



GPS-Mobi™ Quick Start Guide

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GPS-MOBI Quick Start.doc

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Overview

The GPS-Mobi application is a simple application that provides the GPS location of a Windows Mobile 6 device. This information is sent to the CES Wireless Technologies FleetLinc server by default but could be sent to any server licensed for use with the device. The following items are available with the GPS-Mobi application.

- Each device has a Unique Identity.
- Report current location on a predefined period (if GPS device is available).
- Report location on request (poll position).
- Keep a history of incoming and outgoing packets.
- Display current GPS information including date, time, latitude, longitude, number of satellites and HDOP.

System Requirements

- A mobile device running Microsoft® Windows Mobile 6 Professional or later with at least a 400MHz CPU.
- GPS device (internal or external via Bluetooth)
- Internet network connection via GPRS or Wi-Fi.
- 128 megabytes (MB) of RAM or higher recommended (128 MB minimum supported; may limit performance)
- 2 gigabytes (GB) of available external storage card *
- A 240 x 320 pixels display or higher-resolution.

* Actual requirements will vary based on your operating system, configuration, and the features and map area that you use.

Pre-installation Preparations

Before beginning installation of GPS-Mobi™, you should prepare your device.

- Use only a device running Windows® Mobile 6 Professional or later.
- Check that the device has internet connectivity via GPRS or Wi-Fi.
- Check that the time, month, day, and year are correct. Also, click the Time Zone tab and check that the time zone is correct.

After you have checked the above, you can start the installation process.

Installation

To begin installation, copy the GPS-MobiInstall.CAB file onto the mobile device using Windows ActiveSync (you may need to download and install it manually if you don't have it). ActiveSync gives the ability to browse the contents of the mobile device like a normal file system among other things. Remember where you have copied the CAB file so you can later locate it on your mobile device.

After you have copied the file successfully, use the mobile device, open the File Explorer and locate the installation file. Click (tap) it once to open it and ignore any security warnings you may receive. The installation will be completed quickly and you can click the OK button on the upper-right corner to close it.



Screen after installation

Configuration

Running the application

To run the application, open the *Programs* folder, locate the application (GPS-Mobi) and click it once.



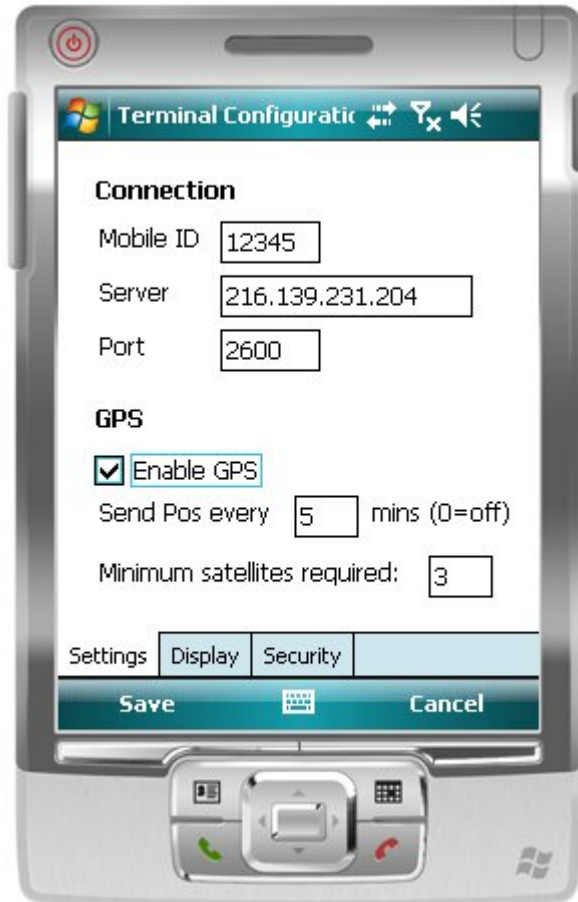
Programs Folder

It may take some time to execute and most likely you will receive an error saying “*Could not establish connection*”. This is normal because the application has not been configured yet. You may also get this message if you have set up the application to launch on startup (see *configuration*) and the phone has not been connected to the network yet.

Click the Options menu and then Configure. A new form will appear where you can configure the application.

Configuring the application

Main Settings



Configuration form - Main settings

Mobile ID should be a unique number which will identify the specific device. If the device is to be used with FleetLinc the Mobile ID will be provided to you by CES.

Server and *Port* are the address (an IP or a hostname) and port number where the application server can be found. The default values for use with FleetLinc are:

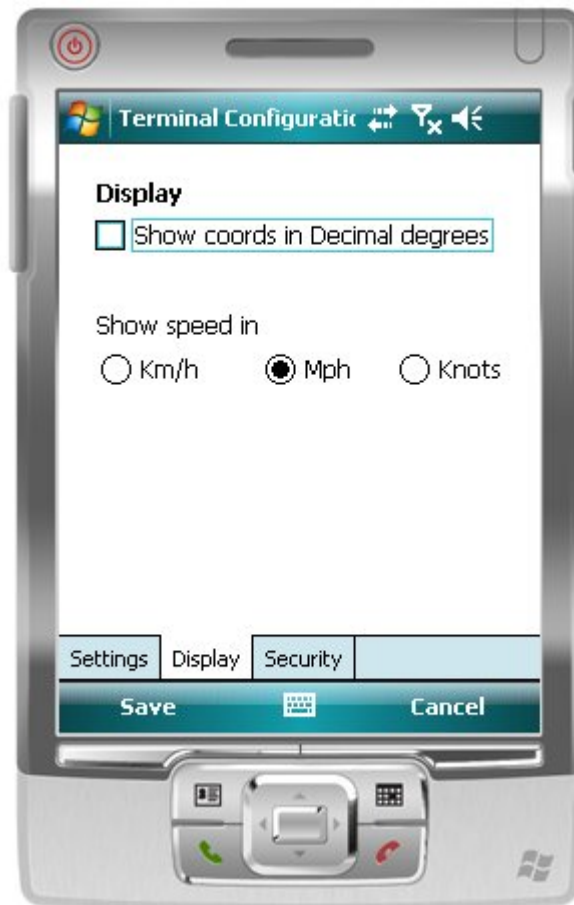
IP Address	216.139.231.204
Port	2600

You have the choice to enable or disable the *GPS* receiver and how often it will automatically report the position. You can also define the *minimum satellites required* for a valid position.

Display

By default, speed is shown in Mph and the coordinates are shown in *degrees-minutes-seconds* format. You can change these settings in the *Display* tab.

You can change the coordinates display format to *Decimal degrees* and the speed value to *Km/h*, *Mph* and *Knots*.



Configuration form - Display settings

Security

If you define a password, you will be prompted for it when you try to access the configuration settings and also when you try to terminate the application.

By default there is no security password so just leave the *current* password field empty when you want to define a password. You will need to enter the current password in case you want to define a new one.

You can also set up the application to be launched during the device start up (boot) by selecting the "*Launch application on startup*" checkbox.



Configuration form - Security settings

Using the application

Overview

After you have successfully configured and restarted the application, it should look similar to the image below:



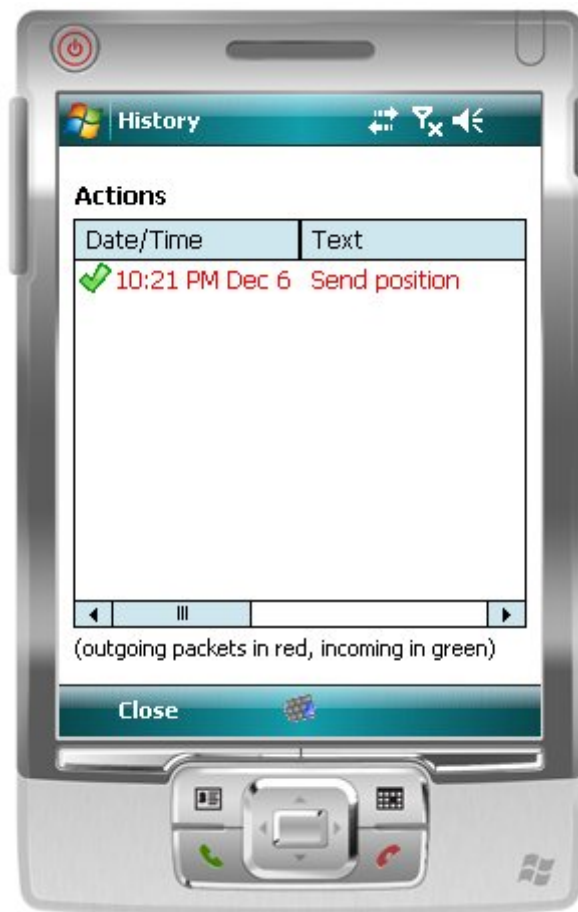
Main application running

At the top of the screen you can see information related to the GPS device status and the latest GPS timestamp (this timestamp is retrieved by the GPS satellites).

History

The user can view all past actions in a single form where outgoing and incoming packets are identified by different colors. There is also an indication if the outgoing packets have been sent successfully or if they are still waiting in the queue (e.g. there was no network connection at that time or the server is down).

Successful packets are shown with a *green check* icon and packets that haven't been sent yet are shown with an *exclamation* icon. Waiting packets are being handled automatically by the application and will be sent as soon connectivity is back to normal.



History form