



User Manual

System overview:

- Top panel.
- Left Panel.
- Vehicle details panel.

Configuration:

- Vehicles management.
- Edit Vehicle.
- Icon.
- Fuel consumption.
- Accuracy.
- Service.
- Info.

Events management:

- Main settings.
- Time.
- Objects.
- Routes.
- Zones.
- Notification about event.

My account.

- [Password.](#)

Sub accounts.

Reports.

History.

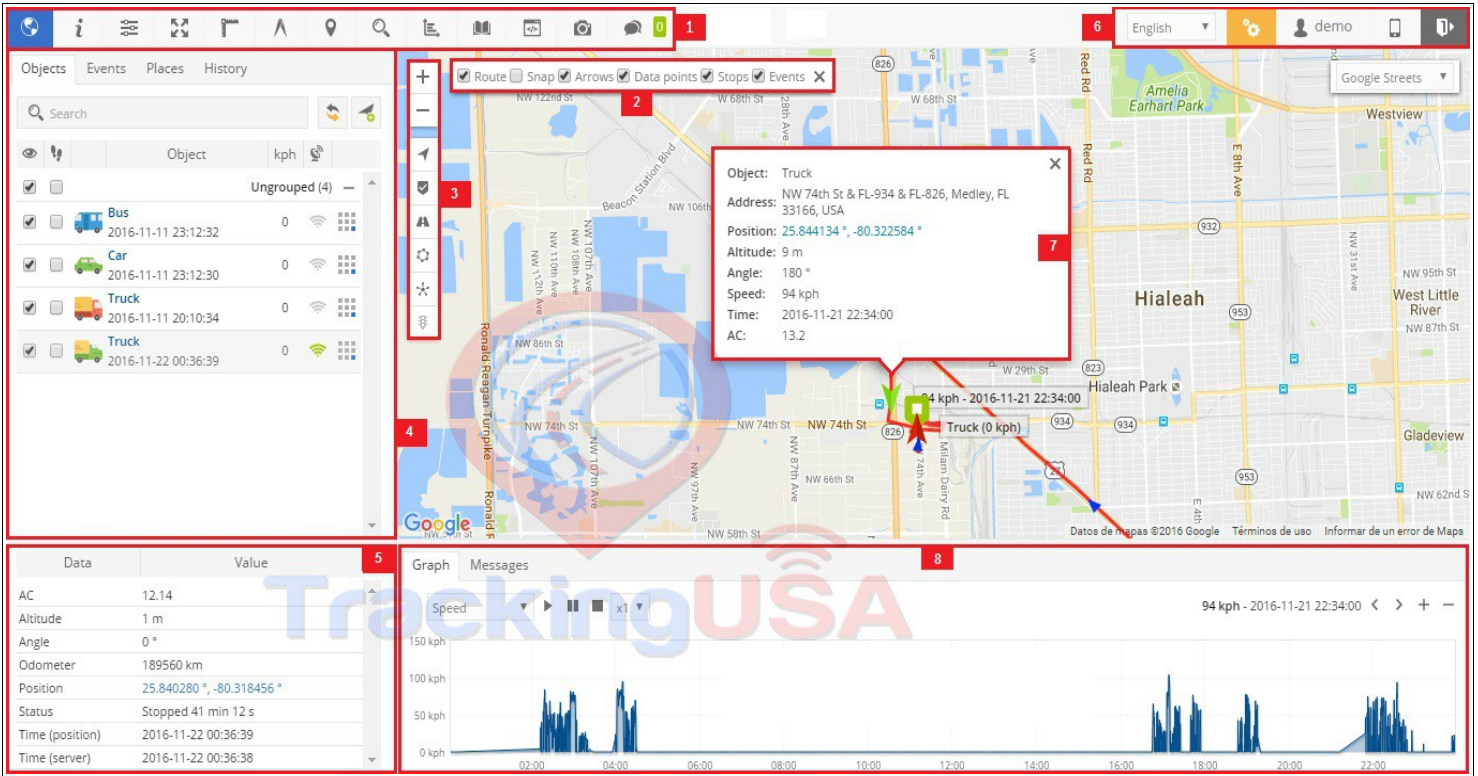
Places.

Markers.

Routes.

Zone.

System overview:



The screenshot displays the TrackingUSA software interface with several numbered callouts (1-8) highlighting key features:

- 1:** Top panel containing navigation and utility icons.
- 2:** Route controls including checkboxes for Route, Snap, Arrows, Data points, Stops, and Events.
- 3:** Map controls including zoom in (+), zoom out (-), and pan (arrow) icons.
- 4:** Left panel showing a list of tracked objects (Bus, Car, Truck) with their respective timestamps and speeds.
- 5:** Object details panel showing a table of data points for a selected truck.
- 6:** User account panel in the top right corner showing the user name 'demo'.
- 7:** Object details popup window showing specific information for a truck, including its address, position, altitude, speed, time, and AC.
- 8:** Graph panel showing a speed graph over time, with a current speed of 94 kph displayed.

Data	Value
AC	12.14
Altitude	1 m
Angle	0 °
Odometer	189560 km
Position	25.840280 °, -80.318456 °
Status	Stopped 41 min 12 s
Time (position)	2016-11-22 00:36:39
Time (server)	2016-11-22 00:36:38

1).Top panel.

2).Route controls.

3).Map controls.

- Map zoom control.
- Objects.
- Markers.
- Routes.
- Zones.
- Clusters - useful feature for those who has large number of objects and markers. Splits markers and objects into groups, which according to map zoom level will reveal content inside of it.
- Live/traffic (available only with google maps).

4).Left panel.

5).Object details panel.

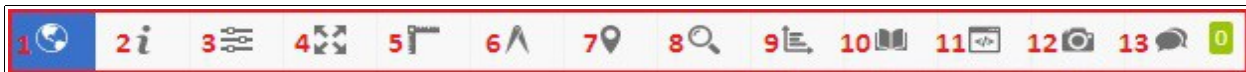
6).User account panel.

7).Object details.

8).History panel.

Top panel:

The panel is used to quickly access the vehicle configuration, rule, address search, configuration, reports, sending and receiving messages with compatible mobile devices.



1. **About**-Informs which software version is available .
2. **Help**-redirects to manual.
3. **Settings**-Settings menu that allows you to configure vehicles, events and so on.
4. **Fit objects on map**-Shows all vehicles marked on the map.
5. **Ruler**-tool to measure distances on map.
6. **Measure area**-Tool for measuring areas.
7. **Show point**-Center the map at the entered coordinates.
8. **Search address**-Tool to find the address on the map.
9. **Reports**-Create multiple reports of your vehicles when you need them and also schedule automatic reports.
10. **RFID and iButton log book**- review RFID and iButton activity.
11. **Object control**.
12. **Image viewer**-View images received from supported mobile devices.
13. **Chat**-send/receive messages from supported mobile devices.

Left Panel:

In this tab you can see the available vehicles, find them on the map, view the route history of the vehicles and edit the configuration of the vehicle.





1. **Objects tab** - view current vehicles statistics.
2. **Events tab** - history of events.
3. **Places tab** - allows to create, edit and delete zones and markers.
4. **History tab** - view history, create reports, export them to various formats etc.
5. **Reload** - reloads objects list.
6. **Add object** - allows to add new object.
7. **Search** - allows to find objects by name.
8. **Visibility checkbox** - turns on or off vehicles visibility on map.
9. **Follow checkbox** - Center the selected vehicle on the map.
10. **Object information** - Name, date and time of last received location.
11. **Speed indicator** - shows current Vehicle speed.
12. **GPRS indicator** - shows GPRS and GPS status.
 1. **Grey icon** - no GPRS and GPS
 2. **Orange icon** - no GPS signal
 3. **Green icon** - GPRS and GPS are OK
13. **Quick access** - allows to see object history and edit object settings.

Vehicle details panel:

This panel allows you to see more details about the selected vehicle. The panel appears when a vehicle is selected.

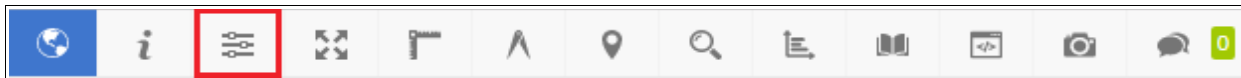
Data	Value
AC	13.45
Altitude	-50 ft
Angle	280 °
Nearest marker	Miami Airport (5.55 mi)
Nearest zone	Hialeah Park (2.38 mi)
Odometer	117801 mi
Plate	VP345
Position	25.837666 °, -80.320160 °
Status	Moving 14 s
Time (position)	2016-11-22 03:50:58
Time (server)	2016-11-22 03:50:59

- Altitude - object height over sea level.
- Angle - current object angle (0 - 360° clockwise movement).
- Nearest zone - distance from current point to nearest created zone.
- Odometer - object odometer readings.
- Plate - pre-specified object plate number.
- Position - coordinates of current object location.

Configuration:

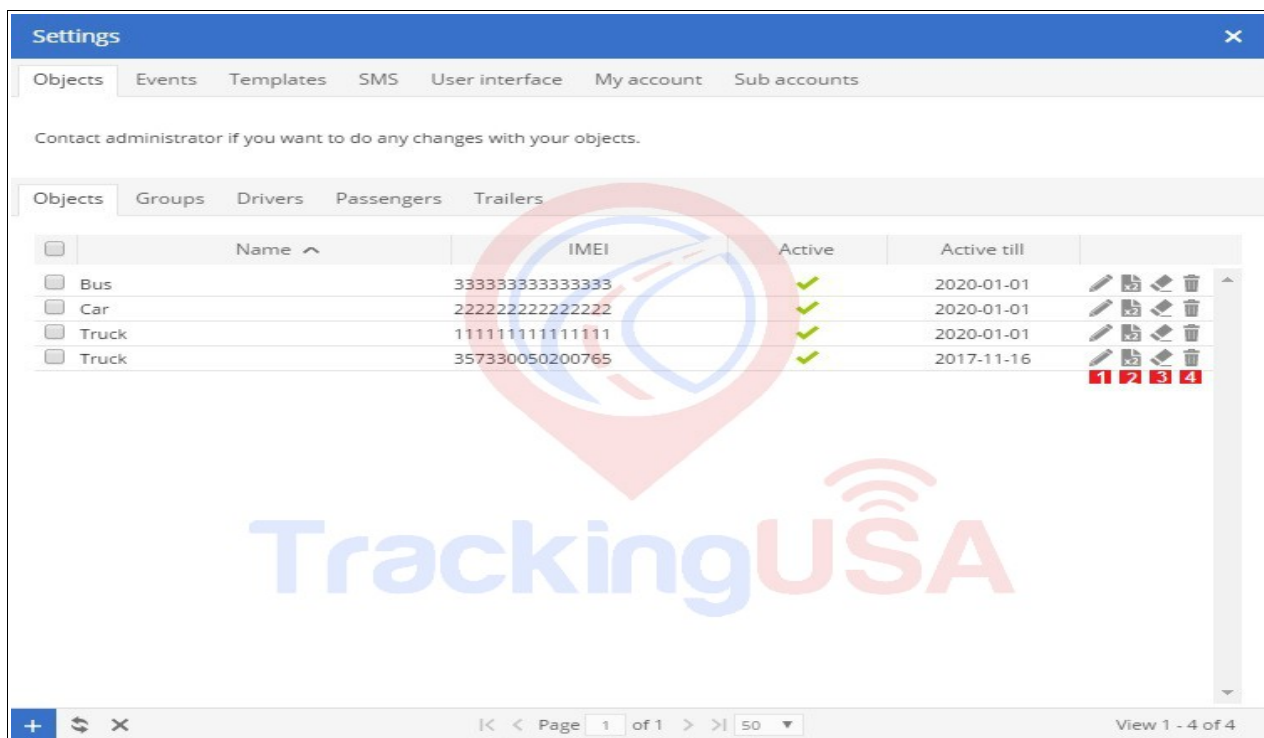
Settings section allows to add and edit objects and related elements, such as object groups, drivers, events. Also map interface appearance and user login details can be changed.

Settings section can be found in top panel, press settings button as shown below:



















Vehicles management

This section allows to manage vehicles and check object expiration date.



The screenshot shows the 'Settings' application window with the 'Objects' tab selected. The window title is 'Settings' and it has a close button. Below the title bar, there are tabs for 'Objects', 'Events', 'Templates', 'SMS', 'User interface', 'My account', and 'Sub accounts'. A message reads: 'Contact administrator if you want to do any changes with your objects.' Below this, there are sub-tabs for 'Objects', 'Groups', 'Drivers', 'Passengers', and 'Trailers'. The 'Objects' sub-tab is active, displaying a table with the following data:

<input type="checkbox"/>	Name ^	IMEI	Active	Active till	
<input type="checkbox"/>	Bus	3333333333333333	✓	2020-01-01	  
<input type="checkbox"/>	Car	2222222222222222	✓	2020-01-01	  
<input type="checkbox"/>	Truck	1111111111111111	✓	2020-01-01	  
<input type="checkbox"/>	Truck	357330050200765	✓	2017-11-16	      

The bottom of the window shows a footer with a page indicator: 'Page 1 of 1' and '50' items per page. The bottom right corner shows 'View 1 - 4 of 4'. A large 'TrackingUSA' watermark is visible in the background of the screenshot.

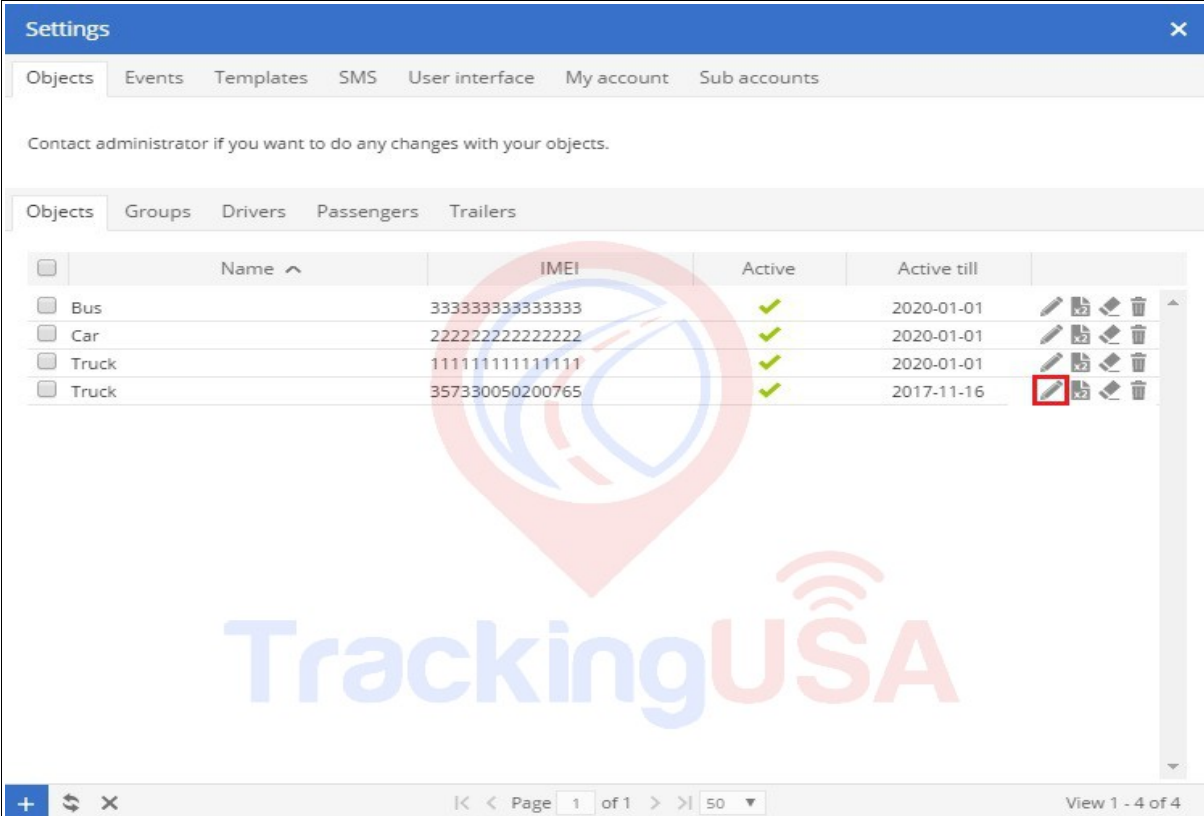
Name - vehicle name.

IMEI - GPS device IMEI number which is being used to connect device to system.

















1. **Edit vehicle**- allows to change vehicle details.
2. **Duplicate vehicle** - creates object copy with the same details except name and IMEI.
3. **Clean object history and events** - removes history and events entries.
4. **Delete vehicle** - permanently removes vehicle.

Edit Vehicle.

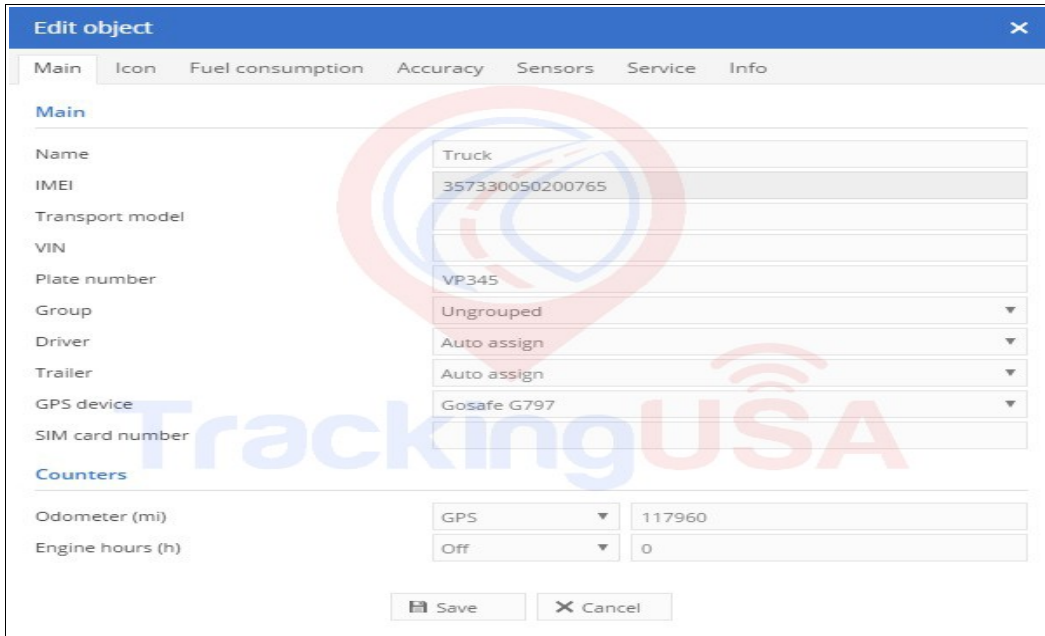
In object list choose object to edit and click  edit object icon.



The screenshot shows the 'Settings' window with the 'Objects' tab selected. Below the navigation tabs, there is a message: 'Contact administrator if you want to do any changes with your objects.' The main content area shows a table with columns: Name, IMEI, Active, and Active till. The table contains four rows: Bus, Car, Truck, and Truck. The edit icon (pencil) for the last row (Truck) is highlighted with a red box.

<input type="checkbox"/>	Name ^	IMEI	Active	Active till	
<input type="checkbox"/>	Bus	3333333333333333	✓	2020-01-01	   
<input type="checkbox"/>	Car	2222222222222222	✓	2020-01-01	   
<input type="checkbox"/>	Truck	1111111111111111	✓	2020-01-01	   
<input type="checkbox"/>	Truck	357330050200765	✓	2017-11-16	   

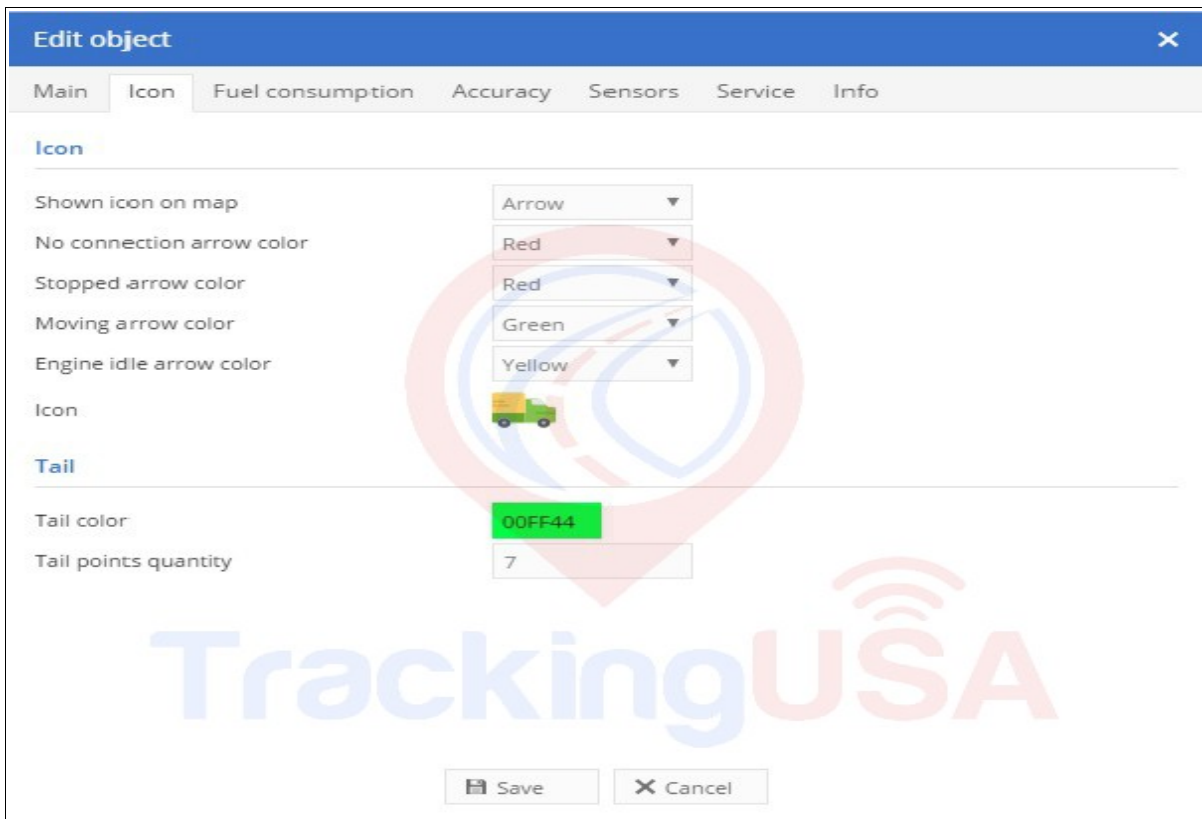
Vehicle edit window will appear. Information you can add, edit and remove that describes object is contained in 5 tabs: **Main**, **Fuel consumption**, **Accuracy**, and **Service**.



Main section contains basic settings.

- **Name** - vehicle name.
- **IMEI** - GPS device IMEI number.
- **Transport model** - for example: BMW 750.
- **VIN** - vehicle VIN number.
- **Plate number** - vehicle plate number.
- **Group** - choose group from pre created groups list.
- **Driver** - choose driver from pre created drivers list.
- **Trailer** - choose trailer from pre created trailers list.
- **GPS device** - choose pre added GPS device model.
- **SIM card number** - enter SIM card number.
- **Odometer (km)** - you can set how many kilometres vehicle drove.
- **Off**
- **GPS** - calculates distance using GPS location points. It is not a precise tool, results of vehicle odometer and system may vary.
- **Sensor** - system will get data from device sensor.
- **Engine hours (h)** - you can set how many hours engine worked.
- **Off**
- **ACC** - calculates engine hours using Ignition sensor. It is not a precise tool, results of vehicle engine hours and system may vary.
- **Sensor** - system will get data from device sensor.

Icon:



Edit object

Main Icon Fuel consumption Accuracy Sensors Service Info

Icon


Shown icon on map Arrow

No connection arrow color Red

Stopped arrow color Red

Moving arrow color Green

Engine idle arrow color Yellow

Icon 

Tail

Tail color 00FF44

Tail points quantity 7

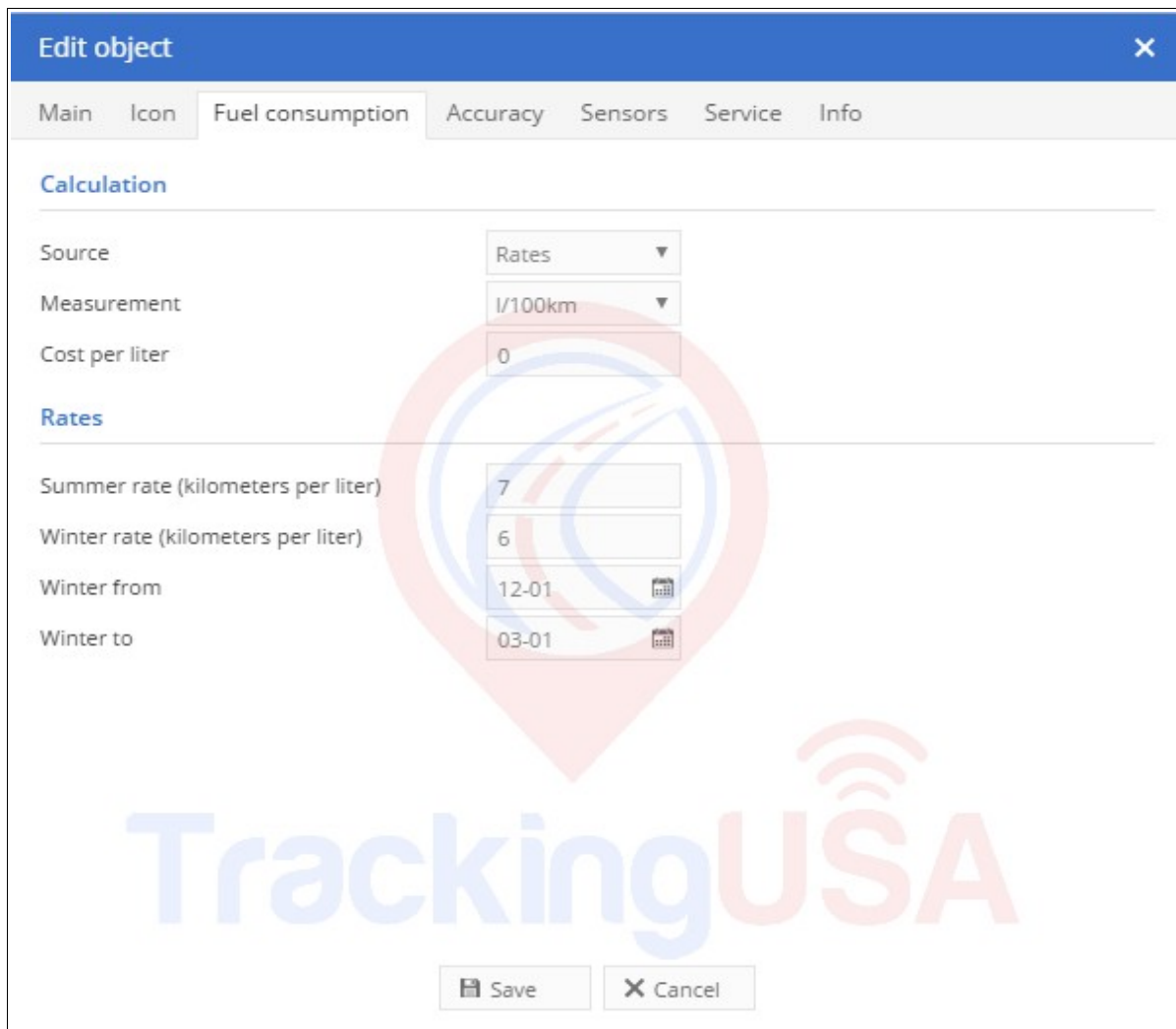
Save Cancel

Here you can configure the icon to display on screen, you can also configure different colors for when the vehicle is not online, when it stops, when it is in progress, you can also configure the points for the live history.

You can use a custom icon, such as a photo.

Fuel consumption:

Note: system fuel consumption statistics may vary from real fuel consumption of your vehicle. In order to receive fuel consumption statistics in your reports you need to set fuel consumption parameters.



The screenshot shows a software window titled "Edit object" with a close button (X) in the top right corner. Below the title bar is a tabbed interface with tabs for "Main", "Icon", "Fuel consumption", "Accuracy", "Sensors", "Service", and "Info". The "Fuel consumption" tab is active. Under the "Calculation" section, there are three fields: "Source" set to "Rates", "Measurement" set to "l/100km", and "Cost per liter" set to "0". Below this is the "Rates" section with four fields: "Summer rate (kilometers per liter)" set to "7", "Winter rate (kilometers per liter)" set to "6", "Winter from" set to "12-01" with a calendar icon, and "Winter to" set to "03-01" with a calendar icon. At the bottom of the window are "Save" and "Cancel" buttons. A large, semi-transparent "TrackingUSA" watermark is overlaid on the center of the dialog box.

Cost per liter - enter liter/galon cost. Currency can be set in user interface section.

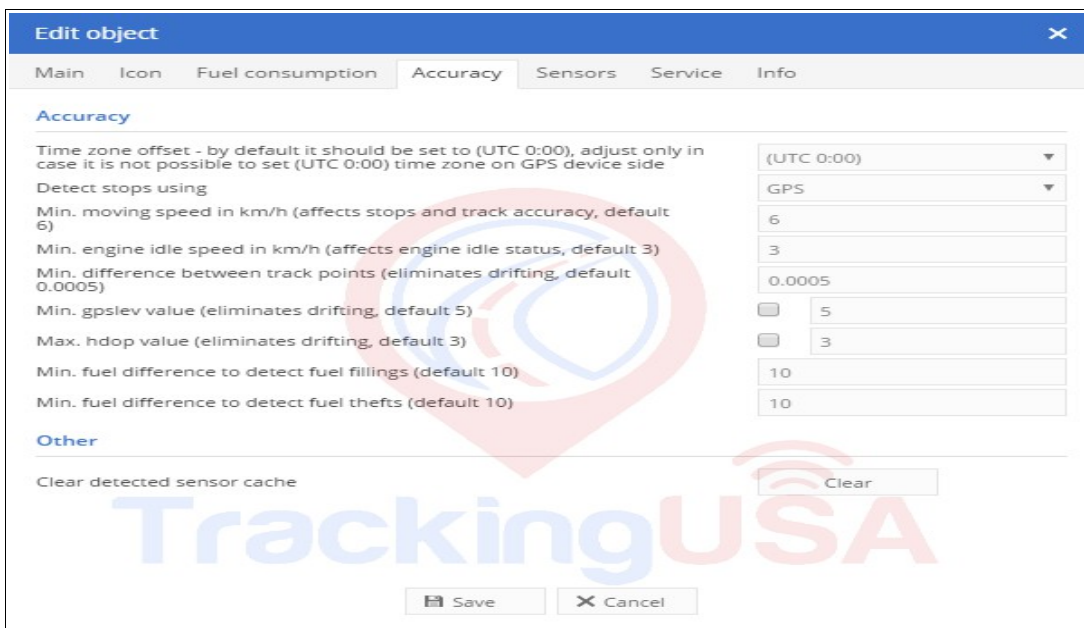
•**Summer rate (litres per 100 km)** - enter amount of fuel car consumes per 100 km during summer period.

•**Winter rate (litres per 100 km)** - enter amount of fuel car consumes per 100 km during winter period.

•**Winter from, Winter to** - 4 boxes where you set beginning and end of the winter period.

Accuracy:

In edit object window click on Accuracy tab. This section allows to accurately adjust GPS device data.



Edit object

Main Icon Fuel consumption **Accuracy** Sensors Service Info

Accuracy

Time zone offset - by default it should be set to (UTC 0:00), adjust only in case it is not possible to set (UTC 0:00) time zone on GPS device side

Detect stops using

Min. moving speed in km/h (affects stops and track accuracy, default 6)

Min. engine idle speed in km/h (affects engine idle status, default 3)

Min. difference between track points (eliminates drifting, default 0.0005)

Min. gpslev value (eliminates drifting, default 5)

Max. hdop value (eliminates drifting, default 3)

Min. fuel difference to detect fuel fillings (default 10)

Min. fuel difference to detect fuel thefts (default 10)

Other

Clear detected sensor cache

Clear

Save Cancel


Detect stops using:

- GPS** - calculates stops using GPS.
- ACC** - calculates stops according to ignition sensor state.
- GPS + ACC** - stops are being calculated according to both options.
- Min. moving speed in km/h** - set minimum movement speed.
- Min. difference between track points** - this option helps to eliminate inaccurate GPS device location points (drifting).
- Min. gpslev value** - location point filtering according to GPS signal strength.
- Max hdop value** - location point filtering according to horizontal dilution of precision.
- Min. fuel difference to detect fuel fillings (default 10 %)** - allows to set minimum amount (in percents) when sensor data changes will be recognized as fuel filling. (Example: if fuel level rises by 10% or more, it will be recognized as fuel filling).
- Note:** In order to use this option, you must configure fuel sensor properly.
- Min. fuel difference to detect fuel thefts (default 10 %)** - allows to set minimum amount (in percents) when sensor data changes will be recognized as fuel theft. (Example: if fuel level drops by 10% or more, it will be recognized as fuel theft).
- Note:** In order to use this option, you must configure fuel sensor properly.
- Clear detected sensor cache** - clears all detected device sensors.

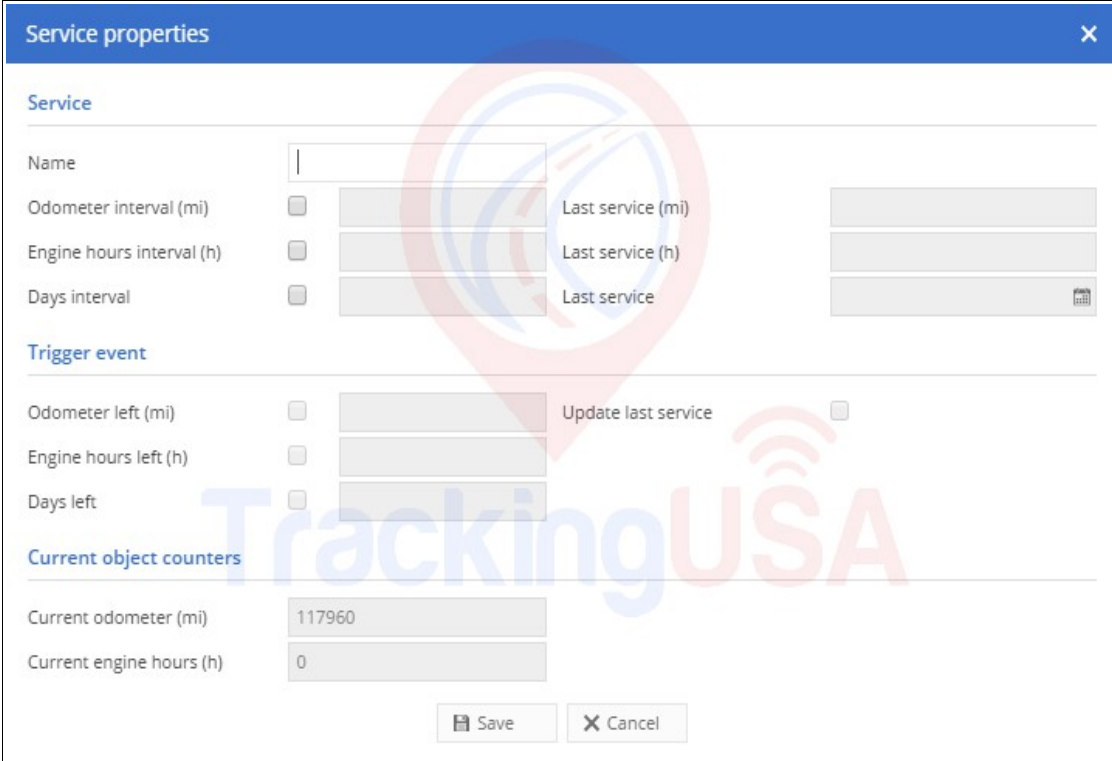
Service:

This section allows to set a reminder about vehicle maintenance work.

To add reminder entries to your object please perform following steps:

1. Go to Settings menu located in Top panel, select object and click on  edit object button.
2. In Edit object window click on Service tab. In left bottom corner press + button.

Import/Export service entries - import/export buttons are located in the bottom of the window.



Service properties [X]

Service

Name

Odometer interval (mi) Last service (mi)

Engine hours interval (h) Last service (h)

Days interval Last service

Trigger event

Odometer left (mi) Update last service

Engine hours left (h)

Days left

Current object counters

Current odometer (mi)

Current engine hours (h)

Name - service name (example: Change engine oil).

Calculations are made according to odometer results:

•**Odometer interval (km)** - distance after which service must be applied.

•**Last service (km)** - enter distance when the last time service was done.

Calculations are made according to engine run time:

•**Engine hours (h)** - time interval after which service must be applied.

•**Last service (h)** - enter the last time service was done.

Calculations are made according to days:

•**Days interval** - number of days after which service.

•**Last service** - choose last service date.

Trigger event

•**Odometer left (km)** - event will be triggered if chosen distance reached. Option available only if Odometer interval (km) is checked.

•**Engine hours left (h)** - event will be triggered if chosen time reached. Option available only if Engine hours interval (h) is checked.

•**Days left** - event will be triggered if specified days reached. Option available only if Days interval is checked.

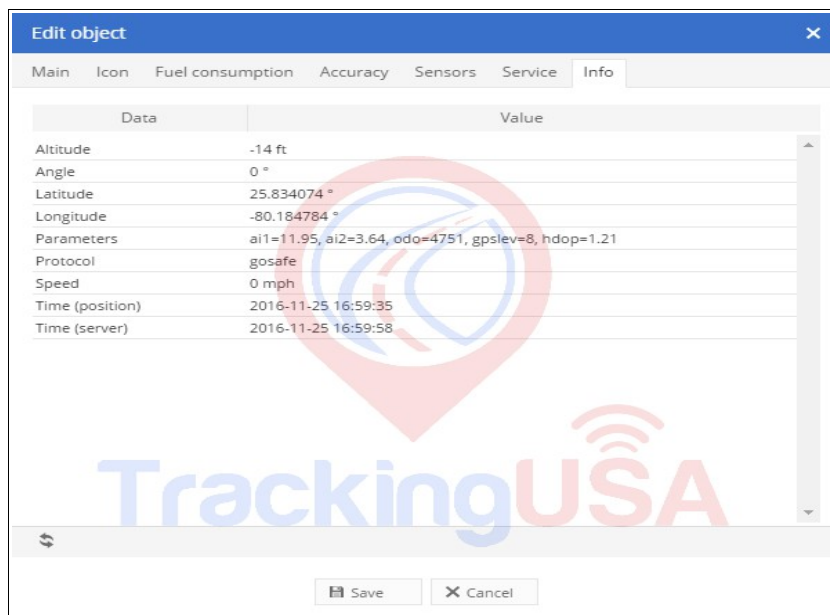
•**Update last service** - automatically updates information.

Current object counters

•**Current odometer (km)** - current odometer results.

•**Current engine hours (h)** - current engine hours results.

Info:



Data	Value
Altitude	-14 ft
Angle	0 °
Latitude	25.834074 °
Longitude	-80.184784 °
Parameters	ai1=11.95, ai2=3.64, odo=4751, gpslev=8, hdop=1.21
Protocol	gosafe
Speed	0 mph
Time (position)	2016-11-25 16:59:35
Time (server)	2016-11-25 16:59:58

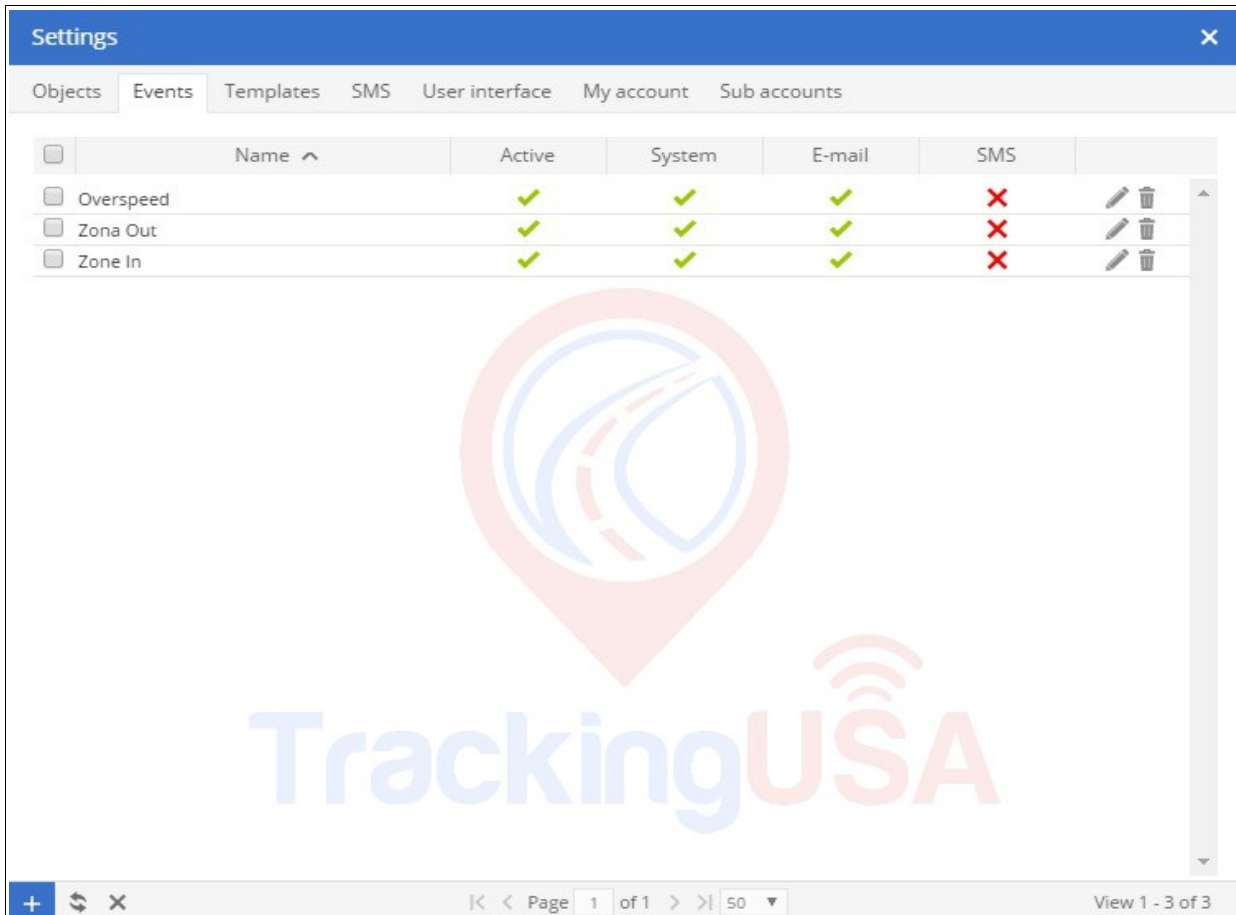
More details about object, coordinates, speed, time etc.

Events management:







Events are used to simplify vehicles monitoring. They inform you about breaking setted rules like overspeeding and when vehicle leaves or enters selected zone. This is very useful tool to monitor.

Create event

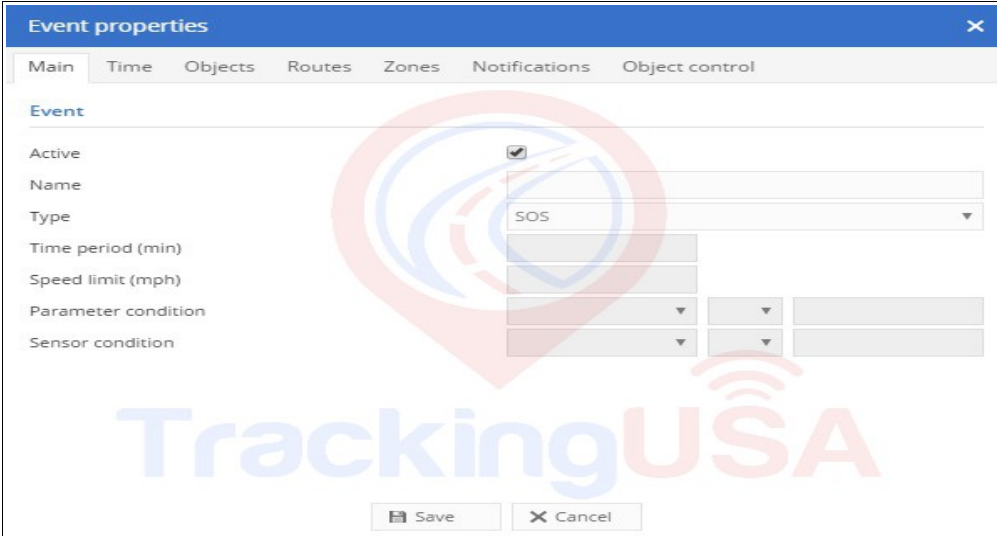
In Events tab left bottom corner press + button.



The screenshot shows the 'Settings' window with the 'Events' tab selected. The window title is 'Settings' and it has a close button (X) in the top right corner. The navigation bar includes 'Objects', 'Events', 'Templates', 'SMS', 'User interface', 'My account', and 'Sub accounts'. The main content area displays a table of events with columns for Name, Active, System, E-mail, and SMS. There are three rows: 'Overspeed', 'Zona Out', and 'Zone In'. Each row has a checkbox on the left and edit/delete icons on the right. The 'Active' column shows green checkmarks for all events. The 'System' column shows green checkmarks for all events. The 'E-mail' column shows green checkmarks for all events. The 'SMS' column shows red X marks for all events. A large, semi-transparent TrackingUSA logo is overlaid on the bottom half of the window. The footer shows a page navigation bar with a plus sign, a refresh icon, a close icon, and the text 'Page 1 of 1' and '50'. The bottom right corner shows 'View 1 - 3 of 3'.

<input type="checkbox"/>	Name ^	Active	System	E-mail	SMS	
<input type="checkbox"/>	Overspeed	✓	✓	✓	✗	 
<input type="checkbox"/>	Zona Out	✓	✓	✓	✗	 
<input type="checkbox"/>	Zone In	✓	✓	✓	✗	 

Main settings:



- **Active** - Turns on and off event.
- **Event name** – Name of the event.
- **Event type** - .
- **Events listed below must be supported by GPS device:**
- **SOS** - notification of SOS alarm button.
- **Bracelet on** - event is triggered if handcuffs are fastened.
- **Bracelet off** - event is triggered if handcuffs are opened.
- **Man down** - triggered if object lies on the ground.(specific equipment)
- **Shock** - event is triggered if GPS device was shaken.
- **Tow** - event will be sent if GPS device detects vehicle movement with turned off ignition.
- **Power cut** - event is triggered if GPS device power leads were disconnected.
- **GPS antenna cut** - event is triggered if device GPS antenna is cut, not connected or broken.
- **Signal jamming** - event is triggered if GPS device detects signal jamming.
- **Low DC** - event is triggered if GPS device DC is too low.
- **Low battery** - event is triggered if battery voltage is too low.
- **Harsh accelerati on** - event is triggered if GPS device detects sudden vehicle acelereration.
- **Harsh braking** - event is triggered if GPS device detects sudden vehicle braking.**Harsh cornering** - event is triggered if GPS device detects sudden vehicle cornering.
- **Parameter** - event is triggered if parameter received from device meets set condition.
- **Sensor** - event is triggered if sensor meets set conditions.

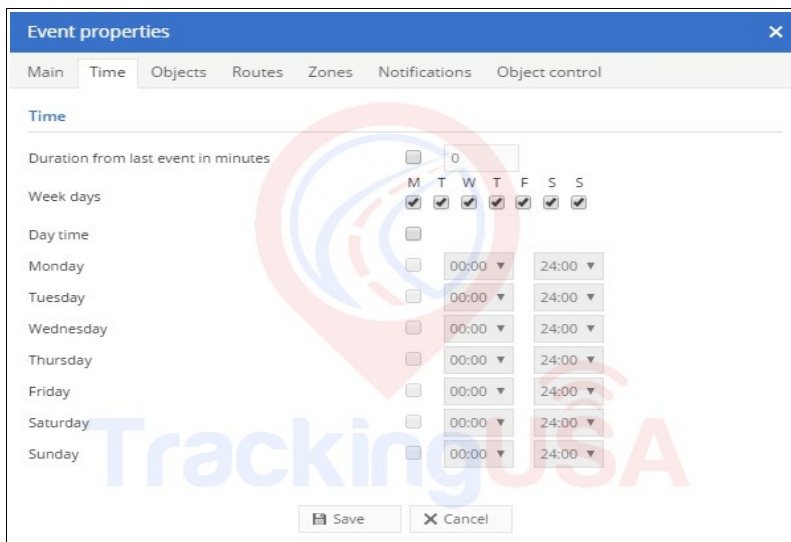
Events listed below are independent from GPS device:

- **Connection yes** - event is triggered if GPRS connection with GPS device was established.
- **Connection no** - event is triggered if GPRS connection with GPS device was lost.
- **GPS yes** - event is triggered if connection with GPS device was established.
- **GPS no** - event is triggered if connection with GPS device was lost.
- **Overspeed** - vehicle exceeded predefined speed.
- **Underspeed** - vehicle have slowed down below the specified speed.
- **Service** - allows to set a reminder about vehicle maintenance work (**example:** change engine oil).
- **Route in** - vehicle crossed predefined route.
- **Route out** - vehicle distanced from predefined route.
- **Zone in** - vehicle entered zone.
- **Zone out** - vehicle left zone.
- **Time period (min)** - event will be triggered if there is no GPRS connection for set period of time. Event works with "connection: no" event.
- **Speed limit (kph)** - sets speed limit, works with overspeed and underspeed events.
- **Parameter condition** - select event type "parameter" and set conditions of event triggering.
- **Sensor condition** - select event type "sensor" and set conditions of event triggering.

Time:

There are two types of time options for event.

- **Week days** - event will be active only on chosen days.

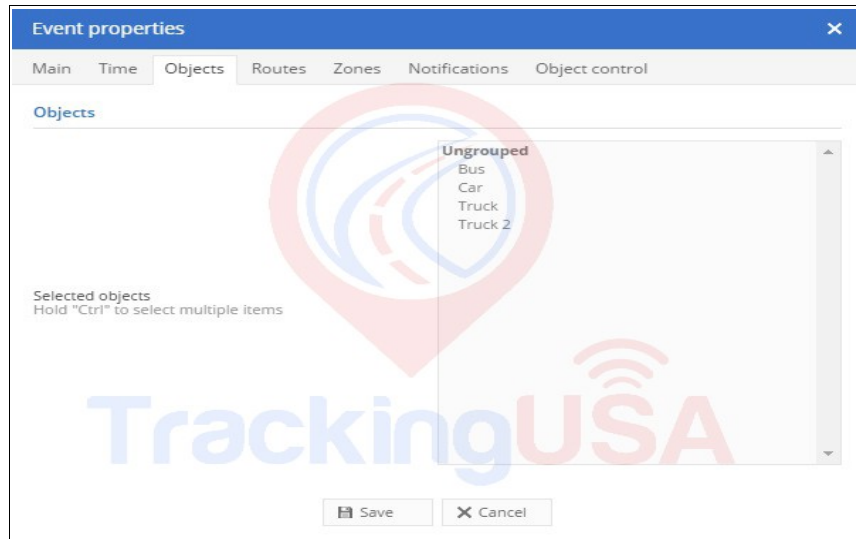


The screenshot shows the 'Event properties' dialog box with the 'Time' tab selected. The 'Duration from last event in minutes' is set to 0. The 'Week days' section has checkboxes for all days of the week (M, T, W, T, F, S, S), all of which are checked. The 'Day time' section has checkboxes for each day of the week, all of which are unchecked. For each day, there are two time range dropdown menus, both set to '00:00' and '24:00'. At the bottom, there are 'Save' and 'Cancel' buttons.

- **Day time** - event will be active in set period of time.

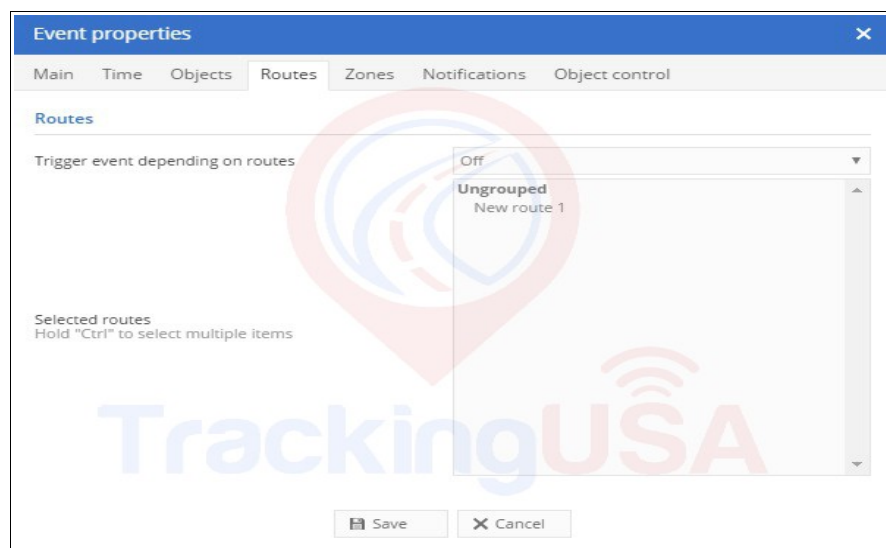
Objects:

Selected objects - select vehicle for which event is created. To select multiple objects keep "Ctrl" button pressed.

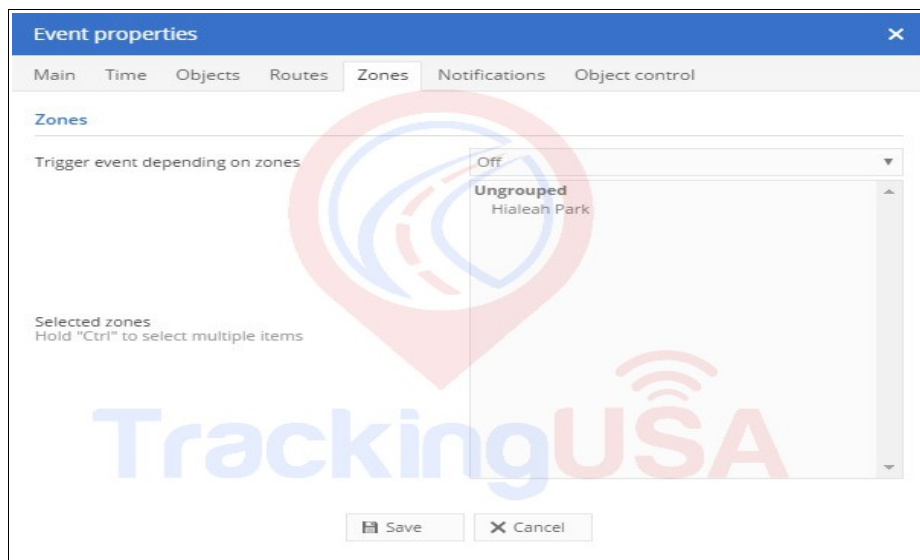


Routes:

Select routes - select route from list (learn how to create routes). For multiple selection keep "Ctrl" button pressed.



Zones:



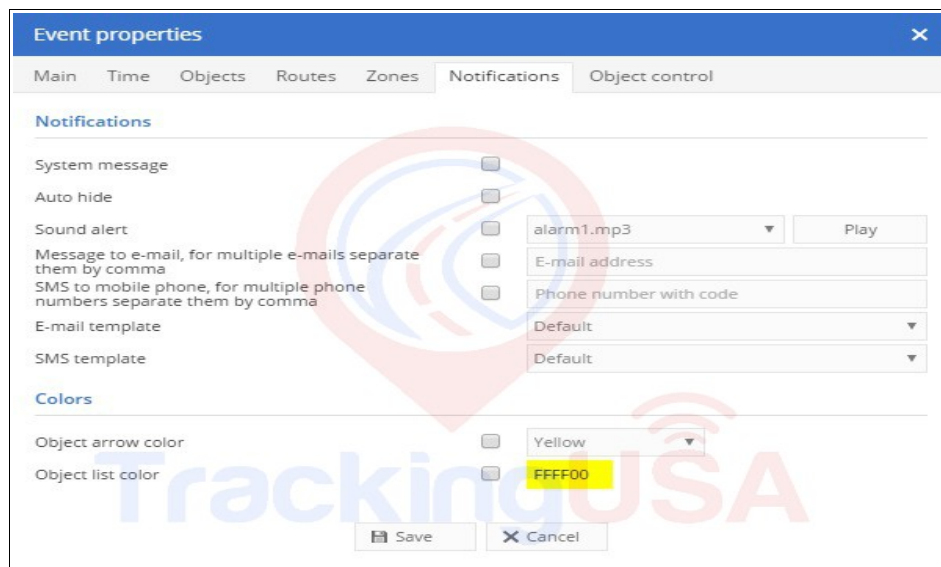
Trigger event depending on zones

•**Off** -disable dependency.

•**In selected zones** - event will be associated only to selected zones.

•**Out of selected zones** - event will be associated to all zones except selected ones.

•**Selected zones** - select zone from list (learn how to create zone). For multiple selection keep "Ctrl" button pressed.



Notification about event:

System message - turns on and off system message. Note: system message will be seen only in used browser window.

•**Auto hide** - automatically hide message after some period of time.

•**Sound alert** - choose notification sound.

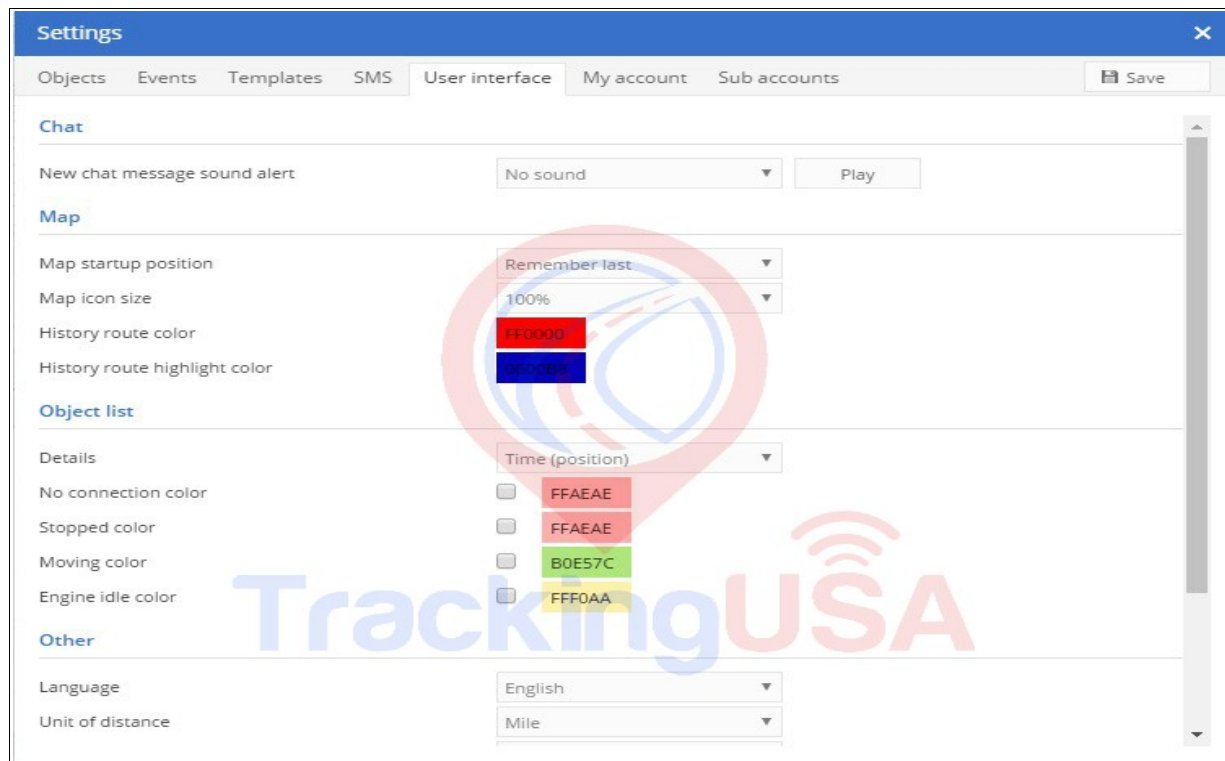
•**Message to e-mail box** - turns on and off message to e-mail which is triggered by selected event. **Note:** notification may be sent to different e-mails, separate e-mail addresses with comma.

•**SMS to mobile phone** - sends event message via SMS. **Note:** SMS gateway must be configured.

•**Email template** - choose template, which will be used for email notifications. Email templates can be created in settings, templates tab.

•**SMS template** - choose template, which will be used for SMS notifications. SMS templates can be created in settings, templates tab.

User interface:



Settings

Objects Events Templates SMS **User interface** My account Sub accounts Save

Chat

New chat message sound alert: No sound [Play]

Map

Map startup position: Remember last

Map icon size: 100%

History route color: FF0000

History route highlight color: 0000FF

Object list

Details: Time (position)

No connection color: FFAEAE

Stopped color: FFAEAE

Moving color: B0E57C

Engine idle color: FFF0AA

Other

Language: English

Unit of distance: Mile

User interface section allows to set map settings, language, measurement units and time zone.

Chat

Choose chat message sound.

Map.

Remember last map position - every time you login to system user interface map will be in the same place you left it (this option requires browser to accept cookies).

History route color - color of route viewed in history.

History route highlight color - color of highlighted route viewed in history.

Language - user interface language.

Unit of distance - select miles or kilometres as distance measuring units.

Unit of capacity - select litres or gallons as capacity measuring units.

Unit of temperature - select Celsius or Fahrenheit as temperature measuring scale.

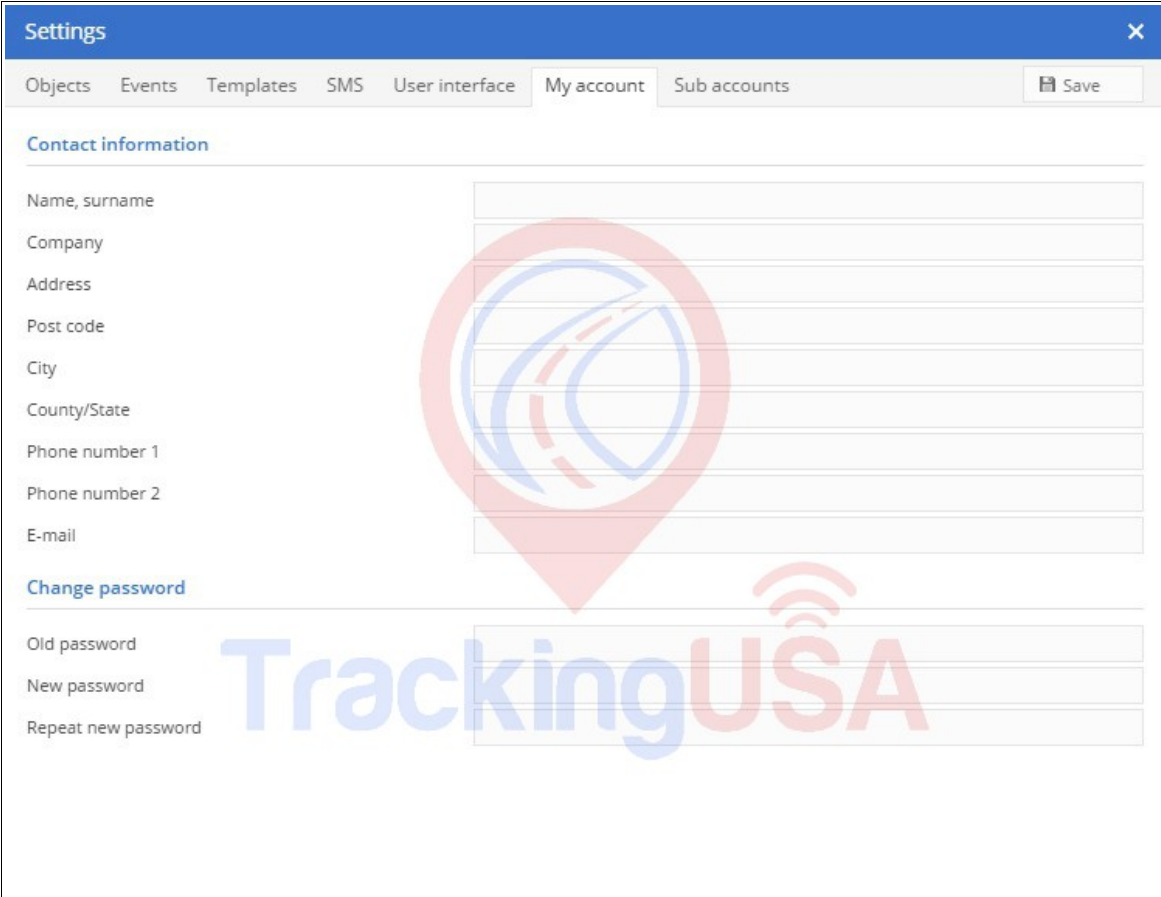
Currency - currency appears with fuel consumption cost.

Time zone - Indicate your time zone accurately because all time values are displayed in accordance with time zone selected. Make sure that your GPS device time zone is set to 0 UTC.

Daylight saving time (DST) - or summer time is the practice of advancing clocks during summer months by one hour so that evening daylight lasts an hour longer, while sacrificing normal sunrise times. Typically, regions with summer time adjust clocks forward one hour close to the start of spring and adjust them backward in the autumn to standard time.

My account:

My account section allows you to enter personal information and change the account password.



Settings

Objects Events Templates SMS User interface My account Sub accounts Save

Contact information

Name, surname

Company

Address

Post code

City

County/State

Phone number 1

Phone number 2

E-mail

Change password

Old password

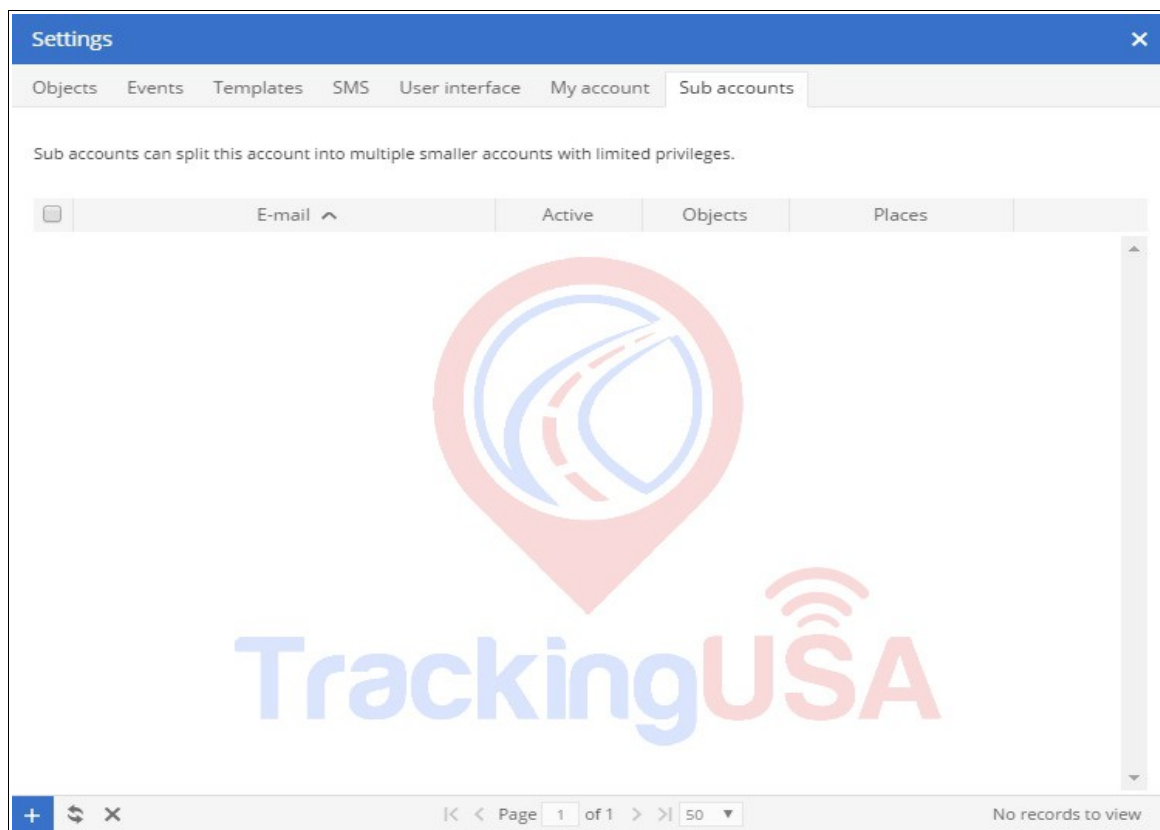
New password

Repeat new password

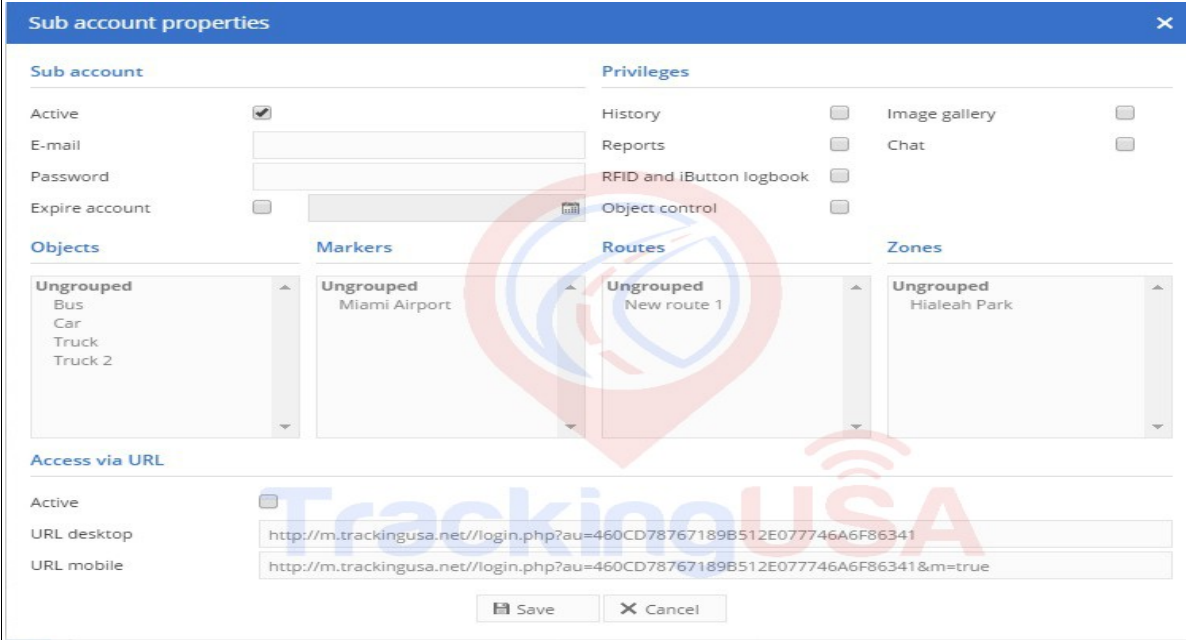
Sub accounts:

It will create secondary accounts with limited privileges, for example: see a specific vehicle and specific areas.

To create a new secondary account press the + button in the lower left corner.



Sub account properties window will appear.



Sub account

- **Active** - turn sub account on or off.
- **E-mail** - set e-mail that will be used to login to sub account.
- **Password** - set password.
- **Expire account** - Due date of the account. When this date arrives the account is deactivated.

Privileges

- **History** - allow sub account user to view history section.
- **Reports** - allow sub account user to view reports section.
- **RFID and iButton logbook** - allow sub account user to view logbook section.
- **Object control** - allow sub account user to view object control section.
- **Image gallery** - allow sub account user to view image gallery section.
- **Chat** - allow sub account user to view chat section.

Objects

List of available objects, select one or few that will be monitored in your sub account.

Markers

List of available markers, select one or few that will be monitored in your sub account.

Routes

List of available routes, select one or few that will be monitored in your sub account.

Zones

List of available zones, select one or few (hold "Ctrl" key to select multiple items) that will be monitored in your sub account.

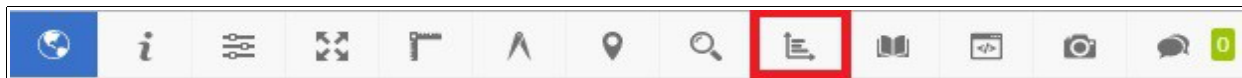
Access via url

Simple way to access account via URL without need to login, two urls provided for standard and mobile interface version.

Reports:

Reports related to vehicle activity during the selected time period.

From top panel:



Reports
✕

+ New
Save
Generate

Report

<p>Name: <input type="text"/></p> <p>Type: General information ▼</p> <p>Format: HTML ▼</p> <p>Show coordinates: <input checked="" type="checkbox"/></p> <p>Show addresses: <input type="checkbox"/></p> <p>Zones instead of addresses: <input type="checkbox"/></p> <p>Stops: > 1 min ▼</p> <p>Speed limit (mph): <input type="text"/></p>	<p>Objects Zones Data items Sensors</p> <p>Ungrouped</p> <ul style="list-style-type: none"> Bus Car Truck Truck 2
--	--

Schedule

Daily:

Weekly:

Send to e-mail:


Time period

Filter: Today ▼

Time from: 2017-01-05

Time to: 2017-01-06

	Name ^	Type	Format	Objects	Zones	Schedule	
<input type="checkbox"/>	Reports Truck2	Drives and stops	HTML	1	0	✓	✕





Name – name of the report.

•**Type** - choose report type.

•**General information** - report provides basic information like: route length, top speed, average speed, consumed fuel and etc.

•**General information (merged)** - general report information is shown in a row.

•**Drives and stops** - provides the same information as general report but adds objects stops and driving information, like address where object stopped, duration of intervals between stops and etc.

•**Travel sheet** - provides coordinates and addresses of stops, length between stops and object fuel consumption.

•**Overspeeds** - all recorded cases of speeding will be reflected in report as well as additional information such as how much speed has been exceeded, excess time and etc.

•**Underspeeds** - all recorded cases of underspeeding will be reflected in the report.

•**Zone in/out** - entry time in each zone, exit time out of zone, stay time in zone. This option requires to select zones.

•**Events** - provides events information: time, event name coordinates and address.

•**Service** – provides service information.

•**Format** - select format in which report will be generated: HTML (for viewing in browser) or XLS (for viewing and editing in Microsoft Excel).

•**Show coordinates** - show the coordinates in the report.

•**Show addresses** - addresses will be shown in reports near to location points.

•**Zones instead of addresses** - zone names will be shown in reports instead of addresses.

•**Stops** – indicate the time of stops that are included in the report, used to eliminate the short stop.

•**Speed limit (kph)** - set speed limit for Overspeed and Underspeed reports.

Time period

•**Filter** - set time period of report.

•**Time from/ Time to** - set time period of report.

Schedule

•**Daily** - reports will be sent daily for previous day.

•**Weekly** - reports will be sent weekly, every Monday for previous week.

•**Send to e-mail** - enter e-mail addresses separated by comma to send reports to.

Objects

Select object or objects for which you want to create report. Hold "Ctrl" key for multiple selection.

Data items

Choose data items which will be displayed in report. Hold "Ctrl" key for multiple selection.

Zones

This option allows to select zones whose details will be seen in report. Zone selection is available only if Report type Zone in/out is chosen. Hold "Ctrl" key for multiple selection.

Sensors

Choose sensors which will be displayed in report. Hold "Ctrl" key for multiple selection.

History:

The History section allows you to obtain all the information related to the vehicle days back stored in our servers (route, stops, direction, time, zones).

You can create routes from a History.

Export and import a history.

Objects
Events
Places
History

Object Truck 2 ▼

Filter Last month ▼

Time from 2016-12-01 00 ▼ 00 ▼

Time to 2017-01-01 00 ▼ 00 ▼

Stops > 1 min ▼

Show
Hide
Import/Export

	Time	Information
	2016-12-01 00:03:43	
	2016-12-01 00:03:43	9 h 53 min 33 s
	2016-12-01 09:57:16	36 s
	2016-12-01 09:57:52	1 min 30 s
	2016-12-01 09:59:22	2 min 0 s
	2016-12-01 10:01:22	1 min 15 s
	2016-12-01 10:02:37	5 min 30 s
	2016-12-01 10:08:07	1 min 15 s
	2016-12-01 10:09:22	1 min 45 s
	2016-12-01 10:11:07	18 min 4 s
	2016-12-01 10:29:11	15 min 6 s
	2016-12-01 10:44:17	1 min 30 s
	2016-12-01 10:45:47	1 min 45 s

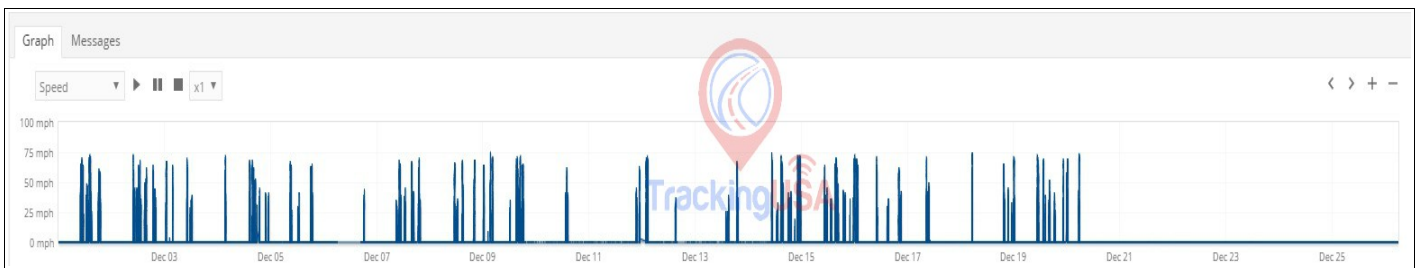
- **Object** - select vehicle whose history you want to display.
- **Filter** - simple way to set time period of report.
- **Time From/Time to** - precise way to set time period of report.
- **Stops** - set time of stops that will be included in report, used to eliminate traffic light stops.
- **Events** - include/exclude events in reports.
- **Show** - show history.
- **Hide** - hide history.
- **Load GSR** - load history data from .gsr file.
- **Export GSR** - export history data to .gsr file.
- **Export to KML** - export history data to .kml file.
- **Export to GPX** - export history data to .gpx file.
- **Export to CSV** - export history to .csv file.

Explanation of graphic elements

Each object action is marked with icon.

- Route start - beginning of the route.
- Route end - the end of the route.
- Route drive - object is moving.
- Route stop - object doesn't move.
- Event - event information.

Graph:



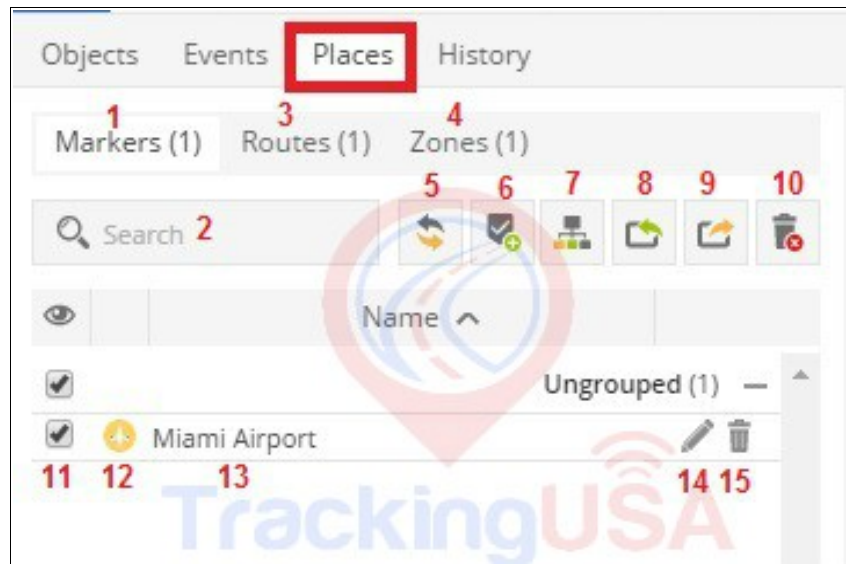
<input type="checkbox"/>	Time (position) ▾	Time (server)	Latitude	Longitude	Altitude	Angle	Speed	
<input type="checkbox"/>	2016-12-26 06:02:11	2016-12-26 06:02:08	25.72924	-80.316824	-66	0	0	ai1=11.83, ai2=4.03, odo=6043, gpslev=6, hdop=1.63
<input type="checkbox"/>	2016-12-26 05:57:11	2016-12-26 05:57:09	25.72924	-80.316824	-66	0	0	ai1=11.83, ai2=4.03, odo=6043, gpslev=6, hdop=1.63
<input type="checkbox"/>	2016-12-26 05:52:11	2016-12-26 05:52:10	25.72924	-80.316824	-66	0	0	ai1=11.83, ai2=4.03, odo=6043, gpslev=6, hdop=1.63
<input type="checkbox"/>	2016-12-26 05:47:11	2016-12-26 05:47:11	25.72924	-80.316824	-66	0	0	ai1=11.78, ai2=4.03, odo=6043, gpslev=6, hdop=1.63
<input type="checkbox"/>	2016-12-26 05:42:11	2016-12-26 05:42:09	25.72924	-80.316824	-66	0	0	ai1=11.83, ai2=4.03, odo=6043, gpslev=6, hdop=1.63

|< Page 1 of 374 >| 50 ▾

In the history chart you can see the speed, sensors, view the history automatically by pressing the play button, you can also see the messages point by point.

Places:

In this section we can mark important places on the map, create routes and zones. These can then be used in events to control vehicles, in reports to get detailed information on a particular vehicle. For example, when the vehicle reaches the desired point, when entering and exiting an area.

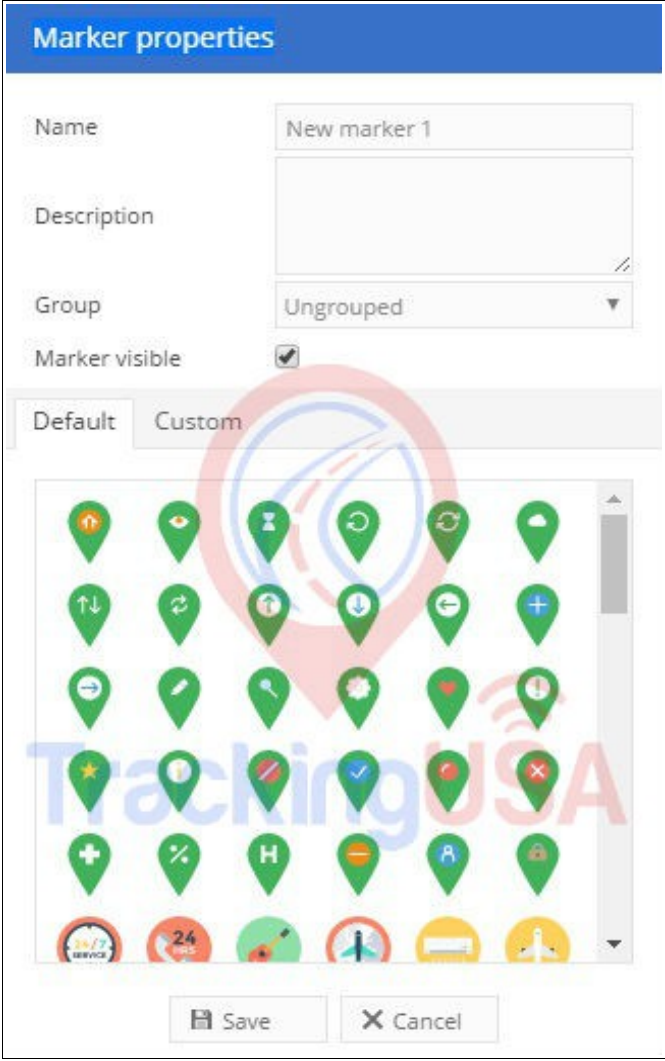


- 1).Markers.
- 2).Search.
- 3).Routes.
- 4).Zones.
- 5).reload entries.
- 6).Create entry.
- 7).Groups.
- 8).Import.
- 9).Export.
- 10).Delete all entries.
- 11).Visibility checkbox.
- 12).Marker icon or color zone.
- 13).Place name.
- 14).Edit.
- 15).Delete marker or zone.

Markers:

Add marker

To add marker to map click markers icon in places tab. Marker properties window will appear.




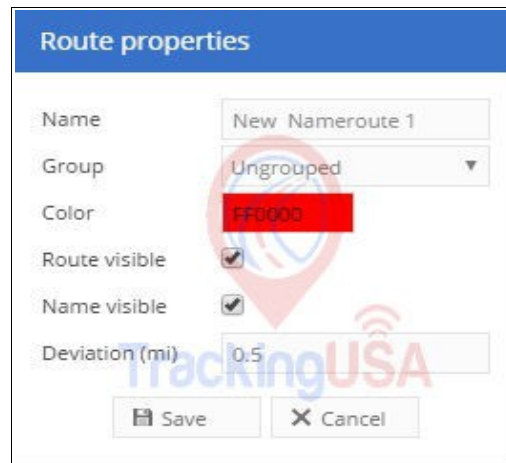
The image shows a 'Marker properties' dialog box with the following fields and options:

- Name:** A text input field containing 'New marker 1'.
- Description:** A text area for entering a description.
- Group:** A dropdown menu currently set to 'Ungrouped'.
- Marker visible:** A checked checkbox.
- Icon Selection:** Two tabs, 'Default' and 'Custom', are visible. Below them is a grid of various icons (e.g., location pin, eye, magnifying glass, star, etc.) for selection.
- Buttons:** 'Save' and 'Cancel' buttons are located at the bottom of the dialog.

Enter the name, we can add a description, select an icon to our taste, we can also use a custom and click save.

Routes:

Press add route button . Route properties window will appear. Enter name and color in which route will be visible on map.



The 'Route properties' dialog box contains the following fields and controls:


- Name: Text input field containing 'New Nameroute 1'
- Group: Dropdown menu showing 'Ungrouped'
- Color: Color selection field showing 'FF0000' (red)
- Route visible: Checkmark
- Name visible: Checkmark
- Deviation (mi): Text input field containing '0.5'
- Buttons: 'Save' and 'Cancel'

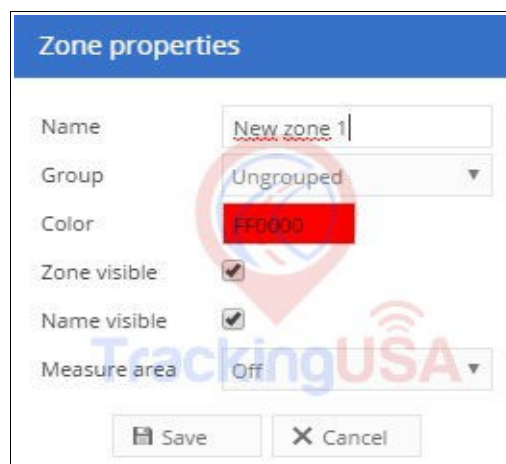
Mouse click on map will add route point.

Double click will add last point.

Drag points to modify route. Move mouse cursor onto point and press "Del" key on keyboard to remove it. Save changes.

Zones:

Press draw zone button . Zone properties window will appear. Enter name and color in which marker will be visible on map.



The 'Zone properties' dialog box contains the following fields and controls:


- Name: Text input field containing 'New zone 1'
- Group: Dropdown menu showing 'Ungrouped'
- Color: Color selection field showing 'FF0000' (red)
- Zone visible: Checkmark
- Name visible: Checkmark
- Measure area: Dropdown menu showing 'Off'
- Buttons: 'Save' and 'Cancel'

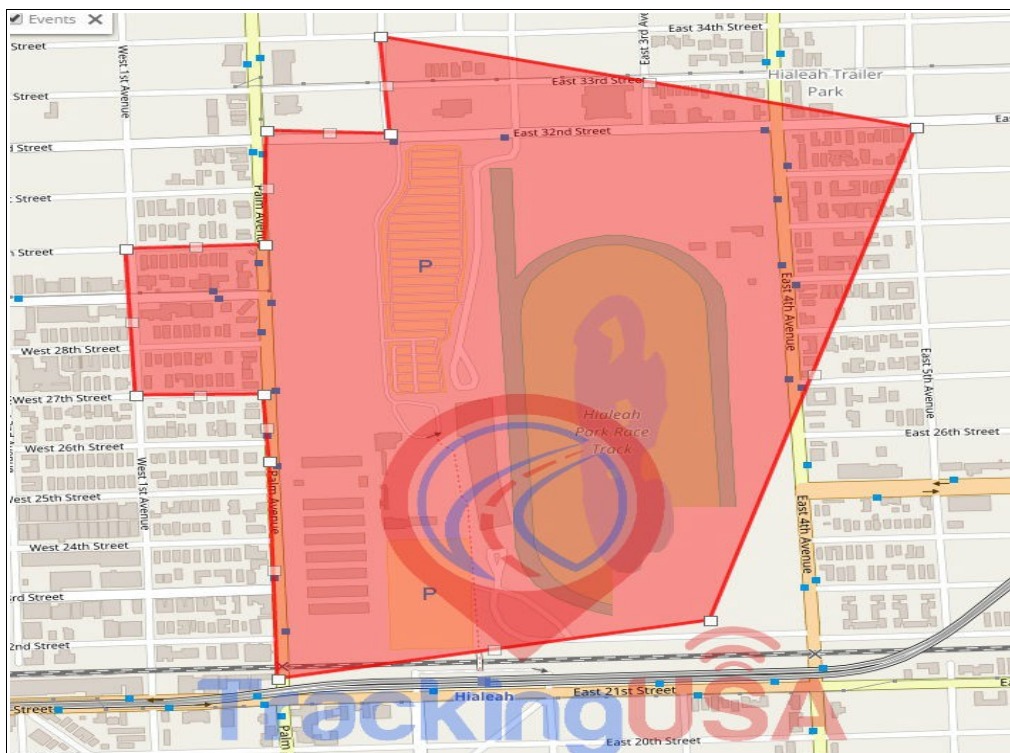
Mouse click on map will add zone point.

Double click will add last point.

Drag points to modify zone. Move mouse cursor onto point and press "Del" key on keyboard to remove it. Save changes.

Edit zone:

Press edit button  of zone which you want to modify. Zone points will appear.



Drag any point to desired position.

•Save changes.