

Driving Log

Version 2.1.2

User Manual

Revision 1.0

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Introduction

Driving Log is a personal productivity application for your Pocket PC that is used to track the distances you drive. It keeps a log of trips traveled, and allows you to calculate the distance for each trip using GPS, your odometer, or by manually entering it. You can then calculate the total distance traveled over a length of time, and synchronize your data to www.drivinglog.com, where you can view and edit your driving data, and get customized reports.

Driving Log is designed to make your GPS trip recording as easy as possible, automatically detecting your locations, and auto-creating new locations as needed. It allows you to perform the basic trip recording with ease, and come back later and edit your trips on the website.

For non-GPS users, it also allows you to track your trips with your odometer, and keep track of your common locations and the distances between locations, so you don't have to repeatedly enter distances. Driving Log is designed to make it as easy as possible to track your commonly traveled trips

Note: Driving Log is a network-aware application. While it is communicating with the server, other services such as phone calls and SMS messages will be blocked.

Minimum Requirement

The minimum requirement for running Driving Log on a Pocket PC handheld is that the device is running Windows Pocket PC 2003 or Windows Mobile 5.0 operating system software.

Note: To use the GPS features of the application, you need a GPS receiver in addition to your device.

Note: To use the Synchronize feature of the application, you need to be able to access the web directly from your device.

Main Options

The following options are available from the Welcome Screen:

New Trip

- Tap on the car icon or tap “**New Trip**”. Start a new trip to begin a GPS session or to enter the initial odometer reading.

Trips

- From any screen tap the car icon to view and edit previously entered trips.

Locations

- Tap the map icon to view the locations menu. In Locations Menu you can view and edit location details, including the known distances between locations.

Categories

- Tap the folder icon to view the categories list. Generate your own categories or use the default list. Categories are used to group your trips for accurate reporting purposes.

Gas Mileage

- Tap the gas pump icon to view the gas mileage list. Record gas fill-ups and view gas mileage information.

Report

- Tap **Menu**, and then tap **Reports** to get a summary of information for trips traveled during a certain date range. This includes total distance, average speed (if available), and average gas mileage (if available). The **Reports** feature utilizes the data on the device for trip and gas mileage. The **Reports** feature does not use data that has been synchronized to the drivinglog.com website and is no longer on the device.

Synchronize

- Tap **Menu**, and then tap **Synchronize** to synchronize your driving data with the drivinglog.com website.

Settings

- Tap **Menu**, then tap **Settings** to view and change global application settings. Choose how you want to track your trips, using GPS or Odometer. Decide what type of synchronizing you prefer Export Only or Full Synchronization.

Application Controls

Pocket PC Handhelds

Use the stylus to tap on icons or items within a list. Navigate through lists using the up/down arrows or simply tap items or onscreen arrows.

Enter information using the onscreen keyboard. To access the keyboard and edit content, simply tap on a list item, or tap within a text entry field. The keyboard will appear automatically. Each tap of the keys enters that character into the text field.

Application Settings

The following settings can be found on the Setting screen.

- **How to begin each trip:** Choose how to begin recording each trip. Either start by choosing the 'From' and 'To' locations of each trip from a list, or start with GPS or Odometer recording. If your trips will be based on commonly traveled locations, it is often easiest to start with the 'Locations' option, otherwise it will be simpler to just start with GPS/Odometer.
- **Distance Method:** Choose to use GPS or Odometer to record your trips. You can also choose 'Not Specified' to directly use the Trip Status form.
- **Auto-detect locations using GPS:** If checked, this will cause the 'From' and 'To' locations of your trips to be automatically detected during GPS recording, using their known GPS coordinates.
- **Automatically create new locations if none detected or specified:** If checked, this will cause new 'From' and 'To' locations to be created automatically while recording your trips if none is chosen or detected using GPS. The created locations will be named 'Location 1', 'Location 2' etc.
- **If a saved distance between locations is available:** 'Always use the saved distance', 'Never use the saved distance' or 'Ask me every time' - If the distance is known between two locations, this determines whether that distance is automatically used.
- **Synchronization Type:** When synchronizing your driving data to drivinglog.com, this determines if you will receive changes to your trips and gas mileage records from the website. If you choose **Export Only**, you will only export changes from the device to the website, and will not receive changes made on the website. Otherwise if you choose **Fully Synchronize**, you will receive changes from the website. Note that regardless of this setting, you will receive changes to locations, categories, and user settings from the website during synchronization.
- **Trips and Gas Mileage** allows for the automatic deletion of previously synchronized trip and mileage data from the device if they are older than the time allowance entered. This feature determines the length of time to keep Trips and Gas Mileage data on the device. Due to limited space on the device, eventually you will want to have the data removed from the device. Note that the data will still exist on the drivinglog.com website.
- **Distance Units:** Use Miles or KM for all recorded distances, except odometer readings.
- **Odometer Units:** Use Miles or KM for all odometer readings.
- **Gas Units:** Use Gallons or Liters for gas volume.
- **Date Format:** The format that dates will be shown and entered.
- **User ID:** Displays the user ID to use for drivinglog.com. You can edit this by choosing Edit Login.
- **GPS:** COM port and baud rate to use for GPS recording via a GPS receiver.

Recording a Trip

To record a trip, tap “**New Trip**” from the Welcome Screen or tap the car icon. The process to record your trip will vary based on your settings.

By default, you will record the trip using GPS and then edit your trip using the Trip Summary form. The following settings may affect your trip recording process:

- If the '**How to begin each trip**' setting is set to '**Begin with Start/End Locations**', you will start each trip by choosing the '**From**' and '**To**' locations from a list, and may use the known distances between locations to determine your trip's distance.
- If the '**Distance Method**' setting is set to '**Odometer**', you can record each trip by entering the start and end odometer readings of your vehicle. Every trip ends on the Trip Status/Summary screen, which shows you the current status of the trip, allowing you to edit each field or choose Start Trip / End Trip to enter your trip information. If you exit this screen, your trip information is automatically saved. You can return to the Trip Status/Summary by tapping on the trip name in the **Trip List** view.

Using GPS

For best GPS reception, try the following:

- You need a GPS receiver, connected using a cable or Bluetooth.
- If you are using a Bluetooth receiver, make sure your handheld has Bluetooth connectivity turned on.
- Make sure the Driving Log COM port and Baud Rate settings are set correctly for your receiver.
- Go to an open area, away from buildings and trees.
- Make sure that both the battery of your handheld as well as your GPS receiver are fully charged.

Use the following steps to record a trip on the GPS Screen:

1. Wait for the '**Connected**' message with green arrows at the bottom of the screen.
2. Choose '**Start Trip**' to begin recording your trip.
3. While recording, the message and icons at the bottom of the screen will display the GPS status.
4. Choose '**Pause Trip**' and '**Continue**' to pause and resume your trip's distance recording. (It also pauses the time recording.)
5. At any time, you can exit the application and view progress on the today screen. Icons will display activity or a lack of activity with GPS recording.
6. Tap on the today icon, or tap the trip name from the list to end your trip and view the trip summary.

Note: While recording GPS, you may not be able to receive phone calls and SMS messages.

Note: The availability and accuracy using GPS derived location information will vary depending on the environment in which the GPS feature is used. In some situations, where adequate signals cannot be obtained, the GPS system may not work at all. Read your user guide for information on enhancing GPS performance.

Synchronizing

Choose **Synchronize** from the Menu selection on the tool bar to synchronize your driving data to the drivinglog.com website. You will be asked to create a new login if you do not have one. If you have created an account and this is your first time synchronizing, enter your user id and password and tap the “**new user**” option. Driving Log will then send all modifications of your trips, gas mileage, locations, categories, and settings to the website, and receive any changes made on the website.

After synchronizing, you can get reports and modify your data at www.drivinglog.com.

Note: While synchronizing, other services such as phone calls and SMS messages will be blocked.

Trip CSV format

The Trips CSV file contains the following information, ordered from left to right:

- **Trip Name** – The name of the trip.
- **Start Date** – The date and time from which the trip was started.
- **End Date** – The date and time from which the trip was ended.
- **From Location** – The name of the starting location.
- **To Location** – The name of the ending location.
- **Category** – The category the trip is in.
- **Start Odometer** – Starting odometer reading of the trip. 0 if no start odometer reading.
- **End Odometer** – Ending odometer reading of the trip. 0 if no end odometer reading.
- **Odometer Units** – Units of the odometer readings - miles or km.
- **Distance** – The total distance of the trip.
- **Distance Units** – Units of the Distance value - miles or km.
- **Distance Calculation Method** – How the distance was calculated - GPS, Odometer, Known Distance, or None.
- **Duration** – The total time of the trip in seconds.
- **Average Speed** – The average speed of the trip.
- **Speed Units** – Units of the Average Speed, for example "mph" for miles per hour.
- **Memo** – Any memo taken for the trip.

Gas Mileage CSV format

The Gas Mileage CSV file contains the following information, ordered from left to right:

- **Start Date** – The starting date of the gas mileage record, which is the date of your first fill up.
- **End Date** – The ending date that the gas mileage record, which is the date of your second fill up.
- **Start Odometer** – The starting odometer reading for the gas mileage record, recorded during your first fill up.
- **End Odometer** – The ending odometer reading for the gas mileage record, recorded during your second fill up.
- **Odometer Units** – The units of the odometer readings - either miles or km.
- **Distance** – The total distance of the gas mileage record. (End Odometer minus Start Odometer)
- **Distance Units** – The units of the distance - either miles or km.
- **Gas Volume** – The total amount of gas needed to fill the vehicle the second time, which is the amount of gas used during the Gas Mileage time period.
- **Gas Volume Units** – The units of the gas volume - either gallons or liters.
- **Gas Mileage** – The computed gas mileage for the record's time period.
- **Gas Mileage Units** – The units by which the gas mileage was calculated, for example "mpg" for miles per gallon.

Contacting Us

For any issues with this application, please contact support@concretesoftware.com or check us out on the web at www.concretesoftware.com.