

Aspicore GSM Tracker by Aspicore Ltd

Tool to track locations of Series 60 phones in an efficient SQL database. Low data costs thanks to GPRS and compact messages. Uses Bluetooth GPS or GSM network cell ID.

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Product Details

User Rating	★★★★★	Version	1.11
Downloads	12473	Submitted	10/06/04
Features		Requirements	View requirements
Support	Contact developer	Download Time	22 sec @ 56k
Registration Key	Provided with purchase	Categories	Enterprise Solutions , GPS , Other

Overview**Purpose**

Would you like to...

- View the whereabouts of your entire fleet from your desktop?
- Know the closest vehicle or technician to the next job site?
- Access yesterday's detailed route history for every vehicle in your fleet?

With a system based on Aspicore GSM Tracker, you can!

Features

Cost-effective and efficient tool to track several mobile phones in a remote SQL database.

The client program runs in a Series 60 phone, in the foreground or in the background. The program is able to connect to a Bluetooth GPS receiver and transmit the received GPS location data (NMEA-0183) to a central database via GPRS.

You don't even need necessarily to have as many GPS receivers as tracked mobile phones, if a lower accuracy suffices and there are only a few places or standard routes you want to have recognised. The location of the mobile phone can also be determined by the network cell id.

You can configure the timers and events, which trigger the data send action. The data is sent in a compact UDP datagram, only a little over 100 GPRS bytes per message. This means that the data transfer costs are minimal compared to e.g. SMS.

The central database is a powerful SQL engine, which can handle hundreds of mobile tracking targets. (Depending on the tracking frequency and resolution.) The database accumulates position data from the mobile phones being tracked. Each record in the database is identified by the IMEI code of the phone the data belongs to.

The location data is collected to an industry standard SQL database. This makes it straightforward to integrate with the rest of your company data systems.

If you are not using a GPS receiver, you must first create a mapping from the network cell ID to a geographical location. Unless you get the cell id location lists from your mobile operator, you can collect the data yourself by driving around the places you want to have recognised by the system and have Aspicore GSM Tracker and a Bluetooth GPS to record the GPS coordinates of the network cells.

When the system is eventually being used, the mobile will report its network cell information to the system server by using Aspicore GSM Tracker. The server compares the network cell information to the accumulated data and converts it to an estimated geographical location. This way you can track your sales representatives, delivery men, children etc without them needing to carry a GPS receiver with them.

The central database solution is not included, but customers can use Aspicore's test server in the Internet for evaluation and testing (<http://www.toimii.com/gps>). The test server can also be used to evaluate the network cell based positioning. Collect first the cell locations along your daily routes with a Bluetooth GPS and then try positioning without a GPS receiver! This is a more affordable and a real-time alternative to operator based mobile phone positioning.

Aspicore GSM Tracker sends data to the server as plain ASCII characters in an UDP datagram. You can write the receiving end program yourself by using UDP sockets, if you wish.

Aspicore Ltd is willing to provide you with the data collection database server software or to assist you to integrate the Aspicore GSM Tracker solution into your enterprise system. Refer to <http://www.aspicore.com>

Installation

Setup and Usage Guide (Adobe PDF, 129 kB) (http://www.aspicore.com/pdf/GSM_Tracker_Setup_And_Usage.pdf)

You can find more installation and other info at the support F.A.Q. (<http://www.aspicore.com/support/gsmtrckr/default.htm>)

Supported phones

Any Series 60 smartphone.

Series 60 version 1.0 (Symbian OS v6.1)

- Nokia 3600, 3620, 3650, 3660, 7650, N-Gage, N-Gage QD
- Sendo X
- Siemens SX-1

Series 60 version 2.0 (Symbian OS v7.0)

- Nokia 6260, 6600, 6620, 6630, 7610
- Panasonic X700

Supported GPS devices

Any NMEA-0183 compliant Bluetooth GPS. Tested with

- Socket Bluetooth GPS receiver (technically identical to Emtac)
- Holux GR-230 Bluetooth GPS
- Anycom GP-600 BC79 Bluetooth GPS
- TomTom Wireless GPS (similar to Leadtek)
- Belkin Bluetooth GPS Receiver (resembles Fortuna Clip-On)
- Bluei Wireless GPS Receiver
- Falcom NAVI-1
- Pretec BluetoothGPS

Test compatibility with other devices by downloading the free trial version.

\$40.00

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Requirements

Requires 100 kB RAM, 100 kB Flash

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User Reviews

1 Review. Average User Rating: ★★★★★ [Add Your Review](#)

★★★★★ **Powerful and Intuitive**
Jonas M Luster from Los Gatos, CA, October 18, 2004

"I am a social scientist by trade. Locative systems and cellphones are not only my bread and butter, they are also my passion. When Aspicore released GSM Tracker, which bridges both of my passions, I was at first sceptical if a cellphone based product would "cut it" for me. I am pleased to report, it did. GSM Tracker has all the features I need, a thoughtfully designed way to submit coordinates to a server using GPRS, and grabs suprisingly little memory. But above all this, it's the small things that count, such as a way to lock the screen from within the application, or keep the backlight on while, for example, hunting geocaches. Well done, guys, a great piece of software."