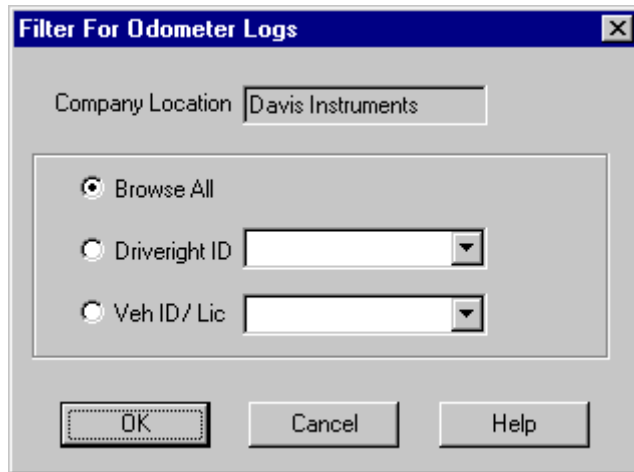
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Filter for Odometer Logs

The **Filter For Odometer Logs** dialog box is displayed when you select **Odometer Logs** from the **Database** menu or when you select **Set Filter** when you are exporting data. The odometer logs filter allows you to select data based on the options you choose in the filter dialog box.

To filter odometer log data:

1. Select **Odometer Logs** from the **Database** menu. The **Filter For Odometer Logs** dialog box is displayed.



2. Select one of three options:

Click **Browse All** to select all records.

Click **Driver Name** and select a driver from the drop-down list to select the records for a specific driver.

Click **DriveRight ID** and select an ID from the drop-down list to select the records for a specific DriveRight.

3. Click **OK** to set the filter or click **Cancel** to exit the dialog box.

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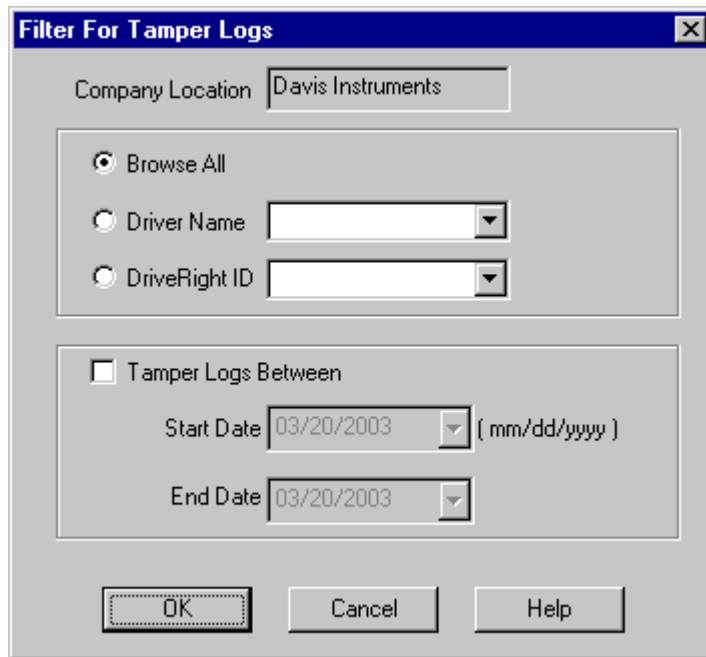
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Filter for Tamper Logs

The **Tamper Logs Filter** dialog box is displayed when you select **Tamper Logs** in the **Database** menu or when you select **Set Filter** when you are exporting data.. The tamper logs filter allows you to select tamper log records based on the options you choose in the filter dialog box.

To filter tamper log data:

1. Select **Tamper Logs** from the **Database** menu. The **Filter For Tamper Logs** dialog box is displayed.



The image shows a Windows-style dialog box titled "Filter For Tamper Logs". At the top, there is a text field labeled "Company Location" containing the text "Davis Instruments". Below this, there are three radio button options: "Browse All" (which is selected), "Driver Name", and "DriveRight ID". The "Driver Name" and "DriveRight ID" options each have a corresponding empty drop-down menu. Below these options is a section labeled "Tamper Logs Between" with an unchecked checkbox. Under this checkbox are two date pickers: "Start Date" and "End Date", both showing "03/20/2003" and followed by the text "(mm/dd/yyyy)". At the bottom of the dialog are three buttons: "OK", "Cancel", and "Help".

2. Select one of three options:
Click the **Browse All** to select all records.
Click **Driver Name** and select a driver from the drop-down list to select the records for a specific driver.
Click **DriveRight ID** and select an ID from the drop-down list to select the records for a specific DriveRight.
3. Check **Tamper Logs Between** and select a Start Date and End Date to select records from a specific time period.
4. Click **OK** to set the filter or click **Cancel** to exit the dialog box without opening the browser window.

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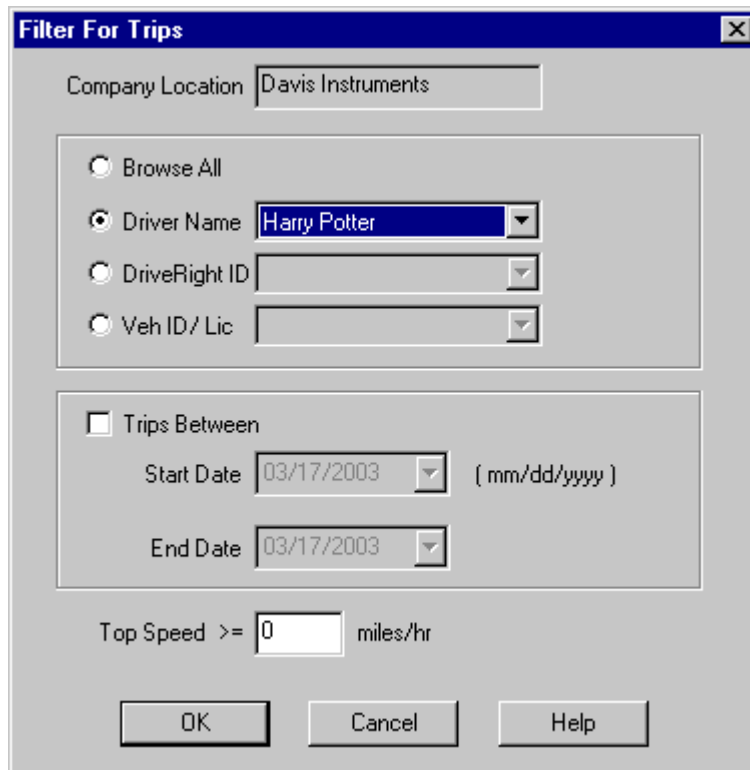
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Filter for Trips

The **Trips Filter** dialog box is displayed when you select **Trips** from the **Database** menu or when you select **Set Filter** when you are exporting data. The trips filter allows you to select trip data based on the options you choose in the filter dialog box.

To filter trip data:

1. Select **Trips** from the **Database** menu. The **Filter For Trips** dialog box is displayed.



The 'Filter For Trips' dialog box has a title bar with a close button. It contains the following fields and controls:

- Company Location:** A text box containing 'Davis Instruments'.
- Filter Options:** A group box containing four radio buttons:
 - ☐ Browse All
 - ☒ Driver Name: A dropdown menu showing 'Harry Potter'.
 - ☐ DriveRight ID: An empty dropdown menu.
 - ☐ Veh ID/ Lic: An empty dropdown menu.
- Trips Between:** A checkbox labeled 'Trips Between' is unchecked. Below it are two date pickers:
 - Start Date: 03/17/2003 (format: mm/dd/yyyy)
 - End Date: 03/17/2003
- Top Speed >=:** A text box containing '0' followed by 'miles/hr'.
- Buttons:** 'OK', 'Cancel', and 'Help' buttons at the bottom.

2. Select one of four options:

Click **Browse All** to select all records.

Click **Driver Name** and select a driver from the drop-down list to select the records for a specific driver.

Click **DriveRight ID** and select an ID from the drop-down list to select the records for a specific DriveRight.

Click **Veh ID/Lic** and select an ID from the drop-down list to select the records for a specific vehicle.

3. Check **Trips Between** and select a Start Date and End Date to select records for a specific time period.

4. To select records with a high speed over a specified speed, enter a speed in the **High Speed >=** text box.

5. Click **OK** to set the filter or click **Cancel** to exit the dialog box.

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Print Days

Use the Print command in the Days browser to print days records.

To print days records:

1. Select **Days** from the **Database** menu. The Filter for Days dialog box is displayed.
2. After selecting your filter options, click **OK** to display the Days database table.
3. Click **Print**. The **Select Days Fields to Print** dialog box is displayed.

Select Days Fields to Print

☒ Print All Fields

☐ Select fields to print

| | |
|--|--|
| <input type="checkbox"/> Location | <input type="checkbox"/> Decel Count |
| <input type="checkbox"/> DriveRight ID | <input type="checkbox"/> Speed Limit |
| <input type="checkbox"/> DayDate | <input type="checkbox"/> Accel Limit |
| <input type="checkbox"/> Day | <input type="checkbox"/> Decel Limit |
| <input type="checkbox"/> Driver | <input type="checkbox"/> DriveRight Type |
| <input type="checkbox"/> Distance | <input type="checkbox"/> First Move |
| <input type="checkbox"/> High Speed | <input type="checkbox"/> Last Move |
| <input type="checkbox"/> Time of HighSpeed | <input type="checkbox"/> Time In Motion |
| <input type="checkbox"/> Time Over Speed | <input type="checkbox"/> High Accel |
| <input type="checkbox"/> Total Time | <input type="checkbox"/> High Accel Time |
| <input type="checkbox"/> Accel Count | |

Clear All Set All

OK Cancel

To print all fields in the records, leave the **Print All Fields** box checked.

To print selected fields, check the Select fields to print box, then check each of the fields to be printed.

4. Click **Clear All** to de-select all fields, or click **Set All** to select all fields.
5. Click **OK** to print or click **Cancel** to exit without printing.

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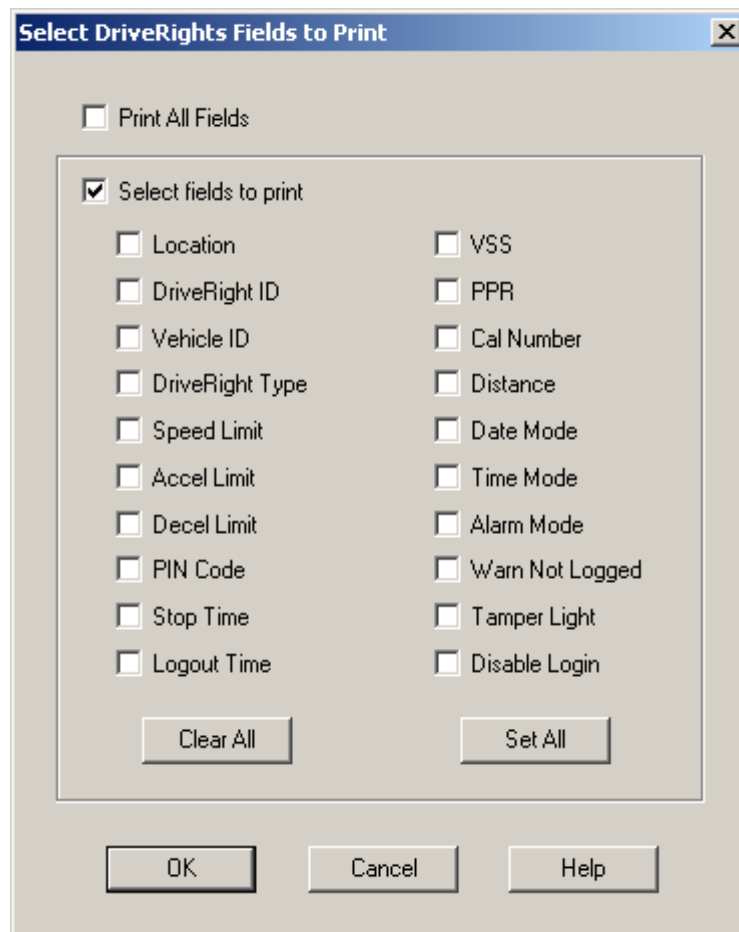
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Print DriveRights

Use **Print** in the DriveRights database table to print DriveRight records.

To print DriveRight records:

1. Select **DriveRights** from the **Database** menu. The DriveRights database table is displayed.
2. Click **Print**. The **Select DriveRights Fields to Print** dialog box is displayed.



3. To print all fields in the records, leave the **Print All Fields** box checked.
4. To print selected fields, check the **Select fields to print** box, then check each of the fields to be printed.
5. You can click **Clear All** to de-select all fields, or click **Set All** to select all fields.
6. Click **OK** to print or click **Cancel** to exit without printing.

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Print Drivers

Use **Print** from the Drivers database table to print driver records.

To print driver records:

1. Select Drivers from the **Database** menu. The Drivers database table is displayed.
2. Click **Print**. The **Select Drivers Fields to Print** dialog box is displayed.

Select Drivers Fields to Print

☒ **Print All Fields**

☐ **Select fields to print**

| | |
|---|---|
| <input checked="" type="checkbox"/> Location | <input type="checkbox"/> City and State |
| <input checked="" type="checkbox"/> Driver ID | <input type="checkbox"/> Zip Code |
| <input checked="" type="checkbox"/> Group Name | <input type="checkbox"/> Phone Number |
| <input checked="" type="checkbox"/> Driver Name | <input type="checkbox"/> Email |
| <input type="checkbox"/> Initials | <input type="checkbox"/> Company Name |
| <input type="checkbox"/> Address | <input type="checkbox"/> Employee ID |

Clear All **Set All**

OK **Cancel**

4. To print all fields in the records, leave the **Print All Fields** box checked.
5. To print selected fields, check the **Select fields to print** box, then check each of the fields to be printed.
6. You can click **Clear All** to de-select all fields, or click **Set All** to select all fields.
7. Click **OK** to print or click **Cancel** to exit without printing.

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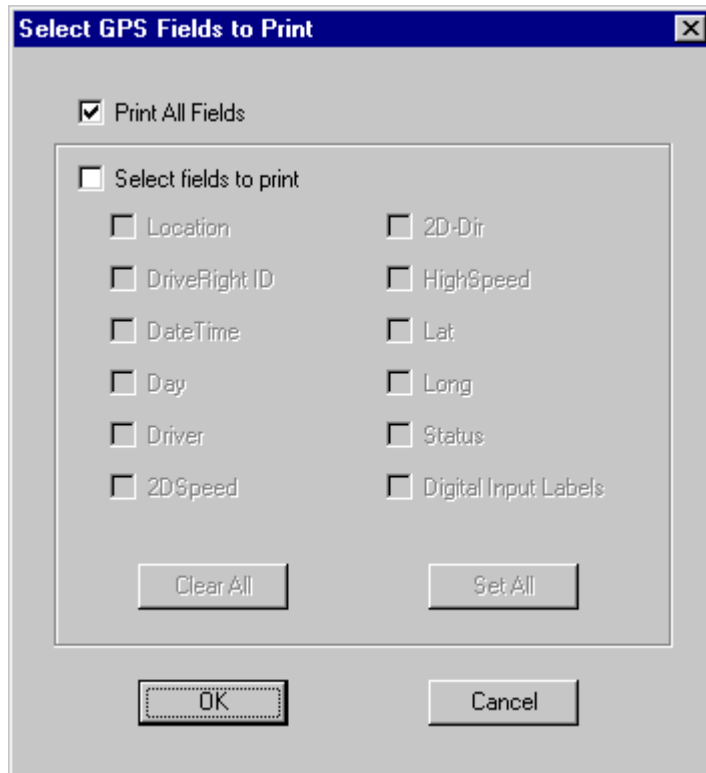
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Print GPS

Use **Print** in the GPS database table to print GPS records.

To print GPS records:

1. Select **GPS** from the **Database** menu. The Filter for GPS dialog box is displayed.
2. After selecting your filter options, click **OK** to display the GPS database table.
3. Click **Print**. The **Select GPS Fields to Print** dialog box is displayed.



4. To print all fields in the records, leave the **Print All Fields** box checked.
5. To print selected fields, check the **Select fields to print** box, then check each of the fields to be printed.
6. You can click **Clear All** to de-select all fields, or click **Set All** to select all fields.
7. Click **OK** to print or click **Cancel** to exit without printing.

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Print Trip Records

Use **Print** from the Trips database table to print trip records.

To print trip records:

1. Select **Trips** from the **Database** menu. The Filter for Trips database table is displayed.
2. After selecting your filter options, click **OK** to display the Trips database table.
3. Click **Print**. The **Select Trips Fields to Print** dialog box is displayed.

Select Trips Fields to Print

☒ Print All Fields

☐ Select fields to print

| | |
|--|--|
| <input type="checkbox"/> Location | <input type="checkbox"/> Time Over Speed |
| <input type="checkbox"/> DriveRight | <input type="checkbox"/> Start Odometer |
| <input type="checkbox"/> Driver | <input type="checkbox"/> End Odometer |
| <input type="checkbox"/> Day | <input type="checkbox"/> Accel Count |
| <input type="checkbox"/> Date | <input type="checkbox"/> Decel Count |
| <input type="checkbox"/> Start Time | <input type="checkbox"/> Trip Type |
| <input type="checkbox"/> End Time | <input type="checkbox"/> From Address |
| <input type="checkbox"/> Trip Time | <input type="checkbox"/> To Address |
| <input type="checkbox"/> Distance | <input type="checkbox"/> Reason |
| <input type="checkbox"/> Vehicle ID | <input type="checkbox"/> Start Digital Input |
| <input type="checkbox"/> Average Speed | <input type="checkbox"/> End Digital Input |
| <input type="checkbox"/> Top Speed | |

Clear All Set All

OK Cancel

4. To print all fields in the records, leave the **Print All Fields** box checked.
5. To print selected fields, check the **Select fields to print** box, then check each of the fields to be printed.
6. You can click **Clear All** to de-select all fields, or click **Set All** to select all fields.
7. Click **OK** to print or click **Cancel** to exit without printing.

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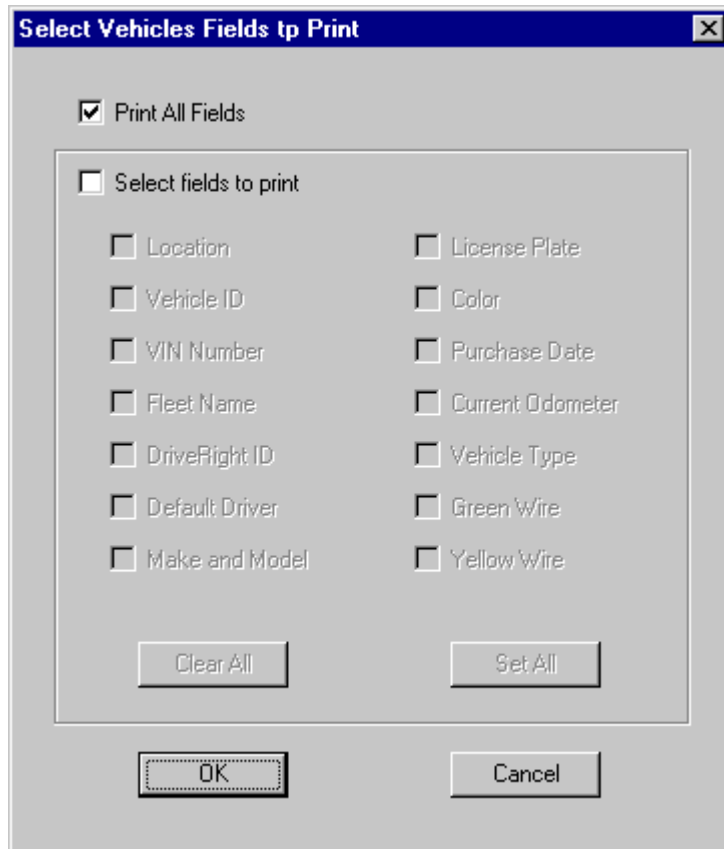
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Print Vehicles

Use the Print command in the Vehicles database table to print vehicle records.

To print vehicle records:

1. Select **Vehicles** from the **Database** menu. The Vehicles database table is displayed.
2. Click **Print**. The **Select Vehicles Fields to Print** dialog box is displayed.



3. To print all fields in the records, leave the **Print All Fields** box checked.
4. To print selected fields, check the **Select fields** to print box, then check each of the fields to be printed.
5. You can click **Clear All** to de-select all fields, or click **Set All** to select all fields.
6. Click **OK** to print or click **Cancel** to exit without printing.

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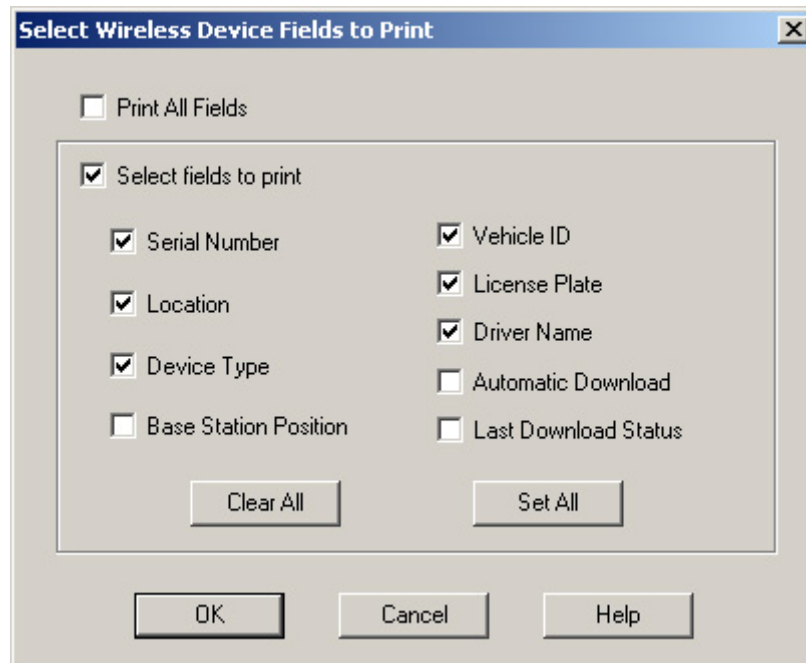
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Print Wireless Devices

Use **Print** command in the Wireless Devices database table to print records for wireless devices.

To print days records:

1. Select **Wireless Devices** from the **Database** menu. The Wireless Devices database table displays.
2. Click **Print**. The **Select Wireless Devices Fields to Print** dialog box is displayed.



To print all fields in the records, leave the **Print All Fields** box checked.

To print selected fields, check the **Select fields to print box**, then check each of the fields to be printed.

4. Click **Clear All** to de-select all fields, or click **Set All** to select all fields.
5. Click **OK** to print or click **Cancel** to exit without printing.

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Reports Menu

Reports Menu

DriveRight can produce a number of useful reports. The reports can be displayed on the screen or printed.

The following reports are available:

Accident Log Report
Driver Safety Score
Driver Safety Score Summary
Exception Reports
Database Reports
Usage Report
Trip Summary Report
Tamper Logs Report
Odometer Report
Relationship Report
Days Since Last Download
Wireless Download Status Report

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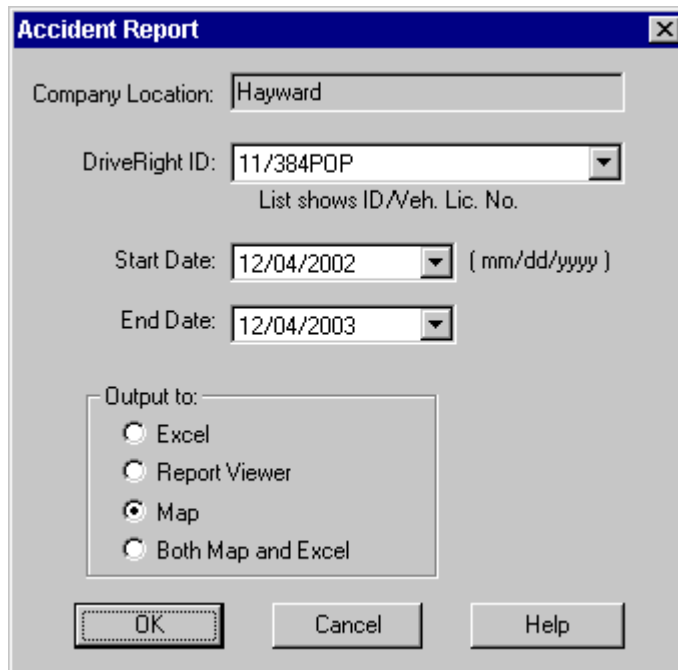
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Accident Log Report

The Accident Log report allows you to view, print, export or map the contents of the Accident Log.

To create an Accident Log Report:

1. Select **Accident Log Report** from the **Reports** Menu. The **Accident Report** dialog box is displayed.



2. Verify the Company Location. Use the Current Location command in the **Setup** Menu to change the location if necessary.
3. Select the DriveRight ID to be used in the report.
4. Select the Start Date and the End Date for the accident logs to be listed in the report.
5. Select the type of output for the report: Excel, Report Viewer, Map, or both Map and Excel.
6. Click **OK** to create the report or click **Cancel** to exit the dialog box.

See also:

Mapping Quick Reference Menu

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Driver Safety Score Report

The Driver Safety Score report allows you to customize, view, print, email, or export the Driver Safety Score.

To create the Driver Safety Score Report:

1. Select Driver Safety Score Report from the Reports Menu. The Driver Safety Score dialog box is displayed.

2. Click on the company locations to be used in the report. The selected locations are highlighted.
3. Select the Start Date and the End Date for the driver safety data to be included in the report.
4. Use the "Compare with last ____ months" text box to enter the number of months back from the start date that you want to include in the calculation of the "cumulative" score. The cumulative score will be calculated from the start date minus X months up to and including the end date.
5. Use the Sort by options to sort the output by current score, cumulative score, or the driver's name. If you sort by current score and choose "Use Color", the coloring is done based on the current score. If you sort by cumulative score, the coloring is done based on cumulative score. If you sort by driver's name, coloring is done based on the current score.
6. Select the type of output for the report: Excel, Report Viewer, or Email. Click Use Color to enable color printing.
7. Check Group By Location to group together the scores for each location. Check Drivers With Mileage Only to display only drivers with trips/mileage listed to their identification. Check Corporate Report to generate the Driver Safety Score Report based on the corporate hierarchy structure created in the Corporate Structure dialog box.
8. Click on the Formula button to view or change the Driver Safety Score parameters.
9. Click OK to create the report or click Cancel to exit the dialog box.

See also:

Driver Safety Score Formula

Output to Excel

Output to Email

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Driver Safety Score Summary Report

The Driver Safety Score Summary command creates a Driver Safety Score Summary Report based on the Safety Score Reports stored in the Safety Score Table.

To create the Driver Safety Score Summary Report:

1. Select **Driver Safety Score Summary Report** from the **Reports** Menu. The **Driver Safety Score Summary** dialog box is displayed.

The screenshot shows the 'Driver Safety Score Summary' dialog box. It has a title bar with a close button. The main area is divided into several sections. On the left, under 'Company Locations:', there is a list box with four items: 'Fremont', 'Hayward' (which is highlighted), 'Kennewick', and 'Oakland'. To the right of this list is a 'Sort by:' section with three radio buttons: 'Current Score', 'Report Average', and 'Driver Name' (which is selected). Below the list box are three date pickers: 'Duration:' set to '12 Months', 'Start Date:' set to '12/01/2002' with a '(mm/dd/yyyy)' label, and 'End Date:' set to '11/30/2003'. To the right of these date pickers is an 'Output to:' section with two radio buttons: 'Excel' and 'Email' (which is selected). There is also a 'Use Color' checkbox which is checked. Below the 'Output to:' section are two checkboxes: 'Group By Location' (checked) and 'Recalc data for all months' (unchecked). At the bottom of the dialog are four buttons: 'OK', 'Cancel', 'Formula', and 'Help'.

2. Click on the company locations to be used in the report. The selected locations are highlighted.
3. Select the Duration of the report. This is the number of months to be included in the report.

4. Select the End Date for the report. FMS will calculate the Start Date based on the Duration and End Date.
5. Use the Sort by options to sort the output by current score, report average, or the driver's name. If you sort by current score and choose "Use Color", the coloring is done based on the current score. If you sort by report average, the coloring is done based on report average score. If you sort by driver's name, coloring is done based on the current score.
6. Select the type of output for the report: Excel, Report Viewer, or Email. Click Use Color to enable color printing.
7. Check "Group By Location" to group together the scores for each location.
8. Check "Recalc data for all months" to have the monthly scores recalculated for this report.
9. Click the **Formula** button to view or change the Driver Safety Score parameters.
10. Click **OK** to create the report or click **Cancel** to exit the dialog box.

See also:

[Driver Safety Score Formula](#)

[Output to Excel](#)

[Output to Email](#)

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Exception Reports

Exception Reports

Exception Reports can be printed for Vehicles, Drivers, and Trip Addresses.

[Excessive Speed Report](#)

[Night Driving Report](#)

[Hard Braking Report](#)

[Time Over Speed](#)

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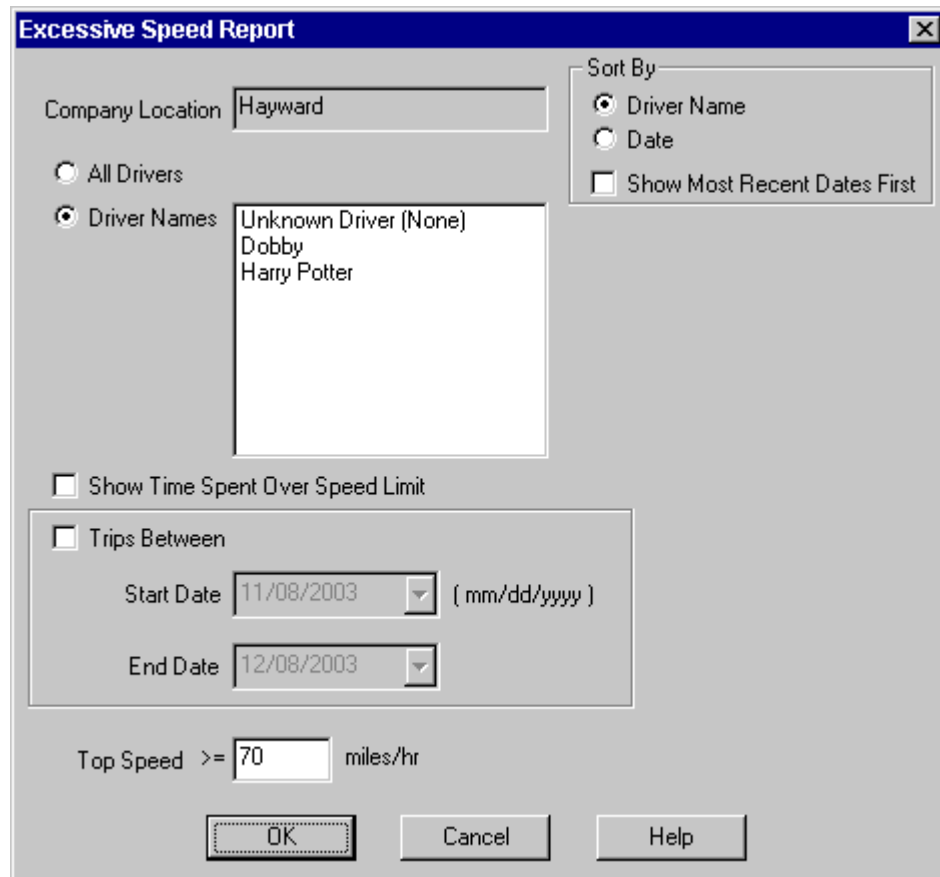
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Excessive Speed Report

Use the Excessive Speed Report to identify drivers that exceed a set speed.

To create an Excessive Speed Report:

1. Select **Excessive Speed Report** from the **Exception Reports** submenu in the **Reports** Menu. The **Excessive Speed Report** dialog box is displayed.



The dialog box titled "Excessive Speed Report" contains the following fields and controls:

- Company Location:** A text box containing "Hayward".
- Sort By:** A group box containing two radio buttons: "Driver Name" (selected) and "Date". Below them is a checkbox labeled "Show Most Recent Dates First".
- Driver Selection:** Two radio buttons: "All Drivers" and "Driver Names" (selected). Below "Driver Names" is a list box containing "Unknown Driver (None)", "Dobby", and "Harry Potter".
- Show Time Spent Over Speed Limit:** A checkbox that is currently unchecked.
- Trips Between:** A group box containing two date pickers: "Start Date" (11/08/2003) and "End Date" (12/08/2003). A label "(mm/dd/yyyy)" is to the right of the Start Date picker.
- Top Speed:** A text box containing "70" followed by "miles/hr".
- Buttons:** "OK", "Cancel", and "Help" buttons at the bottom.

2. Verify the Company Location. Use the Current Location command in the Setup Menu to change the location if necessary.
3. Select the Sort By criteria by clicking next to either Driver Name or Date.
4. Select All Drivers to print the report for all drivers, or select Driver Names to create the report for specific drivers.
5. If you are creating the report for specific drivers, select the driver's name in the list.
 - o Click once to select the name and click a second time to clear the name.
 - o Multiple drivers can be selected for the report.

6. Check "Show Most Recent Dates First" to list trips from the most recent trip to the oldest. If this box isn't checked the trips will be listed from the oldest trip to the most recent.
7. Select Trips Between to create a report that only lists trips taken between specific dates. If you select Trips Between, then indicate the Start Date and End Date for the reported trips.
8. Enter the Top Speed in the edit box. Trips with speeds in excess of the top speed will be listed in the report.
9. Click **OK** to create the report or click **Cancel** to exit the dialog box.
10. You can clear the report using the Clear Screen command in the **File** Menu or by clicking



on the Clear Screen icon: .

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Night Driving Report

Use the Night Driving Report to list trips that occur during user-defined nighttime hours. Use this report to track unauthorized night driving.

To create a Night Driving Report:

1. Select **Night Driving** from the **Exception Reports** submenu in the **Reports** Menu. The Night Driving Report dialog box is displayed.

Night Driving Report

Company Location:

☐ All Drivers
☒ Driver Names

Unknown Driver (None)
 Dobby
 Harry Potter

Sort By:

☒ Driver Name

☐ Date

☐ Show Most Recent Dates First

Define Night:

After: [AM PM]

Before:

Choose Limit:

☒ Single trip with night driving time >= (hh:mm)

☐ Total night driving time for interval >=


Choose Interval:

☐ Trips Between

Start Date: [mm/dd/yyyy]

End Date:

OK Cancel Help

2. Verify the Company Location. Use the Current Location command in the Setup Menu to change the location if necessary.
3. Select the Sorting criteria by clicking next to either Driver Name or Date.
4. Check "Show Most Recent Dates First" to list trips from the most recent trip to the oldest. If this box isn't checked the trips will be listed from the oldest trip to the most recent.
5. Select All Drivers to print the report for all drivers, or select Driver Names to create the report for specific drivers.
6. If you are creating the report for specific drivers, click on the drivers name in the list.
 - Click once to select the name and click a second time to clear the name.
 - Multiple drivers can be selected for the report.
6. In the Define Night box enter the night times for the report. Night will begin at the After time. Night will end at the Before time.
7. In the Choose Limit box you can configure the report to list trips with at least the minimum amount of night driving time that you specify for a single trip, or you can choose to list trips for drivers with at least the minimum amount of total night driving time during the chosen date interval.
8. In the **Choose Interval** box, set the start and end dates for the trips to be included in the report.
9. Click **OK** to create the report or click **Cancel** to exit the dialog box.
10. You can clear the report using the Clear Screen command in the File Menu or by clicking on the Clear Screen icon: .

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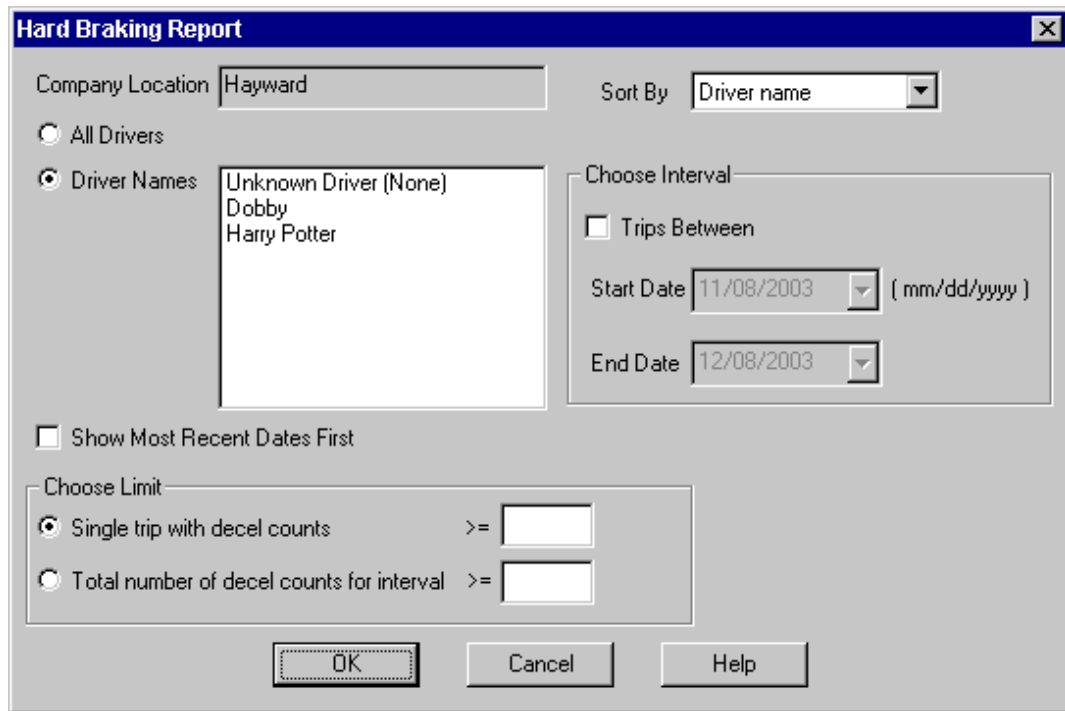
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Hard Braking Report

Use the Hard Braking Report to identify drivers that use the brakes excessively.


To create a Hard Braking Report:

1. Select **Hard Braking** from the **Exception Reports** submenu in the **Reports** Menu. The **Hard Braking Report** dialog box is displayed.



The dialog box is titled "Hard Braking Report". It contains the following fields and controls:

- Company Location:** A text box containing "Hayward".
- Sort By:** A dropdown menu showing "Driver name".
- Driver Selection:** Two radio buttons. "All Drivers" is unselected, and "Driver Names" is selected. Below "Driver Names" is a list box containing "Unknown Driver (None)", "Dobby", and "Harry Potter".
- Choose Interval:** A section containing a checkbox "Trips Between" (unselected), a "Start Date" dropdown showing "11/08/2003" with a "(mm/dd/yyyy)" label, and an "End Date" dropdown showing "12/08/2003".
- Show Most Recent Dates First:** An unchecked checkbox.
- Choose Limit:** A section containing two radio buttons. "Single trip with decel counts" is selected, followed by ">=" and a text box. "Total number of decel counts for interval" is unselected, followed by ">=" and a text box.
- Buttons:** "OK", "Cancel", and "Help" buttons at the bottom.

2. Verify the Company Location. Use the Current Location command in the Setup Menu to change the location if necessary.
3. Select the Sort By criteria from the drop-down list: Driver name, Date, Decel count and Decel count rate.
4. Select All Drivers to print the report for all drivers, or select Driver Names to create the report for specific drivers.
5. If you selected Driver Names, click on the names of drivers to be included in the report.
 - Click once to select the name. You can click a second time to clear the name.
 - Multiple drivers can be selected for the report.
6. Check "Show Most Recent Dates First" to list trips from the most recent trip to the oldest. If this box isn't checked the trips will be listed from the oldest trip to the most recent.
7. In the Choose Limit box you can configure the report to include all trips with at least the indicated number of deceleration counts or you can include the trips for all drivers that exceed the minimum number of deceleration counts during the chosen date interval.
8. In the **Choose Interval** box, set the start and end dates for the trips to be included in the report.
9. Click **OK** to create the report or click **Cancel** to exit the dialog box.
10. You can clear the report using the Clear Screen command in the File Menu or by clicking on the Clear Screen icon: .

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Time Over Speed


Use the Time Over Speed Report to identify drivers that speed excessively.

To create a Time Over Speed Report:

1. Select **Time Over Speed** from the **Exception Reports** submenu in the **Reports** Menu. The **Time Over Speed Report** dialog box is displayed.

The screenshot shows the 'Time Over Speed Report' dialog box. It has a title bar with the text 'Time Over Speed Report' and a close button. The dialog contains several fields and options: 'Company Location' is a text box with 'Hayward' entered; 'Sort By' is a dropdown menu with 'Driver name' selected; there are two radio buttons for 'All Drivers' (selected) and 'Driver Names'; the 'Driver Names' list shows 'Unknown Driver (None)', 'Dobby', and 'Harry Potter'; a 'Choose Interval' section has a 'Trips Between' checkbox (unchecked) and date pickers for 'Start Date' (12/08/2003) and 'End Date' (12/08/2003); a 'Show Most Recent Dates First' checkbox is checked; a 'Choose Limit' section has two radio buttons: 'Single trip with time over speed limit >=' (unchecked) and 'Total time over speed limit for interval >=' (checked), with a text box containing '30' and unit radio buttons for 'seconds' (selected), 'minutes', and 'hours'. At the bottom are 'OK', 'Cancel', and 'Help' buttons.

2. Verify the Company Location. Use the Current Location command in the Setup Menu to change the location if necessary.
3. Select the Sort By criteria from the drop-down list: Driver name, Date, Time over speed and % of time over speed..
4. Select All Drivers to print the report for all drivers, or select Driver Names to create the report for specific drivers.
5. If you selected Driver Names, click on the names of drivers to be included in the report.
 - o Click once to select the name. You can click a second time to clear the name.
 - o Multiple drivers can be selected for the report.
6. In the **Choose Interval** box, set the start and end dates for the trips to be included in the report.
7. Check "Show Most Recent Dates First" to list trips from the most recent trip to the oldest. If this box isn't checked the trips will be listed from the oldest trip to the most recent.

8. In the **Choose Limit** box, configure the report to include all single trips with at least the amount of time over the speed limit or you can configure the report to show total time over the speed limit..
9. Click **OK** to create the report or click **Cancel** to exit the dialog box.
10. You can clear the report using the Clear Screen command in the File Menu or by clicking on the Clear Screen icon: .

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Database Reports

Database Reports

Database Reports can be printed for Vehicles, Drivers, and Trip Addresses.

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[Trip Addresses Report](#)

[Drivers Report](#)

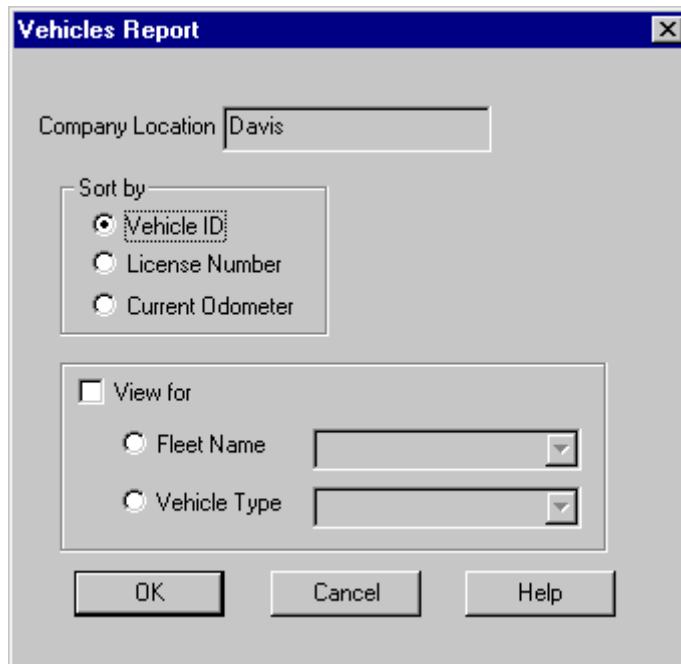
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Vehicles Report

To print a Vehicles Report:

1. Select Vehicles Report from the Database command in the Reports Menu. The Vehicles Report dialog box is displayed.



2. Verify the Company Location. Use Current Location in the **Setup** Menu to change the location if necessary.
3. Select the Sorting criteria by clicking next to the desired parameter.
4. Select **View for** to display vehicles from a specific fleet or of a specific type.
5. Click **OK** to create the report or click **Cancel** to exit the dialog box.
6. You can clear the report using the Clear Screen command in the File Menu or by clicking on the Clear Screen icon: .


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Trip Addresses Report

The Trip Addressees Report displays a list of the trip addresses in your database.

To view the Trip Addresses Report:

1. Select **Trip Addresses Report** from the **Database** submenu in the **Reports** Menu. The Trip Addresses Report is displayed.
2. You can clear the report using the Clear Screen command in the File Menu or by clicking on the Clear Screen icon: .

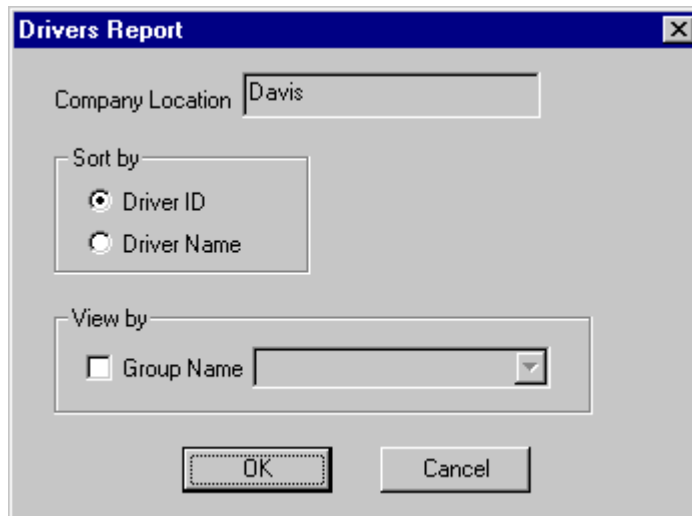
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Drivers Report

To print a Drivers Report:

1. Select **Drivers Report** from the **Database** submenu in the **Reports** Menu. The **Drivers Report** dialog box is displayed.



2. Verify the Company Location. Use the Current Location command in the Setup Menu to change the location if necessary.
3. Select the sorting criteria by clicking next to the desired parameter.
4. Select **View by** to display drivers from a specific group.
5. Click **OK** to create the report or click **Cancel** to exit the dialog box.
6. You can clear the report using the Clear Screen command in the File Menu or by clicking



on the Clear Screen icon: .

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Usage Report

The Usage Report provides a quick and easy-to-read summary of driver or vehicle mileage.

To create a Usage Report:

1. Select **Usage Report** from the **Reports** Menu. The **Usage Report** dialog box is displayed.

2. Verify the Company Location. Use the Current Location command in the **Setup** Menu to change the location if necessary.
3. Select the criteria for sorting the report from the **Sorting By** drop-down list.
4. Select **All Drivers** to print the report for all drivers, or select **Driver Names** to create the report for specific drivers.
5. If you are creating a report for specific drivers, click on the drivers name in the list.
 - o Click once to select the driver and click a second time to de-select the driver.
 - o Multiple drivers can be selected for the report.
6. Select **All Vehicles** to print the report for all vehicles, or select **Veh ID/ Lic. No** to create the report for specific vehicles.
7. If you are creating a report for specific vehicles, click on the vehicles ID in the list.
 - o Click once to select the vehicle and click a second time to de-select the vehicle.
 - o Multiple vehicles can be selected for the report.
9. Check "Show Mileage By Trip Type" to include a breakdown of the trip mileage by type of trip. DriveRight supports the following trip types: business, personal, commute and other.

10. To specify a start date and end date for the report, check **Trips Between** and then enter the starting and ending dates.
11. Select the type of output for the report: Excel, Report Viewer, or Email.
12. Click on the Formula button to set or change the time definitions for night and weekend driving.
13. Click **OK** to create the report or click **Cancel** to exit the dialog box.

See also:

Usage Report Formula

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Trip Summary Report

The Trip Summary Report provides a quick and easy-to-read summary of trips taken by either drivers or vehicles. The report also calculates the total trip time and distance for each driver.

To create a Trip Summary Report:

1. Select **Trip Summary Report** from the **Reports** Menu. The **Trip Summary Report** dialog box is displayed.

Trip Summary Report

Company Location:

☐ All Drivers
 ☐ All Vehicles

☒ Driver Names

Unknown Driver (None)
 Dobby
Harry Potter

☐ Veh ID/ Lic. No


1/384POP
 2/
 3/
 4/

☐ Show Most Recent Dates First

☐ Trips Between

Start Date: (mm/dd/yyyy)
 End Date:

2. Verify the Company Location. Use the Current Location command in the **Setup** Menu to change the location if necessary.
3. Select the Sorting criteria from the drop-down list.
4. Select **All Drivers** to print the report for all drivers, or select **Driver Names** to create the report for specific drivers.
5. If you are creating a report for specific drivers, click on the drivers name in the list.
 - o Click once to select the drive and click a second time to de-select the driver.
 - o Multiple drivers can be selected for the report.
6. Select **All Vehicles** to print the report for all vehicles, or select **Veh ID/ Lic. No** to create the report for specific vehicles.
7. If you are creating a report for specific vehicles, click on the vehicles ID in the list.
 - o Click once to select the vehicle and click a second time to de-select the vehicle.
 - o Multiple vehicles can be selected for the report.
9. Check "Show Most Recent Dates First" to list trips from the most recent trip to the oldest. If this box isn't checked the trips will be listed from the oldest trip to the most recent.
10. To specify a start date and end date for the report, check **Trips Between** and then enter the starting and ending dates.
11. Click **OK** to create the report or click **Cancel** to exit the dialog box.

12. You can clear the report using the Clear Screen command in the File Menu or by clicking on the Clear Screen icon: .

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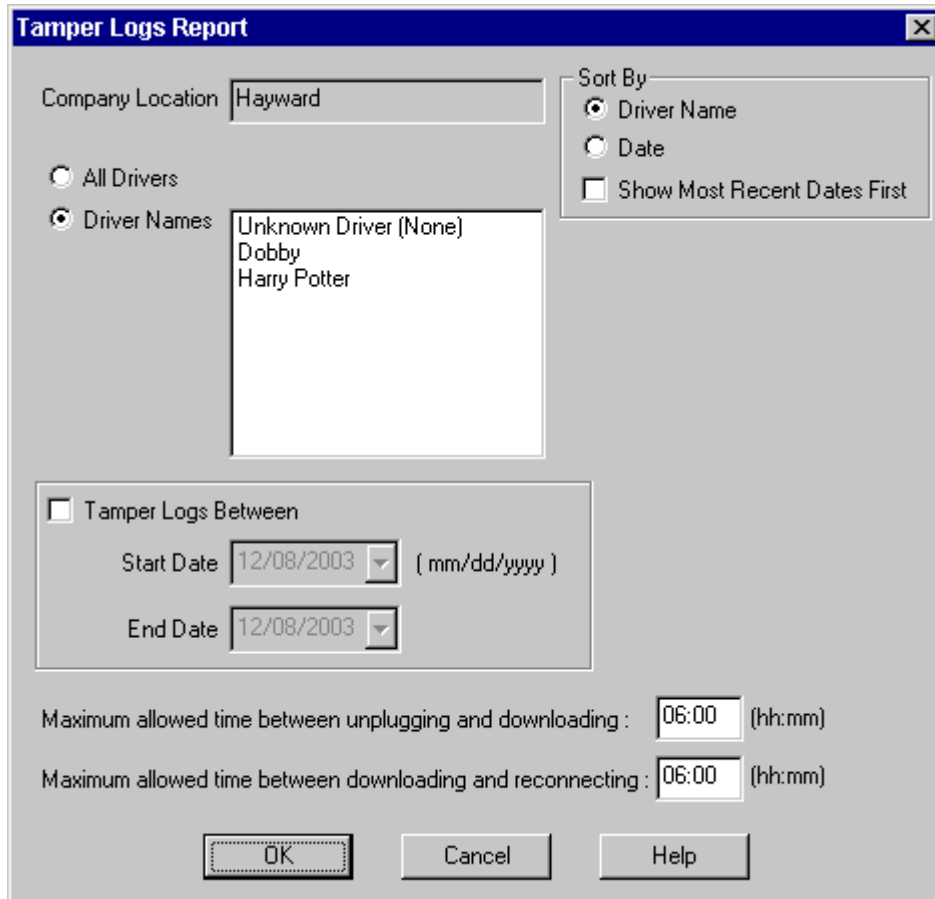
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Tamper Logs Report

The Tamper Logs Report allows you to view the tamper logs for the selected drivers. The report is displayed by the DriveRight FMS Report Viewer.

To view the Tamper Logs Report:

1. Select **Tamper Logs Report** from the **Reports** Menu. The **Tamper Logs Report** dialog box is displayed.



Tamper Logs Report

Company Location:

Sort By:
☒ Driver Name
☐ Date
☐ Show Most Recent Dates First

☐ All Drivers
☒ Driver Names


Unknown Driver (None)
 Dobby
 Harry Potter

☐ Tamper Logs Between
 Start Date: (mm/dd/yyyy)
 End Date:

Maximum allowed time between unplugging and downloading : (hh:mm)

Maximum allowed time between downloading and reconnecting : (hh:mm)

2. Verify the Company Location. Use the Current Location command in the Setup Menu to change the location if necessary.
3. Select the Sort by criteria by clicking next to either Driver Name or Date.

4. Check "Show Most Recent Dates First" to list trips from the most recent trip to the oldest. If this box isn't checked the trips will be listed from the oldest trip to the most recent.
5. Check **All Drivers** to create an Tamper Logs Report for all drivers in the database.
6. Check **Driver Names** to create an Tamper Logs Report for specific drivers in the database.
7. If you are creating the report for specific drivers, select the driver name from the list.
 - Click once to select a driver. Click a second time to de-select.
 - Multiple drivers can be selected for the report.
8. Select **Tamper Logs Between** to create a report that only lists Tamper Logs recorded between specific dates. If you select **Tamper Logs Between**, then indicate the Start Date and End Date for the report.
9. Enter the maximum allowable time between unplugging the DriveRight and downloading. The report will include all include all times the limit was exceeded.
10. Enter the maximum allowable time between downloading the DriveRight and reconnecting to the vehicle. The report will include all include all times the limit was exceeded.
11. Click **OK** to create the report or click **Cancel** to exit the dialog box.
12. You can clear the report using the Clear Screen command in the **File** Menu or by clicking on the Clear Screen icon: .


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Relationship Report

The Relationship Report displays the vehicle and default driver assigned to each of the DriveRight devices in your database.

To view the Relationship Report:

1. Select **Relationship Report** from the **Reports** Menu. The report is displayed using the DriveRight FMS Report Viewer.
2. You can clear the report using the Clear Screen command in the **File** Menu or by clicking on the Clear Screen icon: .

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Odometer Report

The Odometer Report allows you to view the odometer reading for vehicles in the database, as well as the number of days since the last download for that vehicle and the date the last odometer adjustment was made. A report option allows you to include the default driver for each vehicle listed in the report.

To view the Odometer Report:

1. Select **Odometer Report** from the **Reports** Menu. The **Odometer Report** dialog box is displayed.

Odometer Report


Company Location:

☒ All Vehicles
☐ Veh ID/ Lic. No

Sort By:

☐ Show Default Driver

2. Verify the Company Location. Use the Current Location command in the **Setup** Menu to change the location if necessary.
3. Check **All Vehicles** to create an Odometer Report for all vehicles in the database.
4. Check **Veh ID/Lic. No** to create an Odometer Report for specific vehicles in the database.
5. If you are creating the report for specific vehicles, select the vehicle's ID from the list.
 - o Click once to select the vehicle and click a second time to clear the vehicle.
 - o Multiple vehicles can be selected for the report.
6. Select the **Sort By** criteria from the drop-down list: Vehicle ID, License or Odometer.
7. Check **Show Default Driver** if you want the name of the default driver for each vehicle included in the report.
8. Click **OK** to create the report or click **Cancel** to exit the dialog box.

- If you click OK, the report is displayed using the Report Viewer.
 - You can print the report using the Print command in the **File** Menu.
9. You can clear the report using the Clear Screen command in the **File** Menu or by clicking on the Clear Screen icon: .

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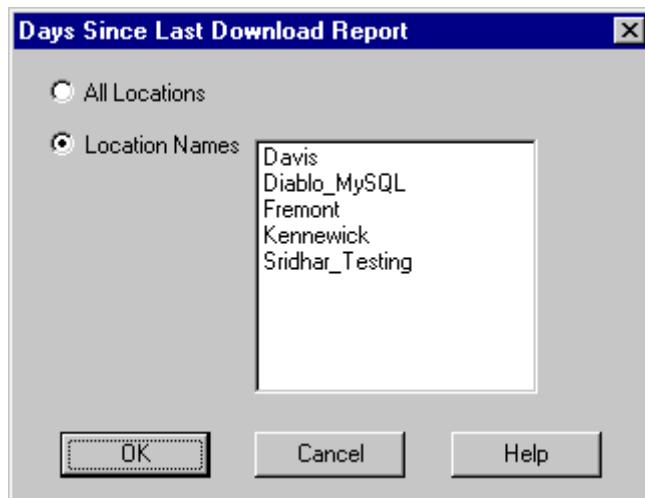
Other Reports Menu Information

Days Since Last Download

The Days Since Last Download Report allows you to quickly see the number of days that have elapsed since a DriveRight or CarChip device has been downloaded into the DriveRight FMS database. The report is sorted by the number of days since the last download. Devices with the most number of days since the last download are listed first.


To create the Days Since Last Download Report:

1. Select **Days Since Last Download** from the **Reports** Menu. The **Days Since Last Download Report** dialog box is displayed.



2. Select **All Locations** to create a report for all DriveRight and CarChip devices in all locations in your database, or select **Location Names** to create a report for specific locations, then select the locations from the list.
 - Click once to select a location and click a second time to clear the location from the report.
 - Multiple locations can be selected for this report.
3. Click **OK** to create the report or click **Cancel** to exit.

- If you click **OK**, the report is displayed using the Report Viewer.
- 4. To print the report, use the Print command in the **File** Menu.
- 5. To clear the report from the screen, use the Clear Screen command in the File Menu or

click on the Clear Screen icon: .

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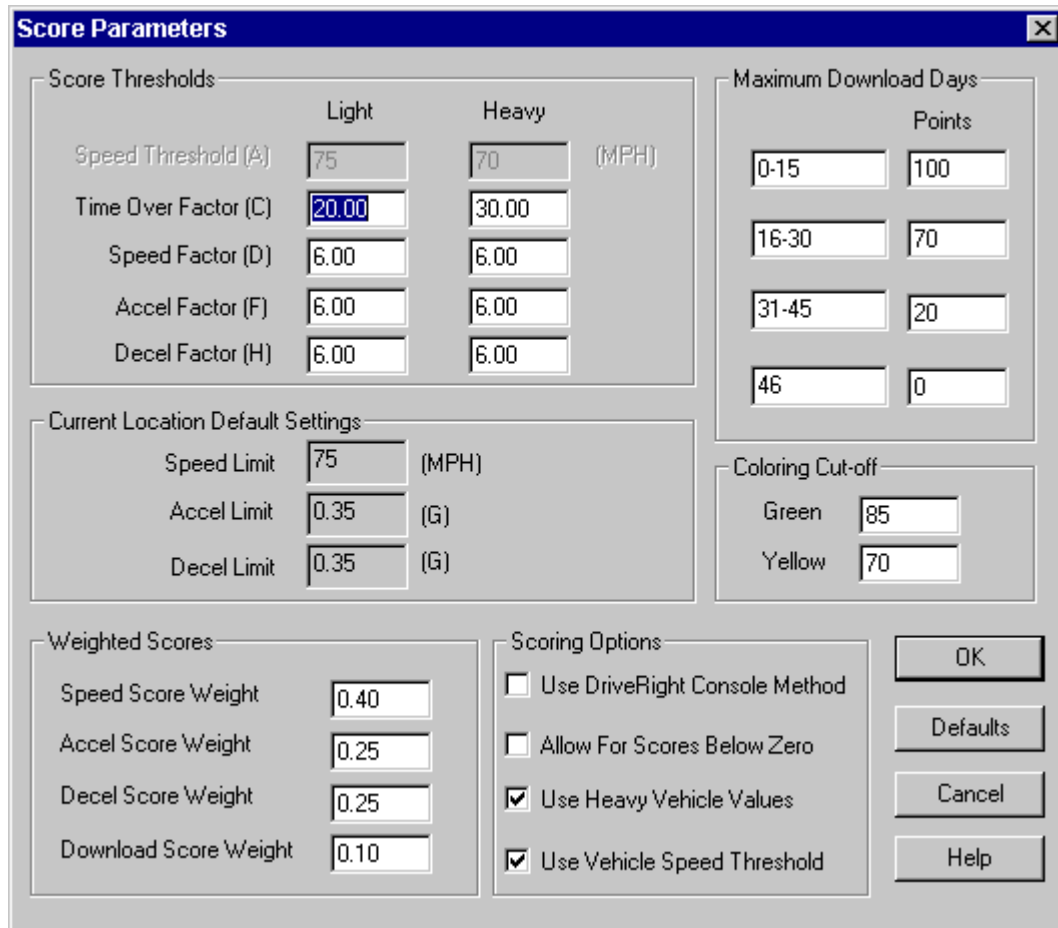
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Driver Safety Score Formula

Use this dialog box to edit the parameters used in the Driver Safety Score:

To modify the Driver Safety Score parameters:

1. Select **Driver Safety Score Report** from the **Reports** Menu. The **Driver Safety Score** dialog box is displayed.
2. Click **Formula** in the lower right corner of the **Driver Safety Score** dialog box. The **Score Parameters** dialog box is displayed.



The **Score Parameters** dialog box is used to configure the Driver Safety Score formula. It contains several sections for setting thresholds, weights, and scoring options.

| Score Thresholds | | Maximum Download Days | | |
|----------------------|-------|-----------------------|--------|-----|
| | Light | Heavy | Points | |
| Speed Threshold (A) | 75 | 70 (MPH) | 0-15 | 100 |
| Time Over Factor (C) | 20.00 | 30.00 | 16-30 | 70 |
| Speed Factor (D) | 6.00 | 6.00 | 31-45 | 20 |
| Accel Factor (F) | 6.00 | 6.00 | 46 | 0 |
| Decel Factor (H) | 6.00 | 6.00 | | |

| Current Location Default Settings | | Coloring Cut-off | |
|-----------------------------------|----------|------------------|--------|
| | | Green | Yellow |
| Speed Limit | 75 (MPH) | 85 | 70 |
| Accel Limit | 0.35 (G) | | |
| Decel Limit | 0.35 (G) | | |

| Weighted Scores | | Scoring Options | |
|-----------------------|------|---|--|
| Speed Score Weight | 0.40 | <input type="checkbox"/> Use DriveRight Console Method | <input type="button" value="OK"/> <input type="button" value="Defaults"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/> |
| Accel Score Weight | 0.25 | <input type="checkbox"/> Allow For Scores Below Zero | |
| Decel Score Weight | 0.25 | <input checked="" type="checkbox"/> Use Heavy Vehicle Values | |
| Download Score Weight | 0.10 | <input checked="" type="checkbox"/> Use Vehicle Speed Threshold | |

3. Edit the parameters as desired:

- **Maximum Download Days** - This parameter represents the maximum number of days between downloads, during the selected score date range.
- **Current Location Default Settings** - Shows the default setting values for the current location. Note that even if multiple locations are selected for the report, this section of the dialog box always shows setting for the current location.
- **Coloring cut-off** - Represents the score cut-off for Excel output.
- **Scoring Options** -

Use DriveRight Console Method: Calculates Driver Safety Score using formula used in the DriveRight console. Otherwise the default method is used.

Allow For Scores Below Zero: Check this if you need to see score values which are below zero. If this is unchecked, all scores below zero are set to zero.

Use Heavy Vehicle Values: Check this option, if your fleet has a mix of heavy and light vehicles and you need to use different 'Score Thresholds' for Heavy and Light vehicles. If you uncheck this option, the Heavy column of 'Score Thresholds' section is disabled, and the values showed in Light column are used for calculating scores.

Use Vehicle Speed Threshold: If this option is selected, instead of using the same vehicle speed limit for vehicles, the report is calculated by looking at individual vehicle speed limits.

4. Click **Defaults** at any time to restore the default parameters.

5. Click **OK** to save the changes or click **Cancel** to exit the dialog box without saving any changes.

Back to Reports Menu | Driver Safety Score

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Output to Email

When you select Output to Email, the report data is first exported to Excel which automatically creates an Outlook email message with the report data.

- If you have HTML enabled in Outlook, the report will be placed in the body of the message.
- If HTML is not enabled then Excel attaches the report to an Outlook message.
- Requires MS Outlook. The email feature will not work with other email software.

See also:

Output to Report Viewer

Output to Excel

[Back to Reports Menu](#)

[Home](#) | [Getting Started](#) | [Quick Reference](#) | [Menu Commands](#) | [Troubleshooting](#)

Output to Excel

When you select Output to Excel, the report data is formatted into a tab-delimited text file. DriveRight FMS then automatically opens MS Excel and loads the report data, which is then displayed on your computer in Excel.

Notes about displaying reports in Excel:

- The first time this option is used you may wish to disable the virus macro checking of Excel 97 or later to avoid having to answer these dialogs each time.
- In Excel you will find two worksheets, one with the scores, and the second containing the formula used.
- The report formats the date with two-digit years. Because Excel displays dates using the format chosen in your Windows settings, you may need to modify the Windows date setting. To do this, click the Start button, then Control Panel, then Regional Settings, then Date, and specify the Short date style: M/d/yy..

See also:

[Output to Report Viewer](#)

[Output to Email](#)


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Output to Report Viewer

The DriveRight FMS Report Viewer is used to display reports in the main program window.

- Reports displayed using the Report Viewer can be printed by clicking **Print** in the **File** Menu.
- You can clear the report selecting Clear Screen in the **File** Menu or by clicking the Clear

Screen icon: .

See also:

[Output to Excel](#)

[Output to Email](#)

[Back to Reports Menu](#)

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Usage Report Formula

The Usage Report Formula allows you to define night driving based on the time of day. You can define weekend driving based on day of the week and the time of day.

To change the Usage Report formula:

1. Select **Usage Report** from the **Report Menu**.
2. Click **Formula** from the **Usage Report** dialog box. The **Usage Report Formula** dialog box displays.

The screenshot shows the 'Formula Dialog' box. It has a title bar with 'Formula Dialog' and a close button. The dialog is divided into two main sections: 'Night' and 'Weekend'. The 'Night' section contains two time pickers: 'After' and 'Before'. The 'After' picker is set to 8:00:00 PM, and the 'Before' picker is set to 6:58:00 AM. The 'Weekend' section contains two day and time pickers: 'From' and 'To'. The 'From' picker is set to Friday 6:00:00 PM, and the 'To' picker is set to Monday 8:00:00 AM. At the bottom of the dialog are two buttons: 'OK' and 'Cancel'.

3. You can change the times used to define when Night begins and end in the formula by entering the new time directly in the **After** and **Before** edit boxes or by selecting the hour, minute, second or AM / PM positions and using the up and down scroll arrows to change the setting.
4. Change the days of the week used to define weekend driving by selecting the day of the week and time you want the weekend to start in the **From** box and the day of the week and time you want the weekend to end in the **To** box.
5. Click **OK** to save the formula or click **Cancel** to exit the dialog box without saving the formula.

Note: The days and times selected here will effect the days and times Automatic Wireless Download occurs if the **Include Weekend** box is unchecked in the Setup Automatic Wireless Download dialog box.

See also:

[Usage Report](#)

[Back to Reports Menu](#) | [Usage Report](#)

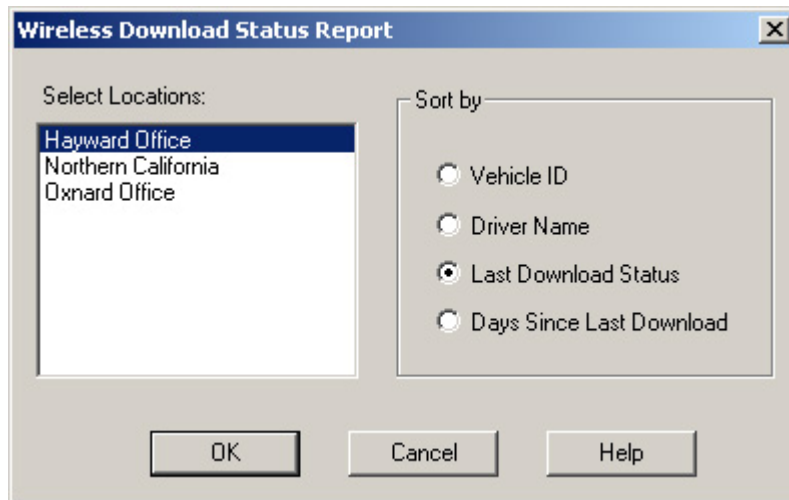
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Wireless Download Status Report

The Wireless Download Status Report allows you to view the wireless download status for all the vehicles wirelessly linked to FMS. The report is displayed in the DriveRight FMS Report Viewer.

To view the Wireless Download Status Report:

1. Select **Wireless Download Status** from the **Reports** Menu. The **Wireless Download Status Report** dialog box is displayed.



2. Select the company locations in the **Select Locations** box.
3. Select an option in the **Sort By** box by clicking the radio button next to the option. The sort options are Vehicle ID, Driver Name, Last Download Status, and Days Since Last Download.
4. Click **OK** to create the report or click **Cancel** to exit the dialog box.
5. You can clear the report by selecting Clear Screen in the **File** Menu or by clicking the



Clear Screen icon:

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Mapping Menu

Mapping Menu

Note: DriveRight FMS Mapping requires Microsoft MapPoint.

The following commands are available in the Mapping Menu:

Open Map

Save Map

E-Mail Map

MapPoint Version

Set Speed Range

See also:

Mapping Quick Reference Menu

DriveRight FMS Mapping Requirements

Back to Menu Commands

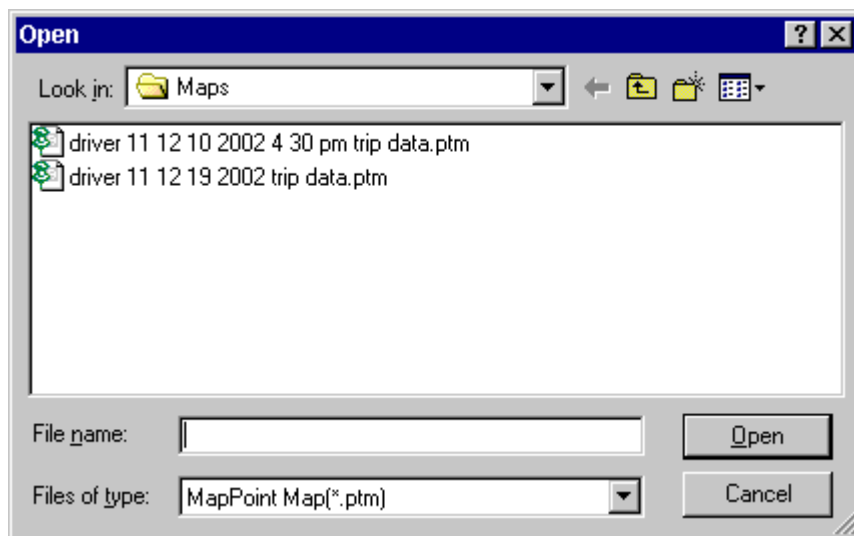
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Open Map


Use the Open Map command to view a previously saved DriveRight GPS map.

To open a map:

1. Select **Open Map** in the **Mapping** menu. The **Open** dialog box is displayed.



2. Click the map file you wish to view and then click **Open**, or just double-click the file to open it. The map is opened in the FMS window.

3. Click the Clear Screen Icon  to remove the map from the FMS window, or use the File Menu Clear Screen command.

See Also:

Viewing Maps

Back to Mapping Menu

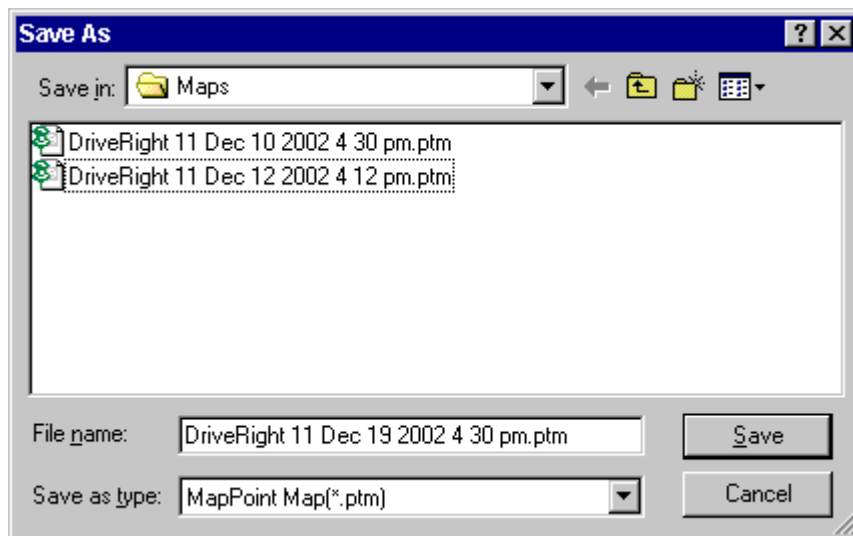
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Save Map

Use the Save Map command to save a DriveRight GPS map.

To save a map:

1. Select **Save Map** in the **Mapping** menu. The **Save As** dialog box is displayed.



2. Enter the file name for the map file then click **Save** to save the map or click **Cancel** to exit the dialog box without saving the map.

Note: The Maps directory is located in the DriveRight FMS program folder.

See Also:

Viewing a Map

[Back to Mapping Menu](#)

[Home](#) | [Getting Started](#) | [Quick Reference](#) | [Menu Commands](#) | [Troubleshooting](#)

E-Mail Map

Use the E-Mail Map command to e-mail a DriveRight GPS map.

Note: DriveRight FMS can only e-mail the map currently displayed in the program window. Requires MS Outlook.

To e-mail a map:

1. Select **E-Mail Map** in the **Mapping** menu. DriveRight FMS opens a new mail message window in MS Outlook with the map included as an attachment.
2. Address the message and edit the subject and content as you desire.
3. Click **Send** to send the message or close the message window to cancel the e-mail .

See also:

[Viewing Maps](#)

[Back to Mapping Menu](#)

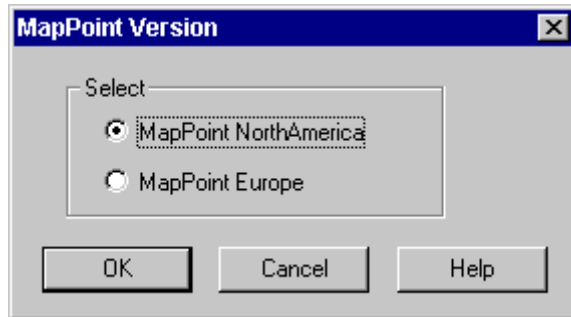
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MapPoint Version

Use the MapPoint Version command to select either MapPoint North American or MapPoint Europe.

To select your MapPoint version:

1. Select **MapPoint Version** from the **Mapping** menu. The **MapPoint** dialog box is displayed.



2. Click MapPoint version you are using to select it.
3. Click **OK** to change the MapPoint version or click **Cancel** to exit the dialog box without changing the MapPoint version.

Back to Mapping Menu

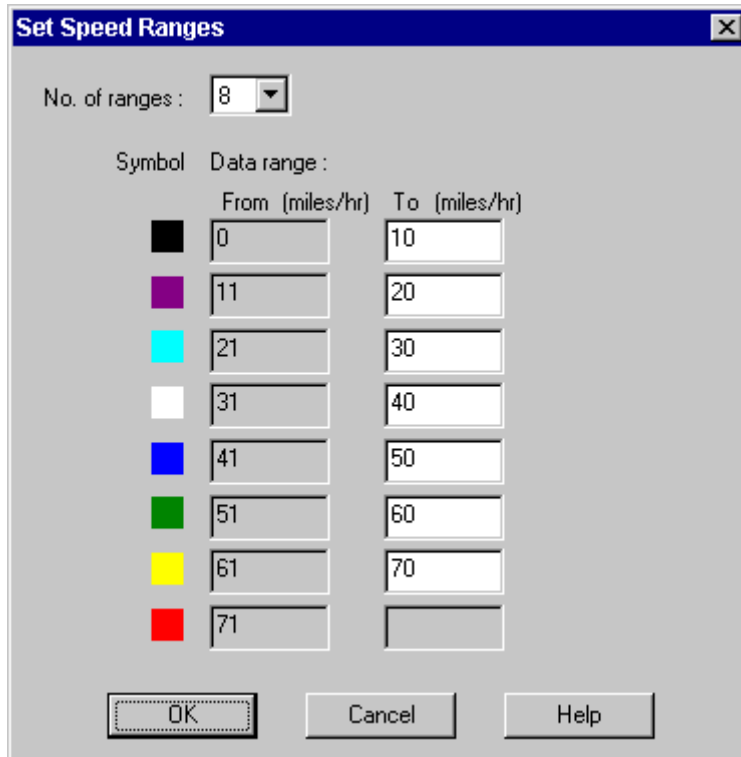
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Set Speed Ranges

You set up to 8 speed ranges to identify vehicle speed in DriveRight FMS mapping reports.

To set the speed ranges:

1. Click **Set Speed Ranges** in the **Mapping** menu. The **Set Speed Ranges** dialog box is displayed.



The 'Set Speed Ranges' dialog box has a title bar with a close button. It contains a 'No. of ranges' dropdown menu set to '8'. Below this is a table with columns for 'Symbol' (represented by colored squares), 'Data range' (with sub-columns 'From (miles/hr)' and 'To (miles/hr)'), and 'OK', 'Cancel', and 'Help' buttons at the bottom.

| Symbol | From (miles/hr) | To (miles/hr) |
|--------|-----------------|---------------|
| Black | 0 | 10 |
| Purple | 11 | 20 |
| Cyan | 21 | 30 |
| White | 31 | 40 |
| Blue | 41 | 50 |
| Green | 51 | 60 |
| Yellow | 61 | 70 |
| Red | 71 | |

2. Select the number of speed ranges to be used in mapping reports. Each range will be represented by a push-pin of the indicated color when a map is created.
3. Edit the "To" column to adjust the speeds indicated for each range.
4. Click **OK** to save the changes or click **Cancel** to exit without saving the changes.

See also:

Mapping Overview

[Back to Mapping Menu](#)

[Home](#) | [Getting Started](#) | [Quick Reference](#) | [Menu Commands](#) | [Troubleshooting](#)

Help Menu

The following commands are available in the Help Menu:

- **Help Topics**
Opens the Help Topics window showing the Contents, Index, and Search options.
- **About DriveRight FMS**
Displays the program version information, the database type, and the copyright information.

[Back to Menu Commands](#)

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Troubleshooting

Troubleshooting Menu

If you encounter problems installing or using DriveRight FMS, please contact Davis Instruments Technical Support.

Note: If you encounter any type of problems, the errors are logged in the log file eventLog.txt, present in DriveRight FMS install directory.

The following DriveRight FMS troubleshooting help is available:

[Device Communication Problems](#)

[Database Connection Problems](#)

[Wireless Device Communication Problems](#)

[SmartCard Desktop Reader Device Communication Problems](#)

[Miscellaneous Problems](#)

[Contacting Davis Instruments](#)

[Back to Home](#)

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Device Communication Problems

Take the following steps if the software does not communicate with a DriveRight or CarChip device:

1. DriveRight devices only - Check to make sure the DriveRight console is in the CURRENT mode instead of in sleep mode. If the LCD screen is blank, the console is in sleep mode. Press the MODE key to put the console in active mode..
2. Check that the correct Serial Port is selected.
3. If you have other programs running which use the serial port, such as the Palm HotSync Manager and the CarChip software, close those programs and try again.
4. Check if the hardware is ok and that you have a working communication port. If necessary, contact your PC supplier.

See also:

[Communications Port - DriveRight](#)

[Back to Troubleshooting Menu](#)

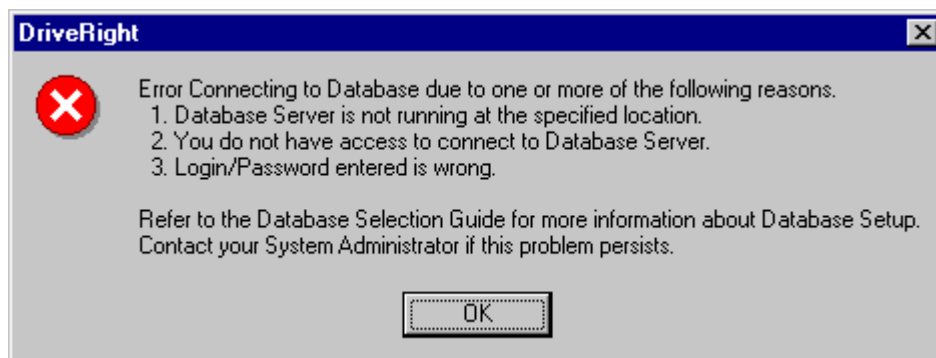
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Database Connection Problems

Since DriveRight FMS supports multiple database systems, things could go wrong during database connection due to various reasons.

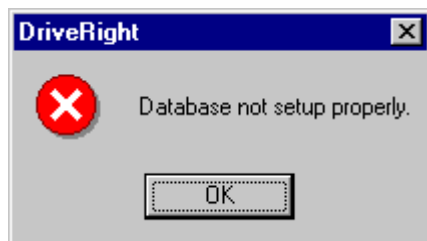
Database Setup Error

Refer to the instructions in the message box if you get the following error message:



Database Not Setup Properly

Refer to the instructions below if you get the following error message:



- If you are using MS Access: The database does not exist at the specified location.
- If you are using any other database: Either the database server is not running, or you do not have enough permissions to connect. Please refer to database configuration in the DriveRight FMS Database Selection Guide.

[Back to Troubleshooting Menu](#)

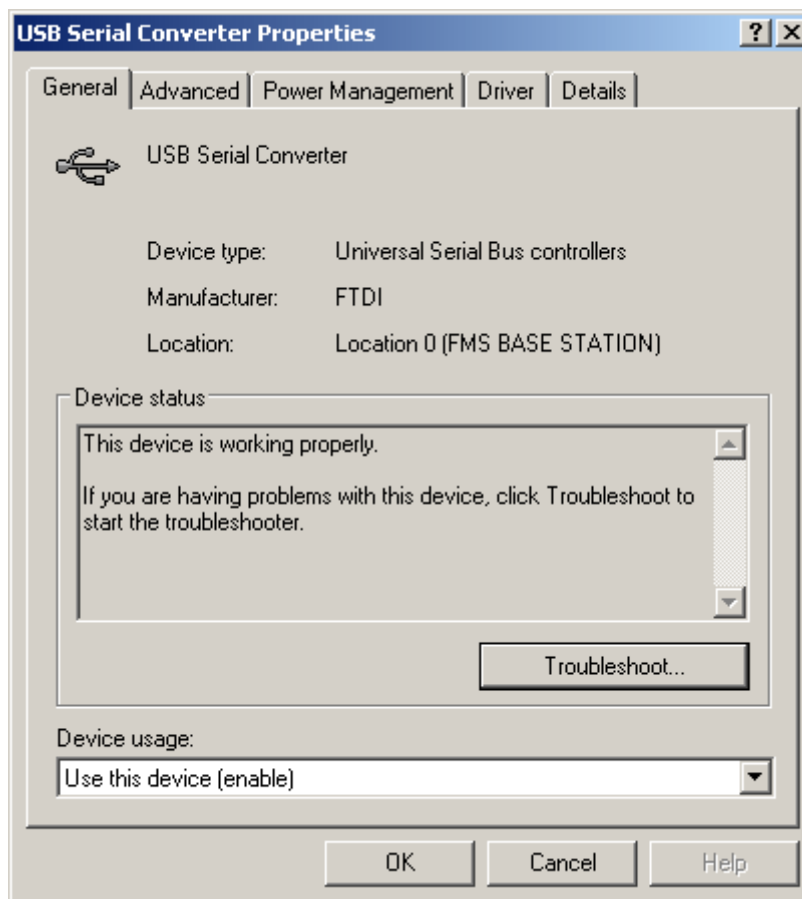
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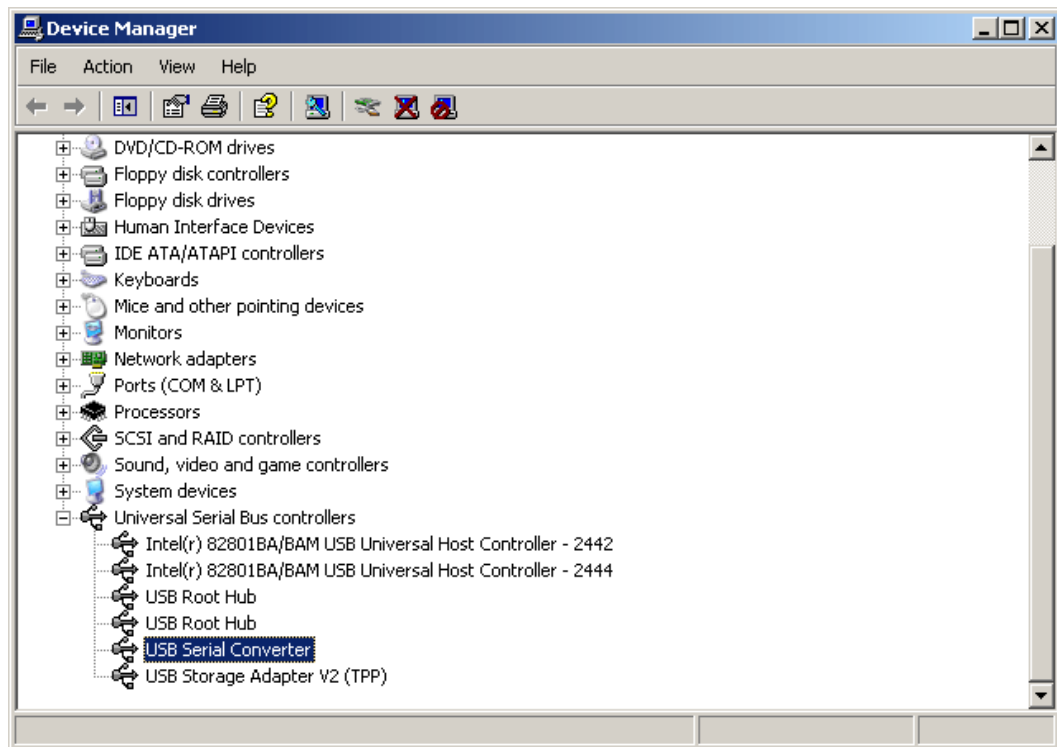
Wireless Device Communication Problems

Make sure the Base Station is connected to the USB port of the computer and the bottom LED is green. Otherwise, contact Davis Instruments technical support.

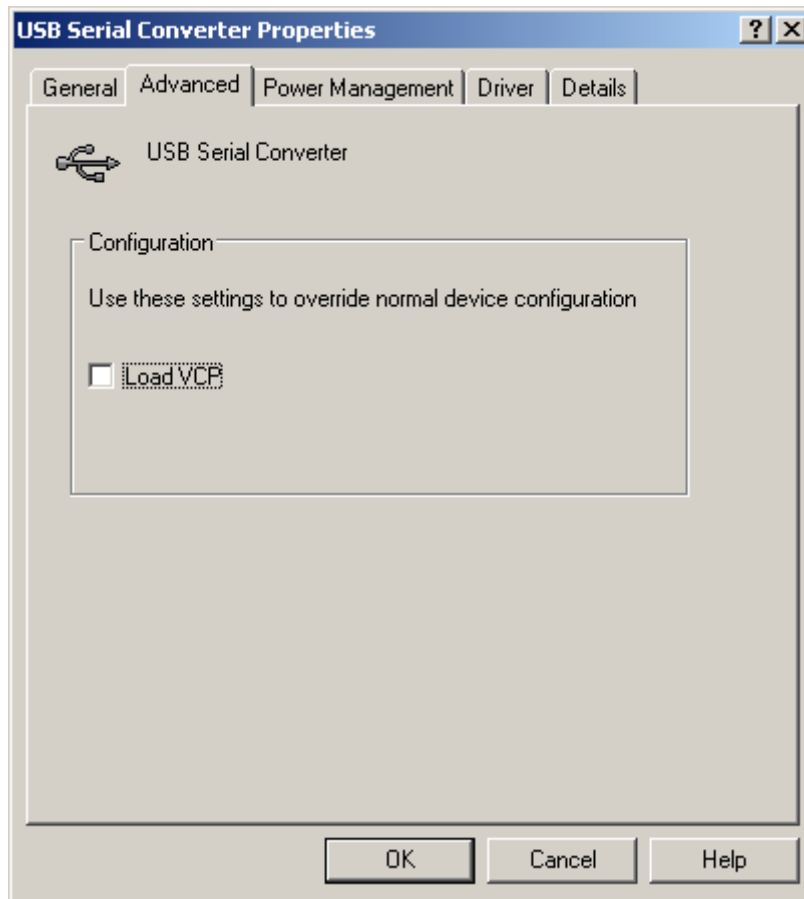
Driver Installed successfully but is not communicating with the Wireless Device

1. Ensure that the Wireless Device driver is correctly installed from the CD. Go to the *Device Manager* on your computer and view the Universal Serial Bus Controllers list. Left click on the controller labelled **USB Serial Converter** and select **Properties** from the menu. If this controller is not listed, see the FMS Getting Started Guide for instructions on installing the Wireless Device Drivers. There may be multiple "USB Serial Converter" drivers listed depending on the number of wireless devices connected to the computer. The *Device Properties* dialog box displays. The Device Type displayed should be "Universal Serial Bus controllers" and the Manufacturer displayed should be "FTDI".



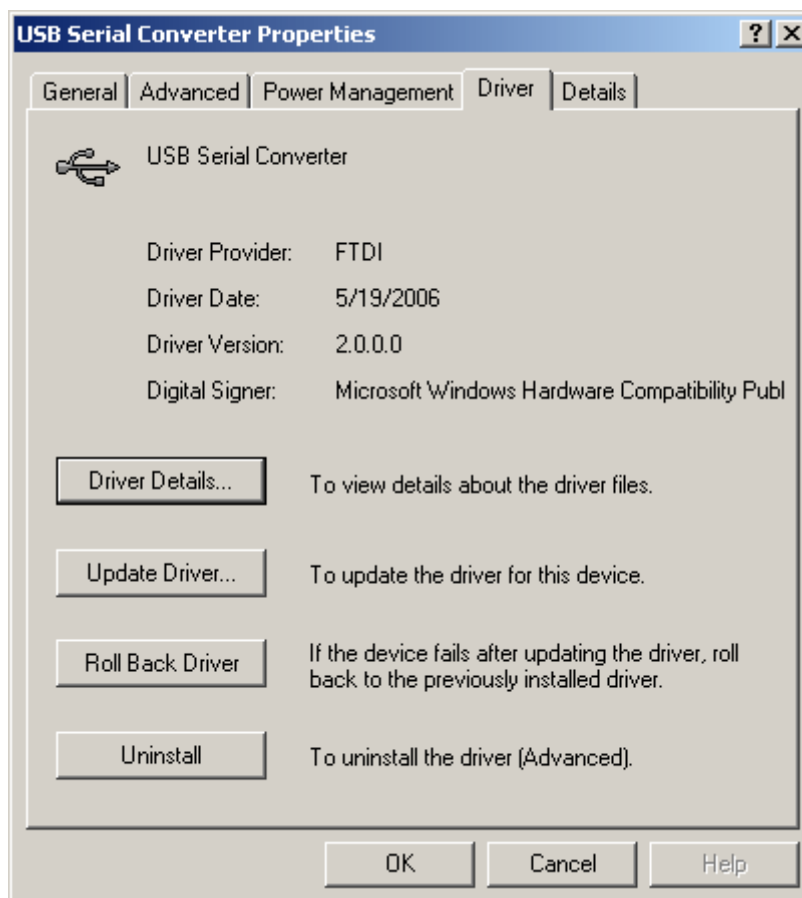


2. Select the **Advanced** Tab. In the **Configuration** box, make sure the **Load VCP** check box is unchecked.

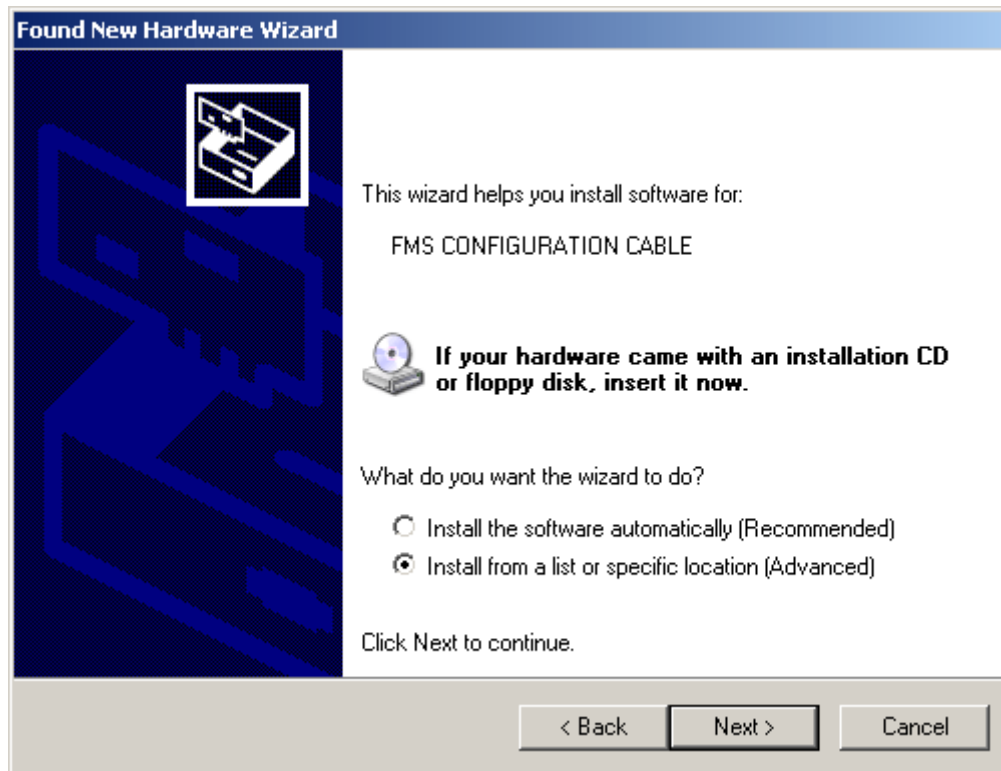


3. Select the **Driver** Tab. If the Driver Date is anything other than 5/19/2006, reinstall the Wireless Device Driver by clicking **Update Device Driver**. A [Found New Hardware](#) dialog box should display through your operating system.

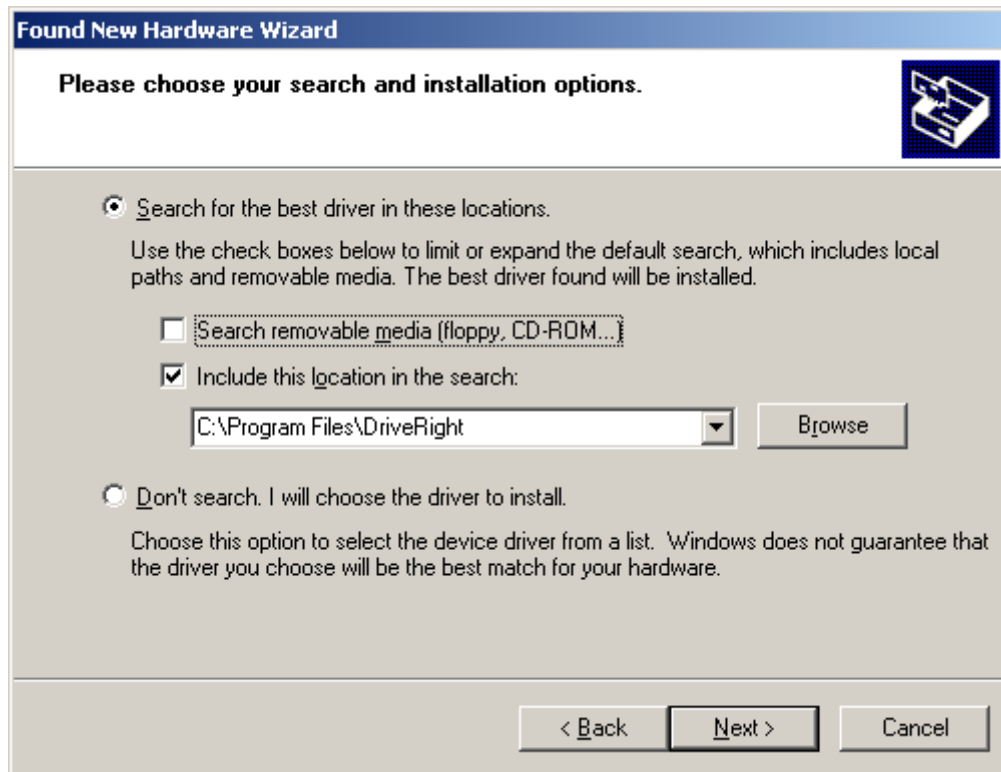
If the dialog box does not display, check the connection between the hardware and your computer, or see your operating system's documentation for more information. If the dialog box still does not display, contact Davis Technical Support for help with this problem.



4. Click the **No, not at this time** field and click **Next**. It is important that you do not allow your operating system to automatically check the web for drivers because it could install versions of drivers that may have compatibility issues with the accessory or FMS. The *second* dialog box displays.

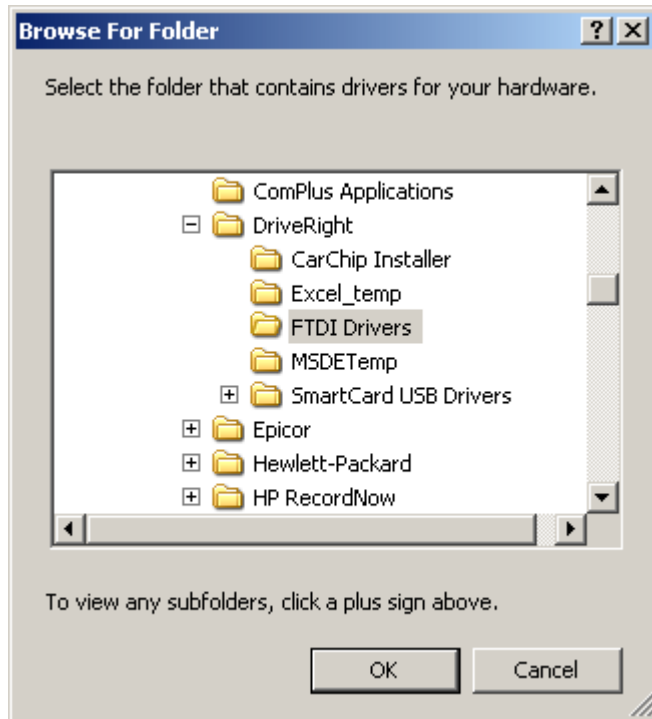


5. Click **Install from a list or specific location** and click **Next**. The *Please Choose Your Search and Installation Options* dialog box displays.



6. Click **Search** for the best driver in these locations and select the check box **Include this location in the search**.
7. Click **Browse**.
8. Navigate to the *DriveRight* directory. A list of subfolders displays.

When DriveRight FMS is installed, the drivers for the wireless devices are stored under the DriveRight directory so that they can be installed at any time wireless devices are introduced into FMS. The wireless device drivers are located in the "FTDI Drivers" subfolder.



9. Select the "FTDI Drivers" folder and click **OK**.
10. Install the driver only once, even if installing both the Base Station and the Configuration Cable. The driver works seamlessly with both.
11. Once the installation is complete, click **Finish**.
12. Test the communication between FMS and the Base Station by Starting a Wireless Scan or Manually Downloading Wireless On-Board Modules. The bottom LED on the Base Station should flash orange if it is communicating successfully with the computer. If FMS is still having trouble communicating with the Base Station, contact Davis Instruments Technical support.

Base Station Drivers added successfully, still not finding vehicles

The Base Station can only communicate with the Wireless On-Board Module(s) that belong to the same location it was assigned. Check the assigned location for the Base Station and Wireless On-Board Modules in the Wireless Devices database table. If they do not share the same location, delete the device(s) and re-add them, assigning them all to the correct location.

Guidelines for setting up Wireless Devices

Use the following guidelines to ensure good communication between the Base Station and the Wireless On-Board Modules in the field.

- The path between them should be line-of-sight, and not through walls or trees, or around corners.
- The distance between the Wireless On-Board Module and the base station should be 600ft (200m) or less.

- With the wire tail up, the Wireless On-Board Module should be mounted high on the vehicle windshield and oriented as shown in the *GPS/Wireless Interface System Installation Manual*.
- The Base Station should be mounted in a high location with its antenna pointing straight up.
- The Base Station should be mounted away from any other radio transmitters or microwave ovens.

Guidelines for Advanced Extending Communication Range

- Install more than one Base Station to cover a wider area.
- Due to the limited USB cable length, use a 3rd party device to extend distance between the Base Station and the computer. Refer to the *Base Station Installation Manual* for more information.
- Using non-metallic and weather-proof housing in which to store the Base Station(s) outside.
- Place the Base Station antenna outside where it is visible to the vehicles and use a short antenna connection cable.

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SmartCard Desktop Reader Device Communication Problems

Installing Drivers for the SmartCard Desktop Reader

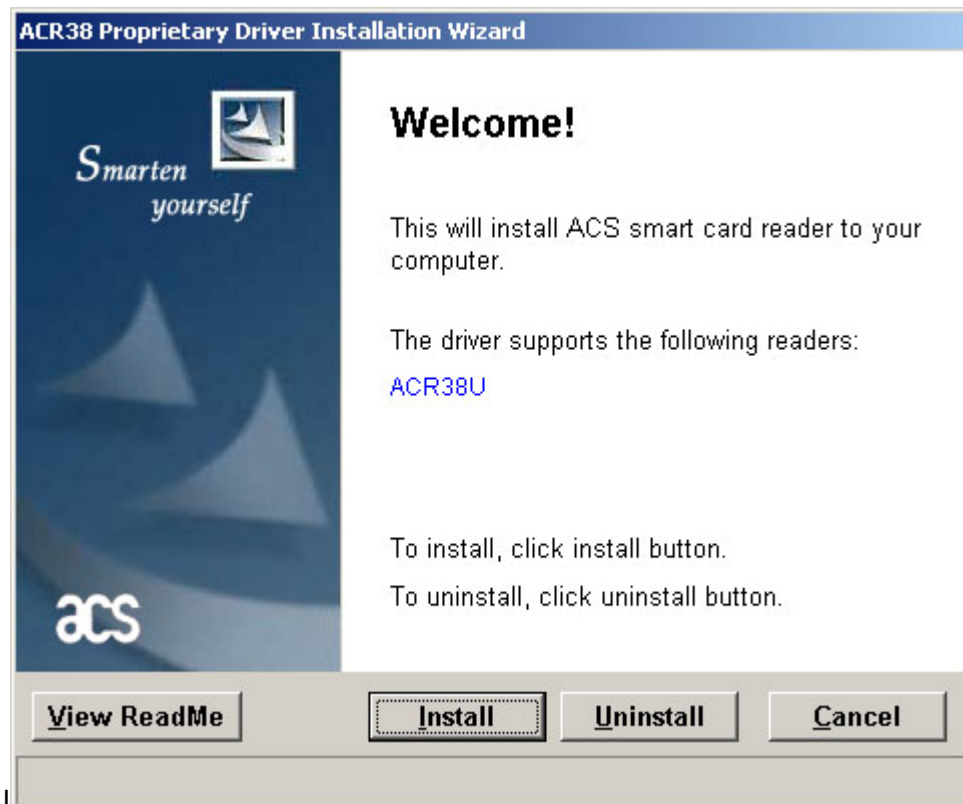
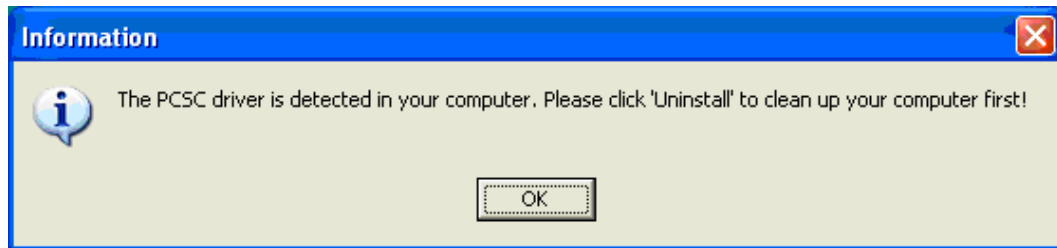
The DriveRight SmartCard Desktop Reader (# 8108) works with the DriveRight SmartCard System to upload data from a DriveRight 600 or 600E to a computer running DriveRight FMS version 3.3 or later. The SmartCard Desktop Reader connects to a computer via a USB port.

USB drivers must be installed for the SmartCard Desktop Reader to properly communicate with DriveRight FMS. This can be done during DriveRight FMS installation or at any time a SmartCard Desktop Reader is present for set up. A SmartCard Desktop Reader must be available, so it can be configured during driver installation.

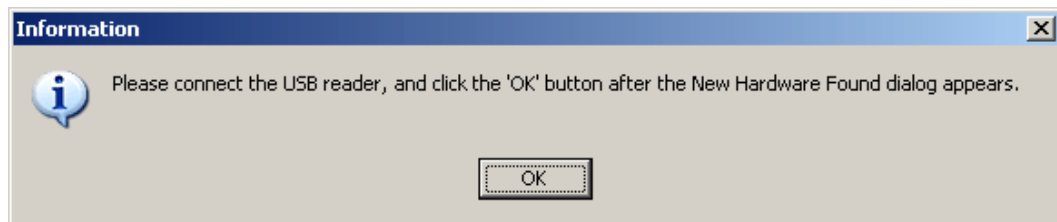
Note: The following installation was completed in a Windows XP operating system. The process may vary depending on your operating system.

1. Navigate to the DriveRight directory via MicroSoft Windows Explorer or some other means. A list of subfolders displays.
2. Select SmartCard USB Drivers. Double-click ACS Setup.exe The *Installation Wizard* starts.

If the PC/SC driver was previously installed, the *Information* dialog box displays. It should be removed before installing the ACS Proprietary Driver.



3. Unplug the SmartCard Desktop Reader before installing the driver.
4. Click **Install**. The *Information* dialog box displays, alerting you that the driver is being installed.



5. Plug in the accessory to an available USB Port and click **OK**. A *Found New Hardware* dialog box should display through your operating system.

If the dialog box does not display, check the connection between the hardware and your computer, or see your operating system's documentation for more information. If the dialog box still does not display, contact Davis Technical Support for help with this problem.



6. Click the **No, not at this time** field and click **Next**. It is important that you do not allow your operating system to automatically check the web for drivers because it could install versions of drivers that may have compatibility issues with the accessory or FMS. The *second dialog box* displays.

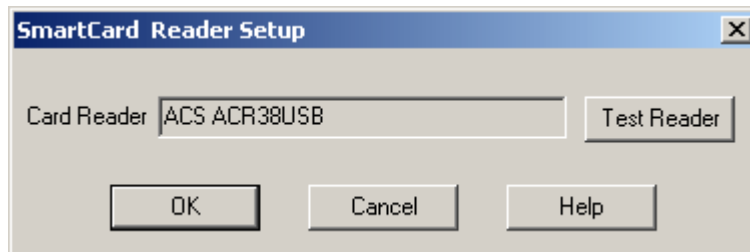


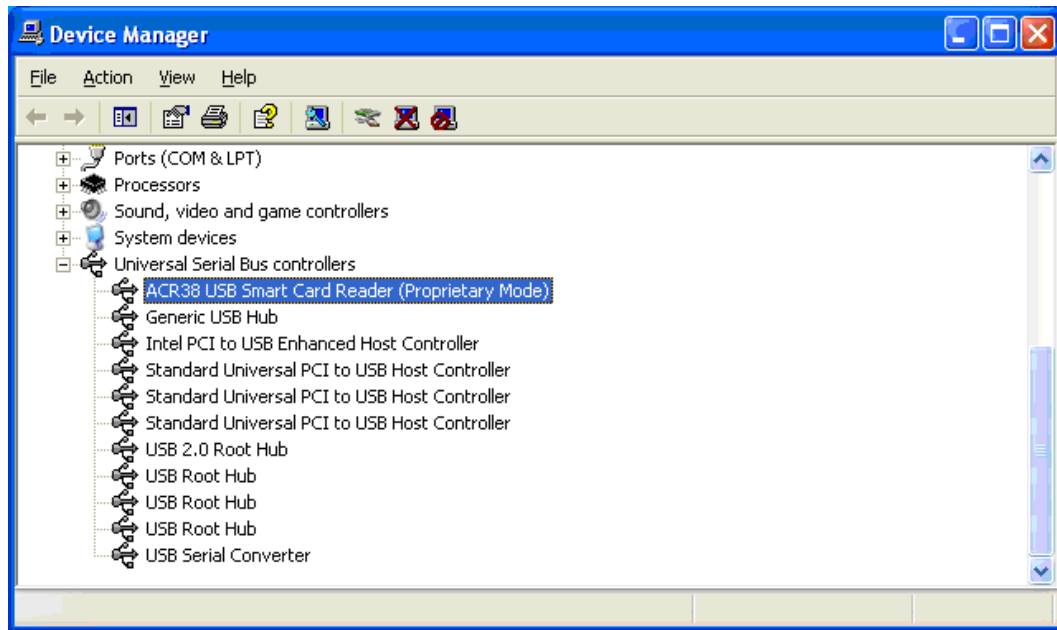
7. Click **Install the Software Automatically** and click **Next**. The *Hardware Installation* dialog box displays.



8. Click **Continue Anyway**. The new drivers install automatically.
9. Click **Finish** once the installation is complete.

Once the installation is complete, **ACR38 USB Smart Card Reader (Proprietary Mode)** should display in the *Device Manager* under the **Universal Serial Bus Controllers** list. FMS can now properly recognize the SmartCard Desktop Reader and the correct driver displays in the *SmartCard Reader Setup* dialog box.





Removing PC/SC Drivers for SmartCard Desktop Reader

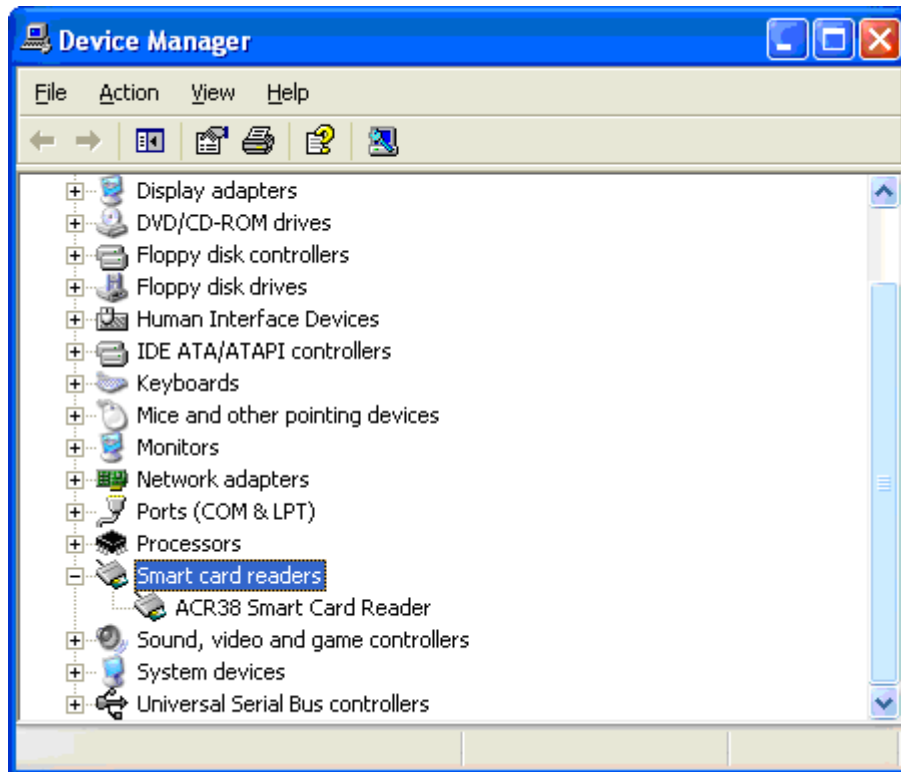
There are two sets of ACS SmartCard Desktop Reader drivers available for use with the SmartCard Desktop Reader: The PC/SC Driver and the ACS Proprietary Driver. FMS uses the Proprietary Driver to communicate with the SmartCard Desktop Reader. Since the PC/SC Driver and the Proprietary Driver are not compatible, the PC/SC driver must be uninstalled.

The PC/SC Driver may install automatically by your computer if the SmartCard Desktop Reader was installed before DriveRight FMS has been installed. To avoid this, do not plug in the SmartCard Desktop Reader before DriveRight FMS has been installed.

Note: The following instructions are based on procedures needed in a Windows XP operating system. The process may vary depending on your operating system.

To verify if the PC/SC SmartCard Driver was installed:

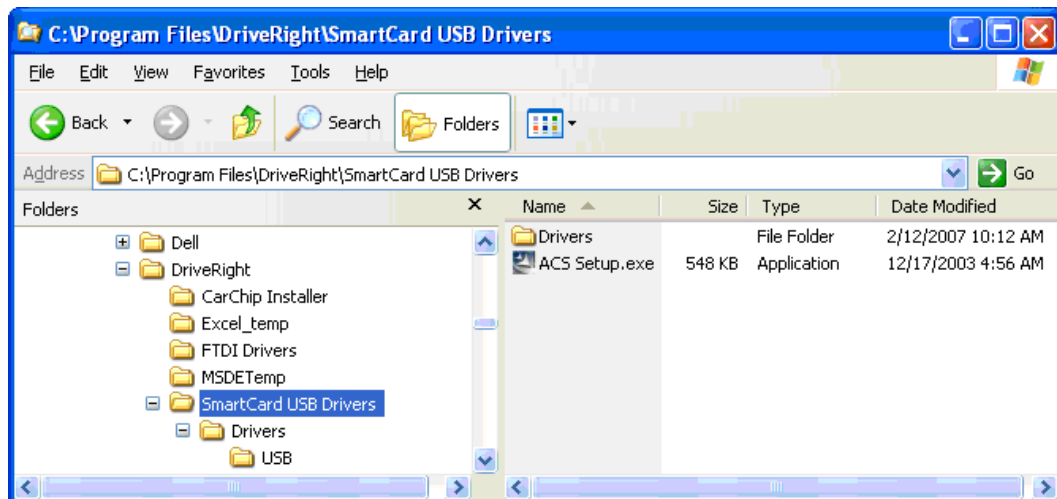
1. In Windows XP, open the **Control Panel**.
2. Double-click **System**. The **System Properties** dialog box displays.
3. Click the **Hardware** tab and then click **Device Manager**. The *Device Manager* dialog box displays. If the PC/SC driver has been installed, the ACR38 SmartCard Reader driver is displayed under **Smart card readers**. This driver will not appear anywhere in DriveRight FMS if it is installed.



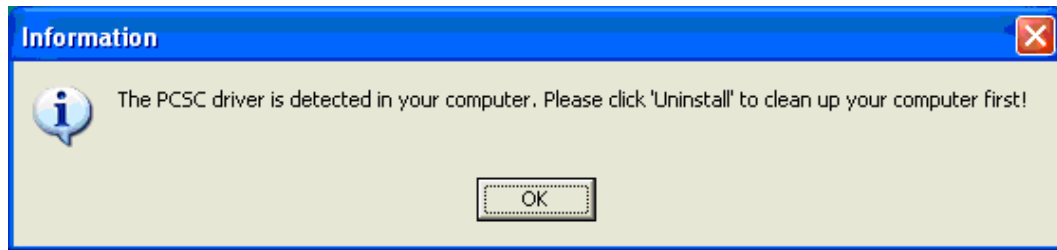
To uninstall the PC/SC driver:

The SmartCard Desktop Reader must be plugged in before the driver can be removed.

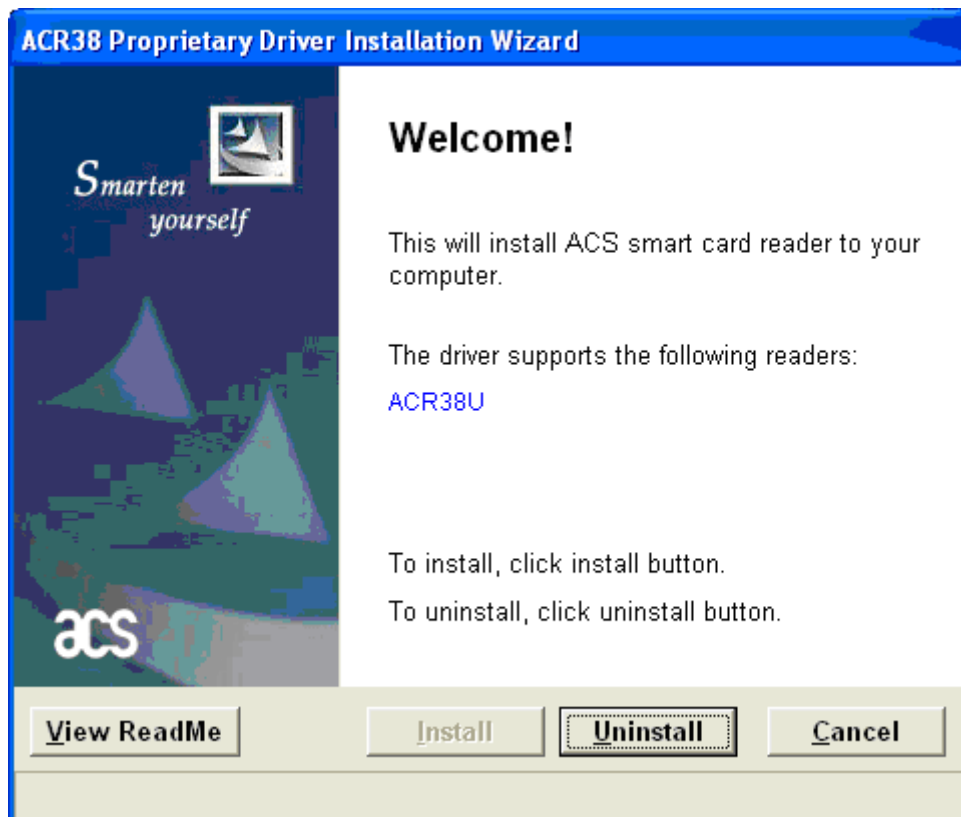
1. In Windows Explorer or similar browser window, navigate to the DriveRight directory or the DriveRight FMS installation CD and the folder *SmartCard USB Drivers*.



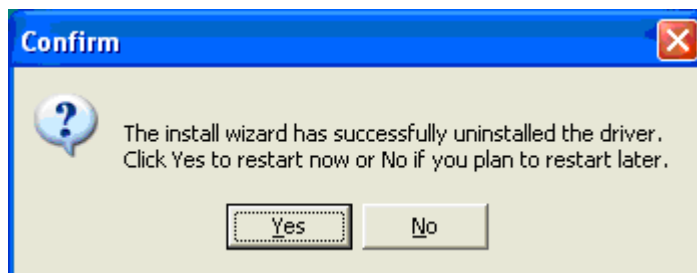
2. Double-click **ACS Setup.exe** to run the ACS Driver setup program. The *Information* dialog box displays if the driver was previously installed.



3. Click **OK**. The *ACR38 Proprietary Driver Installation Wizard* dialog box displays.

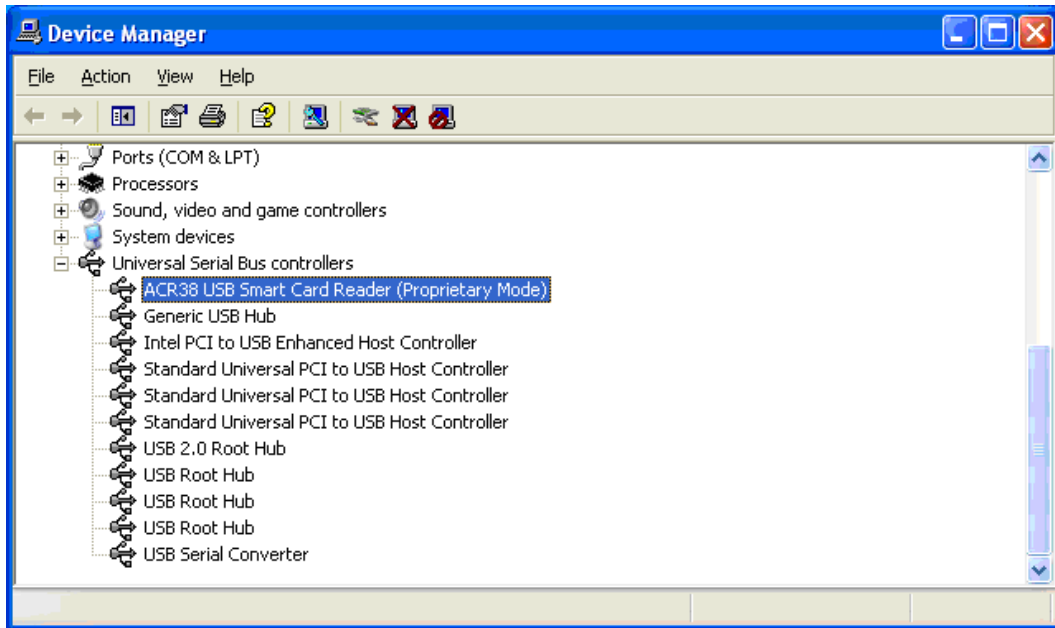
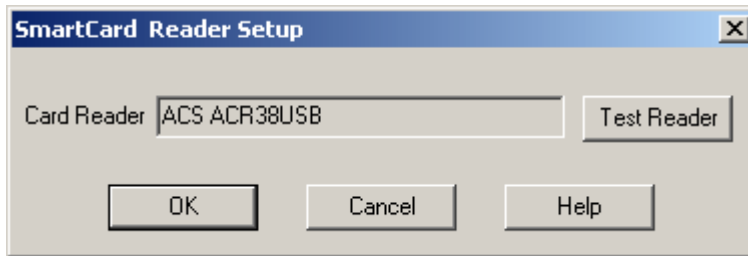


4. Click **Uninstall** to remove the driver. When the program finishes removing the driver, the *Confirm* dialog box displays.



5. Unplug the SmartCard driver from the computer and click **Yes**.
6. After your computer restarts, follow the steps for installing the SmartCard Proprietary Driver. Once the installation is complete, **ACR38 USB Smart Card Reader (Proprietary Mode)** should display in the *Device Manager* under the **Universal Serial Bus**

Controllers list. FMS can now properly recognize the SmartCard Desktop Reader and the correct driver displays in the *SmartCard Reader Setup* dialog box.



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Miscellaneous Problems

If you selected the wrong database type during the initial program configuration, you can manually reset the database type in the *config.txt* file and then start over all again.

1. If DriveRight FMS is open, close it.
2. First locate the configuration file *config.txt* present in DriveRight FMS install directory.
3. Open the file (it should come up in MS Notepad), and you'll see the following text near the beginning of the file:

```
#####
```

```
# this variable represents the database type
```

```
# used to store the data
# 0- represents Database connection is not yet configured
# 1- represents MS Access
# 2- represents MySQL
# 3- represents Oracle
# 4- represents MSDE/MS SQL
#####
DATABASE_TYPE=2
```

4. Edit the last line, and replace the number by *0 (zero, not capital O)*. After you edit the variable, the text in the file looks like this:

```
DATABASE_TYPE=0
```

5. Save the file and close MS Notepad.
6. Run DriveRight FMS again and you will prompted to select the database type. If you need assistance, refer to the database installation instructions in the *DriveRight FMS Database Selection Guide*.

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