



Classic Tracker Ltd.

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Classic Tracker Quick Start Guide

Following the registration of your vehicle on our website, you will have received login credentials to Classic Tracker.

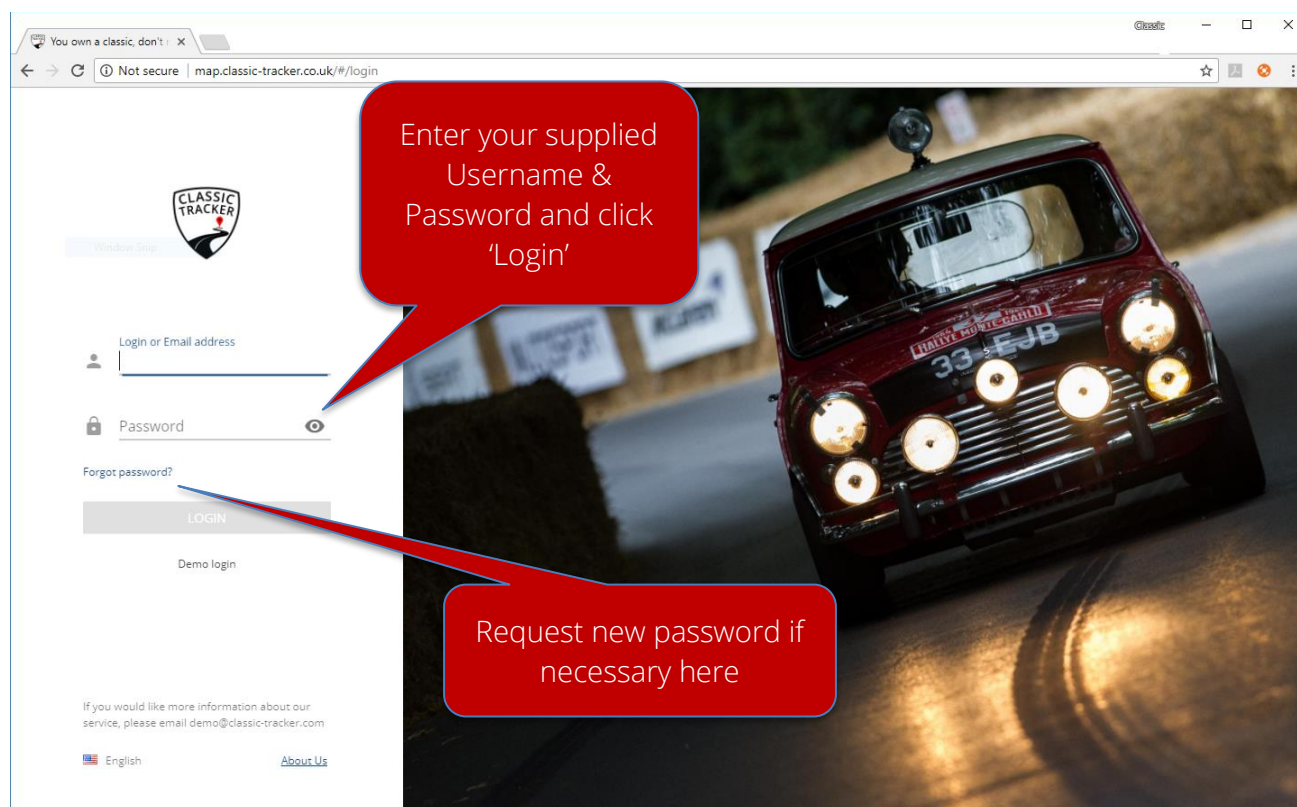
Username: `your.email@address.com`

Password: [provided by Classic Tracker following registration]

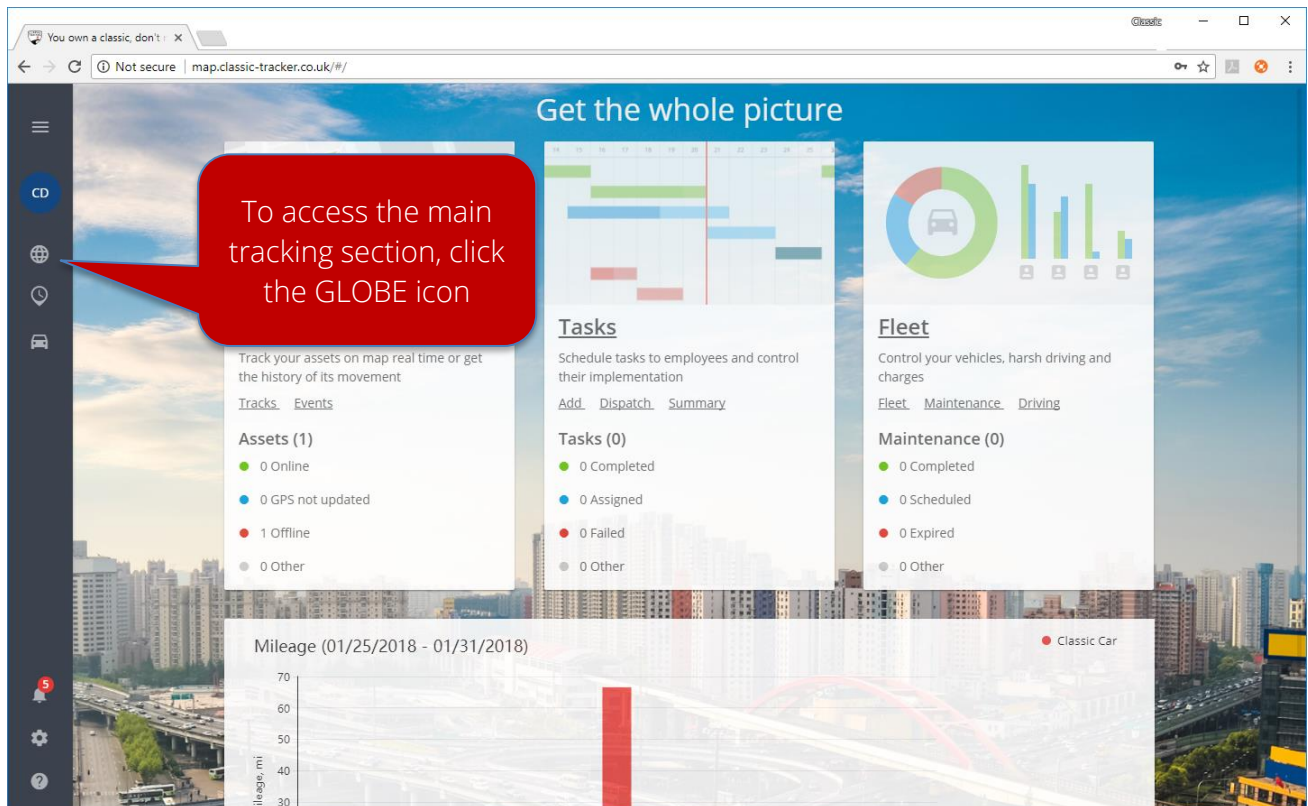
These login-credentials can be used for logging into either the MY CLASSIC TRACKER web portal, or the X-Monitor App.

1. MY CLASSIC TRACKER web portal

To log in on your desktop or laptop, please visit: <http://map.classic-tracker.co.uk/>



You will be taken to an overview screen as follows:

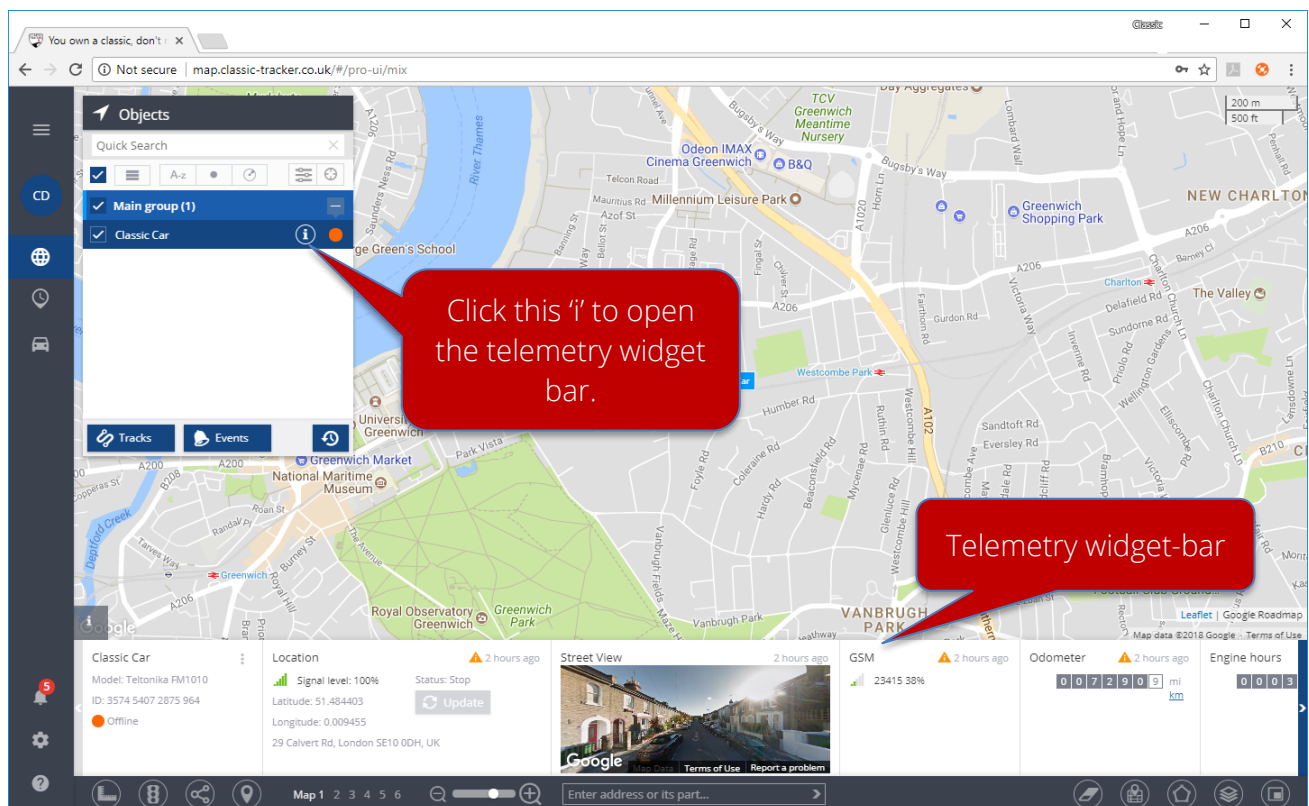


Click on the GLOBE icon to continue.

1.1 Main Tracking Section

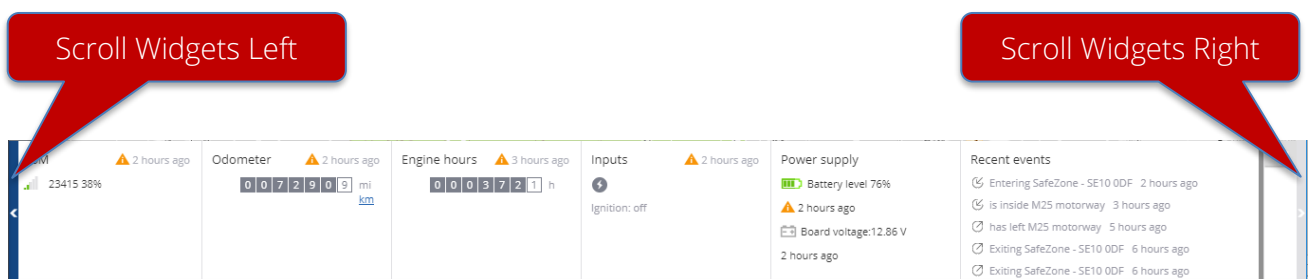
This main window presents a wide range of information including vehicle location & status. Note that clicking on the GLOBE icon anytime will always return you to this main window.

Once displayed, please click the small 'i' icon next to your vehicle to bring up the telemetry widget-bar at the bottom of the screen.



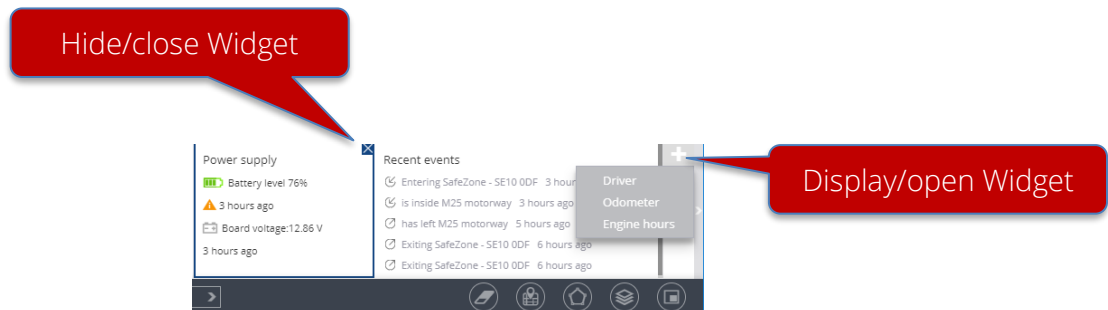
1.1.1 Telemetry Widget Bar

This panel displays all operational statuses of your vehicle and Classic Tracker; plus allows you to remotely control additional accessories which may be optionally fit to your vehicle. For example, remote vehicle immobiliser.



1.1.2 Display/Hide Widgets

Some of the displayed widgets may/may not be applicable to your Classic Tracker service. You can select/change which widgets you would like displayed at any time.






1. To remove: Hover over a widget and click the X in the top right-hand corner of a widget.
2. To display: Scroll all the way to the right and click on the white X in the grey box to select which widget you would like displayed.

Each 'widget' displays different status detail. Note that if the tracker has been in sleep mode, the status information will be historic, i.e. the last time the tracker was awake:

- **Vehicle Name**, Tracker Model/IMEI & Status
- **Driver**: Not used by Classic Tracker service
- **Location**: Lat & Long, Received GPS Signal Strength
- **Google StreetView** – double click to expand window
- **GSM**: Received Signal Strength of Mobile GSM Signal
- **Odometer**: Mileage based on GPS-mileage following tracker installation
- **Engine Hours**: Based on how long the ignition has been switch on for.
- **Inputs**: Ignition Status (glows green when vehicle ignition is on)
- **Power Supply**: Reports on both internal battery tracker level as a percentage and supply voltage to the tracker.
- **Outputs**: Used to remotely control vehicle immobiliser. Please see separate section later.
- **Recent Events**: A catalogue of any events which may have occurred.
- **Sensor Readings**: Not used by Classic Tracker service
- **OBD2 & CAN**: Not used by Classic Tracker service
- **Fuel Level**: Not used by Classic Tracker service

1.2 Tracker Status

The colour of the circle near to the object name displays the current status of the device.


	Location is fixed, device is online	Has GSM, Has GPS
	Location is not fixed, out of date or device is online but entered into GPS sleep mode	Has GSM, No GPS
	Device is offline having entered into battery preservation mode.	No GSM, No GPS

1.2.1 Battery Preservation

In order to operate as a trusted tracking device within a classic vehicle (which is often rarely used), Classic Tracker enters into GPS sleep mode after 5 minutes of movement inactivity (no movement with ignition off). Classic Tracker enters into a further 'offline' mode after approximately 10 minutes of not sending any further status updates.

1.3 SafeZones (Geofences)

These are configured by us when you register your tracker. However, we are able to configure multiple SafeZones at no additional cost. Please contact us with your requirements.

SafeZones can be viewed by clicking on the  icon, at the foot of the screen.

1.4 Alerts

The Classic Tracker continually monitors different aspects of your vehicle. When a particular set of conditions is met, an alert is sent.

Alert	Description/Condition Met	SMS (Text)	Email	App	Web
SafeZone Exit	When vehicle passes outside boundary of pre-assigned SafeZone.		✓	✓	✓
Over-speeding	(Not set as standard, but available if required)		✓	✓	✓
Power Tamper	When the supply voltage to the tracker drops beneath a specific threshold (i.e. the tracker or vehicle wiring is being tampered with)	✓	✓	✓	✓
Low Battery	When the trackers internal battery passes below a particular threshold	✓	✓	✓	✓
Towing Alert/Dynamic SafeZone	When a vehicle is moved without the presence of vehicle ignition (i.e. towing). This function exploits a feature of our trackers called Dynamic SafeZone (geofencing). Wherever your vehicle is parked, the Dynamic SafeZone will remember the location before it enters into GPS sleep mode. If the vehicle is moved without ignition at anytime an alert will be sent.	✓	✓	✓	✓

Note that we at Classic Tracker also monitor and receive critical alerts for all our customers on the SAFEST service plan.

The configuration of the alerts can be changed upon request.

1.5 Tracks & Time Machine

You can recall any number of journeys/trips, including events on those journeys using two available functions; Tracks and Time Machine.

1.5.1 Tracks

Select your vehicle, then hit the 'Tracks' button. Select the date/timeframe you wish to review trips within and select 'Show Events'.

The screenshot shows the Classic Tracker web application interface. The browser address bar displays `map.classic-tracker.co.uk/#/p/`. The interface includes a sidebar on the left with a menu icon, a 'CD' button, and a '5' notification badge. The main content area features a map of Greenwich, London, with a 'Classic Car' icon. A 'Tracks' button is visible in the sidebar. A 'Selected period' calendar is open, showing January and February 2018. The calendar has a date range from 01/29/18 to 01/31/18. A 'Show tracks' button is at the bottom of the calendar. Four red callout boxes with white text provide instructions:

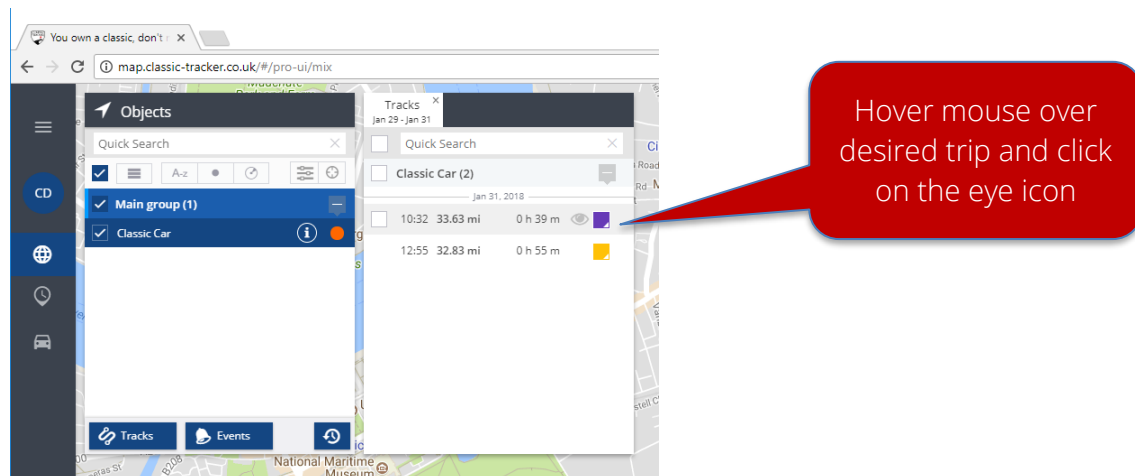
- Step 1. Select your vehicle (points to the 'Classic Car' icon on the map)
- Step 2. Select 'Tracks' (points to the 'Tracks' button in the sidebar)
- Step 3. Select Dates (points to the 'Selected period' calendar)
- Step 3. Select 'Show tracks' (points to the 'Show tracks' button at the bottom of the calendar)

The bottom of the interface shows a 'Street View' image, a 'GSM' signal strength indicator (23415 38%), and an 'Odometer' reading (0072).

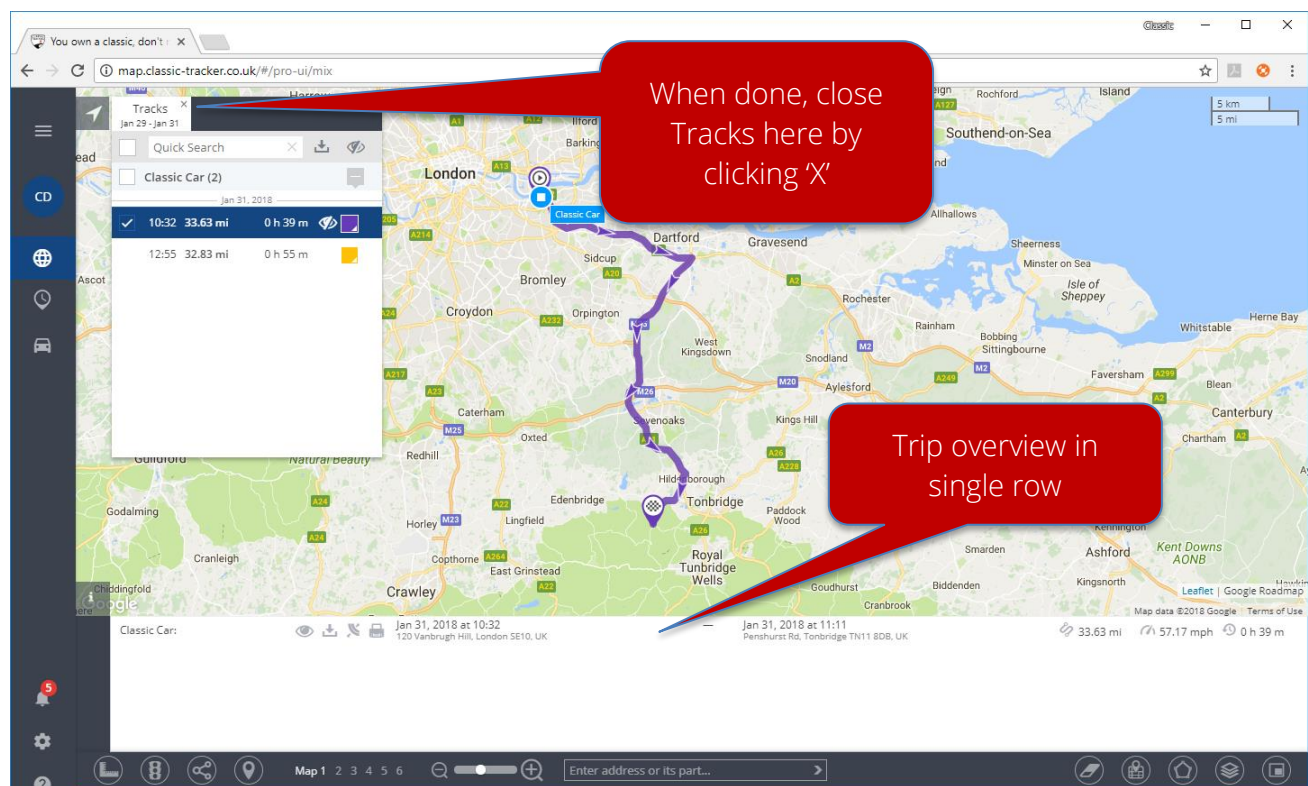
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v2.2 210526

The following 'Tracks' pop-up window will display any trips/journeys:



Trip detail will be displayed as follows:



When finished you can return to the original mapping window by clicking the small X on the 'Tracks' pop-up dialogue box.

1.5.2 Time Machine

Time Machine allows the 'playback' of prior trips/journeys. To access Time Machine, click on the icon found in the Objects window.

The screenshot displays the Classic Tracker web application interface. The top navigation bar includes a 'You own a classic, don't' button and a search bar. The left sidebar contains icons for 'CD', 'Map', 'Time Machine', 'Events', and 'Tracks'. The main content area shows a map of Greenwich, London, with a blue line representing a trip. A red callout bubble points to the 'Time Machine' icon in the sidebar, labeled 'Enter Time Machine by clicking here'. Another red callout bubble points to the 'Exit Time Machine' button in the top right corner, labeled 'Exit Time Machine'. A third red callout bubble points to the 'Adjust/set replay speed' controls, labeled 'Adjust/set replay speed'. A fourth red callout bubble points to the 'Press Play to replay trip' button, labeled 'Press Play to replay trip'. A fifth red callout bubble points to the 'Select Dates' dropdown menu, labeled 'Select Dates'. The bottom of the screen shows a timeline with dates from 01/31/18 to 02/01/18, and a 'Back to the future' button.

Enter Time Machine by clicking here

Exit Time Machine

Adjust/set replay speed

Press Play to replay trip

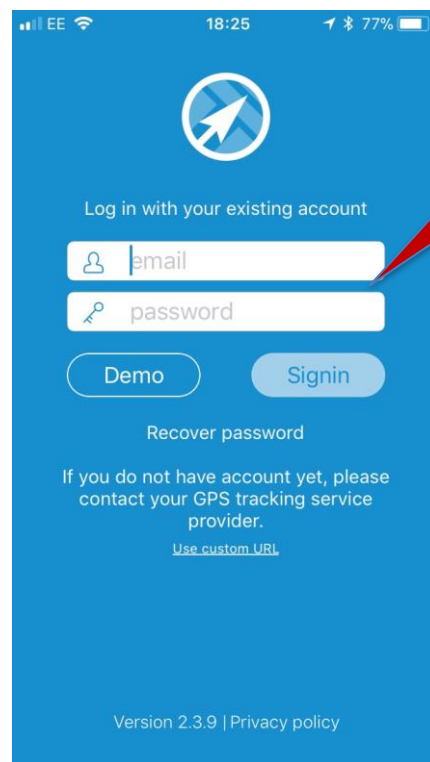
Select Dates

2. X-GPS Monitor App

The functions of the Classic Tracker service can also be accessed on a handheld device. The app is called X-GPS Monitor which is available on either Apple iOS devices or Google Android. Please search and download from your device-store.

2.1 iOS (Apple iPhone/iPad)

Once downloaded, run the app and log in using your supplied credentials:

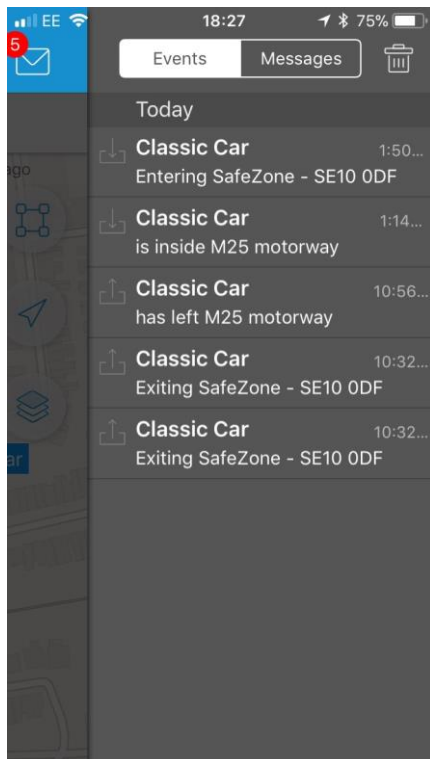


Enter your supplied
Username &
Password and click
'Login'

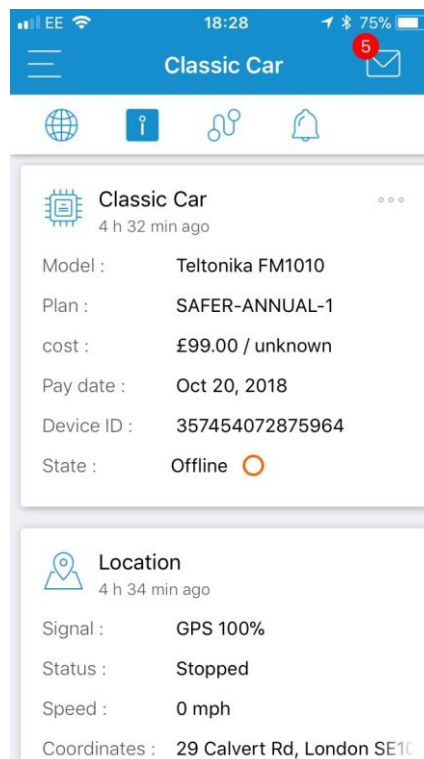
Once logged in, you should see your vehicle's location on the map



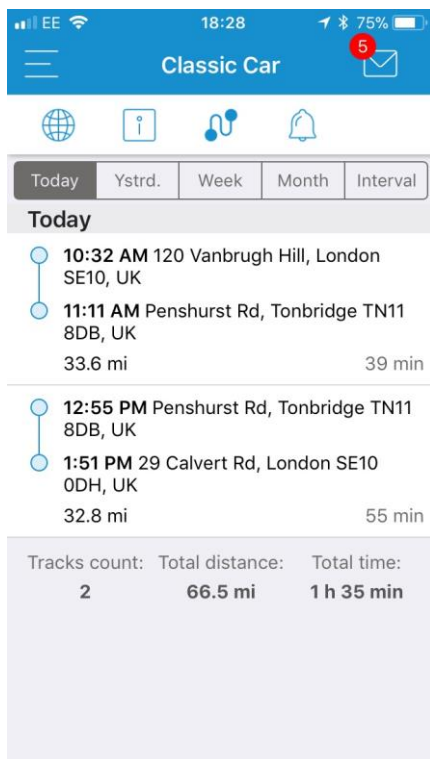
Alerts Section



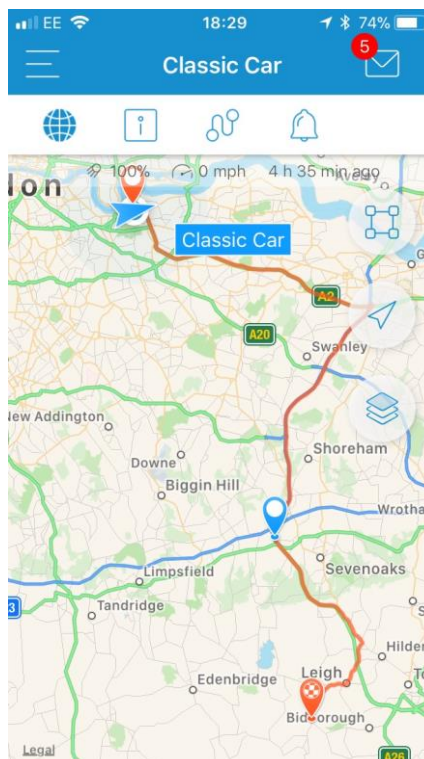
Vehicle/Tracker Telemetry



Track History

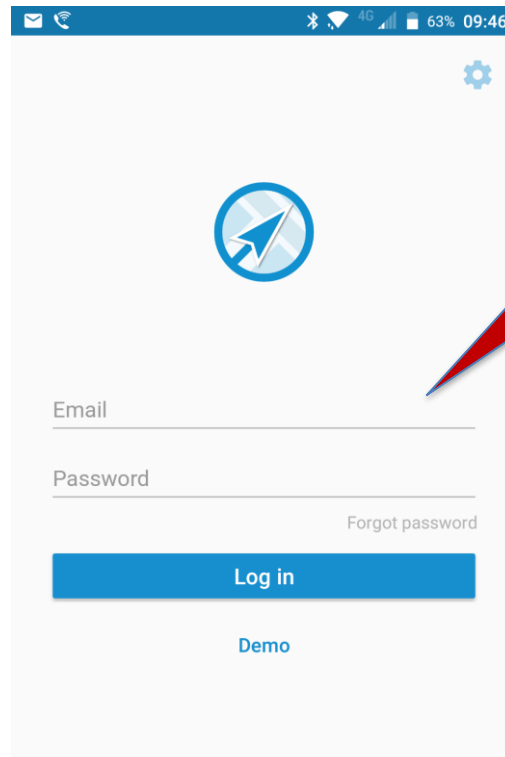


Specific Track History Detail



2.2 Google Android

Once downloaded, run the app and log in using your supplied credentials:

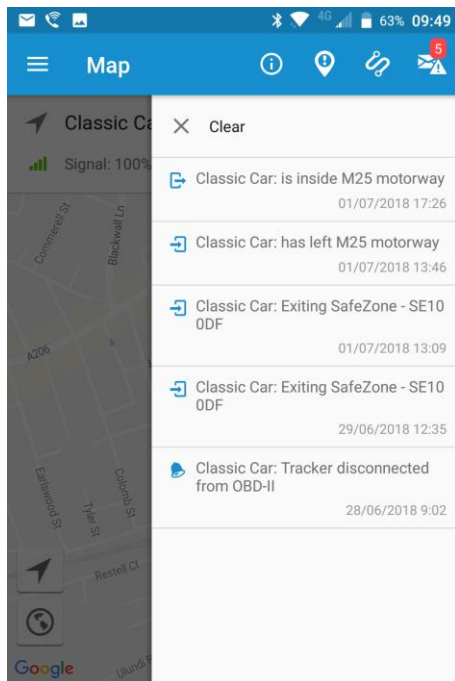


Enter your supplied
Username &
Password and click
'Login'

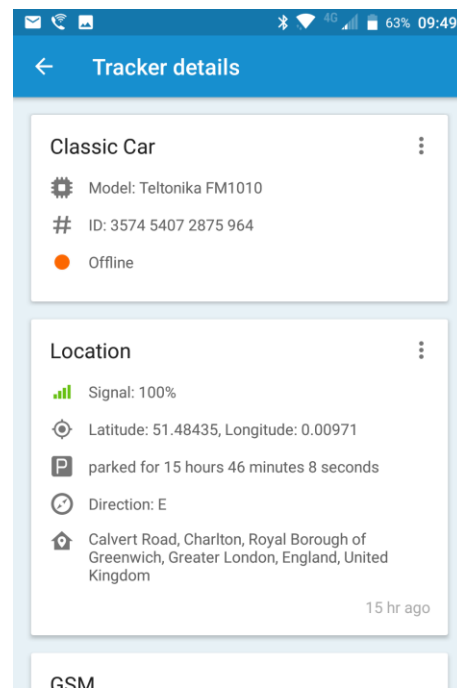
Once logged in, you should see your vehicle's location on the map



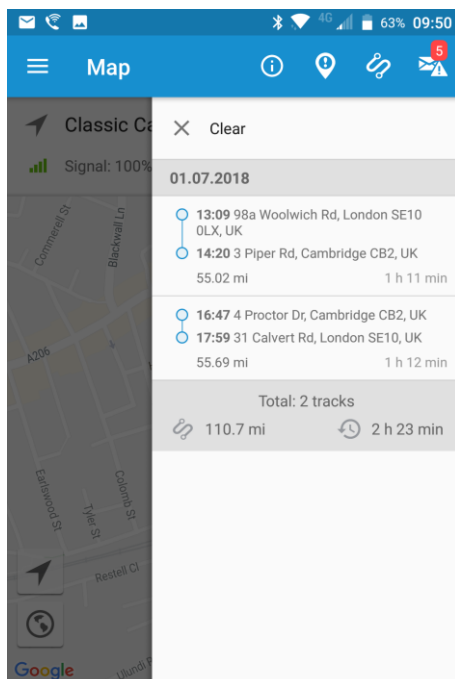
Alerts Section



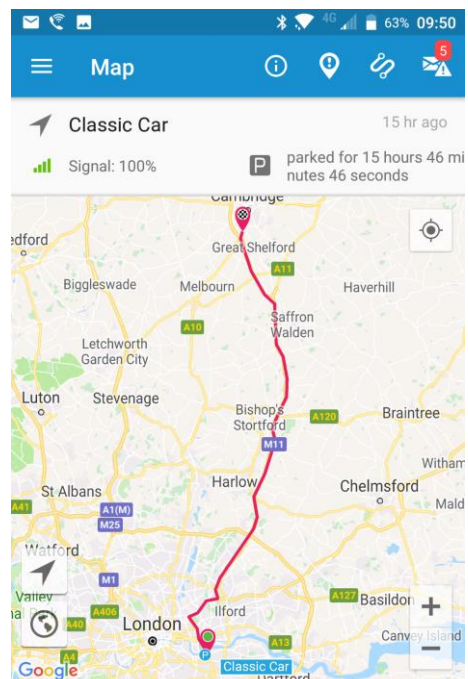
Vehicle/Tracker Telemetry



Track History






Specific Track History Detail



3. Remote Control Vehicle Immobiliser

The remote immobiliser requires the physical connection of our optional immobiliser pack. Once fully connected, the remote switching can be affected from either the web login or when logged into the mobile app as follows.

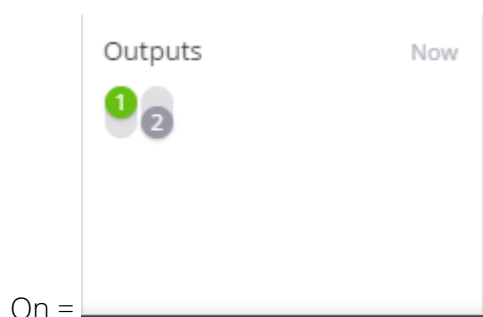
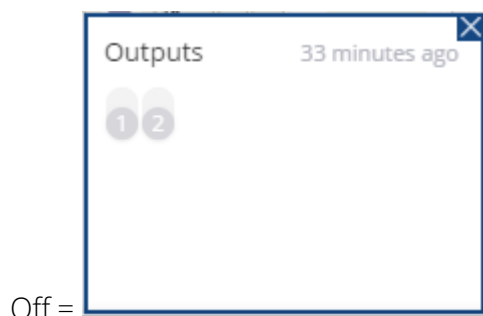
Note that tracker STATUS needs to be either Green or Blue to operate the switch. To preserve the vehicle battery which powers the tracker, the tracker enters a GPS sleep mode after 5 mins of switching off the vehicle ignition, and without any movement to the vehicle. The vehicle immediately comes out of GPS-sleep when ignition is sensed, or the vehicle is moved.

	Location is fixed, device is online	Has GSM, Has GPS
	Location is not fixed, out of date or device is online but entered into GPS sleep mode	Has GSM, No GPS
	Device is offline having entered into battery preservation mode.	No GSM, No GPS

Please note the immediacy of the time to switch is very much subject to both the availability and quality of the GSM connection to the tracker.

3.1 Web Portal – Remote Control

Once logged in on your desktop or laptop, on the widget section on the lower portion of the screen, find the 'Outputs' section and simply slide the slide the switch number '1' to the on position:

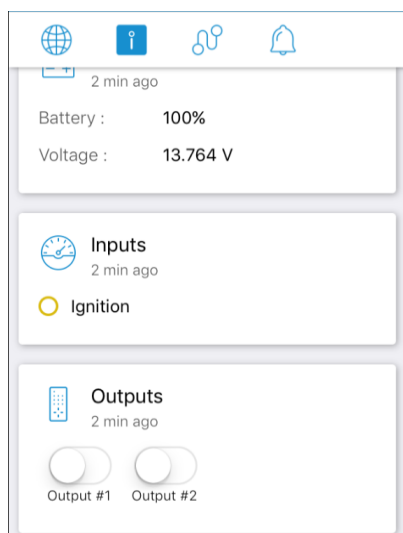


When switched to 'ON', the relay switched-circuit is open (vehicle immobilised).

3.2 Mobile App (X-Monitor) – Remote Control

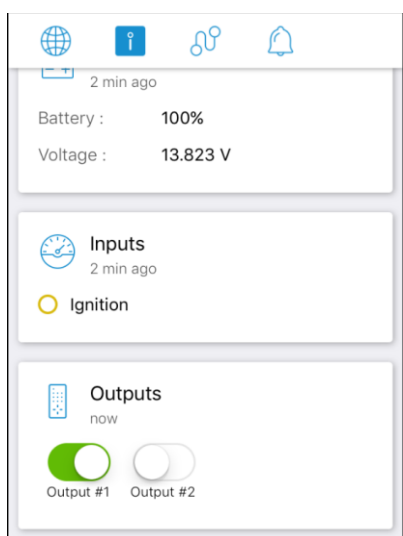
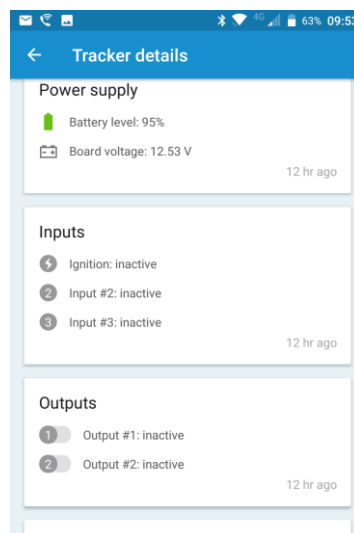
Similarly, for the mobile app, find the asset or vehicle you wish to control, hit the ‘i’ button at the top then scroll down to ‘Outputs’ section. Then simply slide the “Output #1” switch on or off to enable the relay switching:

Apple iOS

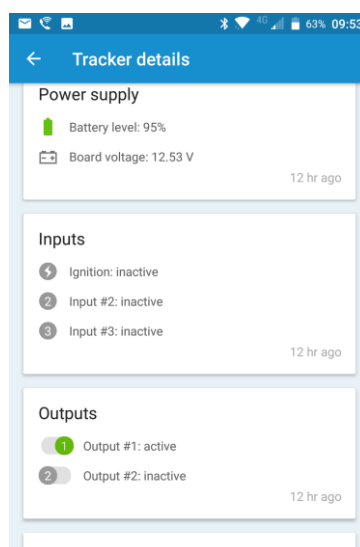


Off =

Google Android



On =



When switched to 'ON', the relay switched-circuit is open (vehicle immobilised).

4. Miscellaneous

4.1 Password

You are able to change your password in the 'Accounts' section found at the top left hand user-icon when logged in on a web-browser.

If you forget your password, you can request a new one by clicking on Forgot Password on the main login screen. Follow the instructions to receive a new password.

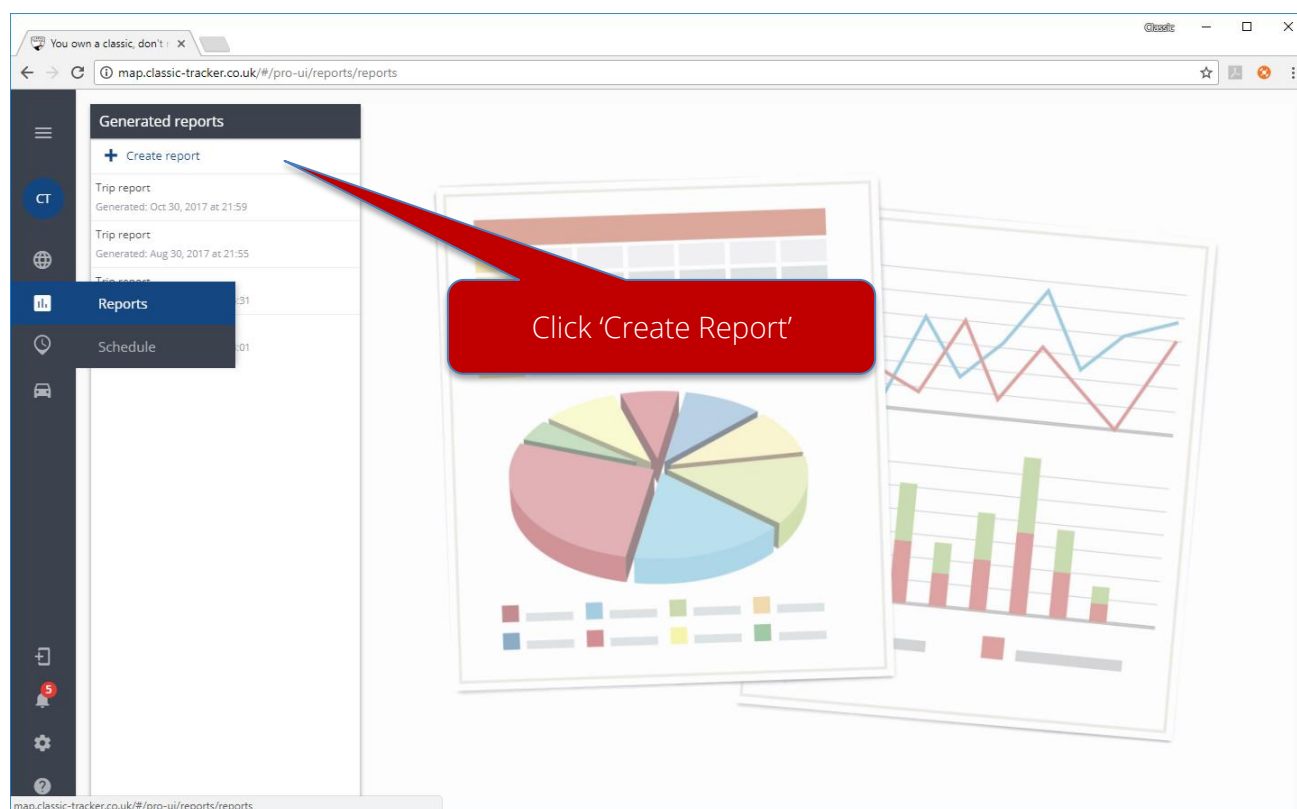
In some instances, your web-browser may require you to empty the browser cache to recognise the new password.

In the event of login difficulties, please do not hesitate to get in touch.

4.2 Reporting

As the Classic Tracker service deploys a professional fleet management back-end, there are a number of additional features available. Many have been disabled, however the ability to create trip reports is still enabled.

Access the report menu from the menu bar on the left-hand-side:



4.2.1 Trip Report

To build a Trip report

The screenshot shows the 'Build report' interface in the Classic Tracker application. The interface is divided into several sections: 'Available reports' on the left, 'Trackers' in the middle, and 'Trips' on the right. The 'Trips' section contains a 'Date range' selector, 'Control days' (Mo, Tu, We, Th, Fr, Sa, Su), 'Control time' (from 00:00 to 23:59), and a 'Geocoder' dropdown set to 'Google'. There are also checkboxes for 'Show stop duration', 'Show coordinates', 'Use smart filter', and 'Sort by driver'. At the bottom of the 'Trips' section are 'Cancel' and 'Build report' buttons. A red callout '1. Click 'Trips'' points to the 'Trips' tab in the 'Available reports' section. A red callout '2. Select your Vehicle' points to the 'Classic Car' checkbox in the 'Trackers' section. A red callout '3. Select the dates' points to the 'Date range' selector. A red callout '4. Select 'Build Report'' points to the 'Build report' button.

The report will be generated. Thereafter you can view on screen or download as a PDF for sharing or printing.

The screenshot shows the 'Generated reports' interface in the Classic Tracker application. The interface is divided into two main sections: 'Generated reports' on the left and 'Trip report' on the right. The 'Generated reports' section contains a list of reports with columns for 'Created', 'Generated', and 'Download'. A red callout 'New Report appears here' points to the 'Created' column. The 'Trip report' section contains a 'Classical Car' report for the date range 'Jan 31, 2018 00:00 - Jan 31, 2018 23:59'. The report includes a table of trips with columns for 'Movement start', 'Movement end', 'Total trips (length, mi)', 'Travel time', 'Average speed, mph', and 'Max. speed, mph'. A red callout 'Download, delete or Print here' points to the download icon in the 'Generated reports' section.

Movement start	Movement end	Total trips (length, mi)	Travel time	Average speed, mph	Max. speed, mph
Jan 31, 2018 (Wed) : 2					
10:32 [M25, SafeZone 1 - SE10 0DF] 120	11:11 Penthurst Rd., Tonbridge TN11 8DB, UK	33.63	0 h 39 m	57.17	91.96
13:51 [M25, SafeZone 1 - SE10 0DF] 29	13:51 [M25, SafeZone 1 - SE10 0DF] 29	32.83	0 h 55 m	52.82	89.48
In total:		66.47	1 h 35 m	54.99	91.96

4.3 Other Features

Other features which appear on the user-interface have either been disabled or serve little purpose in the protection of your classic vehicle.

4.4 GPS Wandering (false alerts or incorrect alert timing)

A phenomenon known as 'GPS wandering' can occur and present itself in several ways. Either or combination of the following can result in either or both delayed and/or incorrect alerts.

- *GPS (satellite lock/accuracy)*: the location reports incorrectly due to poor GPS signal (the tracker thinks it is somewhere when it is not). When this happens, the tracker will report a false alert as it believes it has exited the SafeZone or has been towed.
Any tracker's ability to receive data from as many satellites as possible (to increase location accuracy) will be challenged when the car is underground or in a good quality garage with limited or no visibility to the sky. Additionally, this is worsened as the tracker is concealed within your car, within its storage location, which only worsens the problem.
- *GSM (infrastructure communication)*: Our trackers use a multi-operator internal SIM card. It will therefore always attempt to connect to the strongest available GSM signal. Whilst it is moving, this is a benefit as the tracker is able to provide best-possible communications. However, when a vehicle is parked with the tracker at a location between two different operator masts, it will continually attempt to reassess received signal strengths from either mast. During this negotiation phase, its ability to report will be delayed for as long as it takes for the negotiation to conclude. This is worsened if a tracker is located between three different operator masts.
If a car enters and is parked in a location without GSM availability, it will only be able to report its' last known status update. When the vehicle re-enters GSM availability the alert will subsequently appear delayed.

Status Reporting

Please note that the speed of update on any of the information presented to a user is dependent on several factors outside the control of Classic Tracker. These include, but are not limited to:

- Change in operational status of the tracker (e.g. returning from a long period in GPS sleep mode requires time to find/update GPS position);
- Quality (in addition to strength) of the GSM signal received by the tracker and the trackers' proximity to GSM base-station/mast(s);
- Data latency to/from the device based on GSM availability and contingency (the responsiveness, the speed and quality of available data communications based on the number of GSM users connecting to the particular GSM base-station at any point in time);
- Quality of the received GPS signal. More challenged with vehicles parked underground or in secure garages for long periods;
- quality of internet connection/data latency to/from your desktop/laptop/mobile device.