Service. Setting and Application of Geofences

User Manual

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Necessary Tools, Devices, Materials

To set geofences one may need:

1. Galileosky tracking device of satellite monitoring (hereinafter - tracking device) of one of the versions. Detailed user manual on connection and setting can be found in the following link: https://galileosky.com/podderzhka/dokumentacziya.html

2. A computer running Windows with the installed service program of configuration of Galileosky tracking devices-"Configurator". We recommend you to install the latest version of the service program in our site https://galileosky.com/podderzhka/programmyi.html

3. Mini-USB cord.
**General Information**

Galileosky tracking devices 1.x, 2.x, 5.x (hereinafter – tracking device, device) with a standard firmware have a functionality to set geofences and configure the operation modes on them. It is possible to set up to 40 geofences (firmware 229 or lower), up to 300 geofences (firmware 230 or higher).

A geofence is a circular area on a map, which is described by the coordinates of the centre and by the radius being not more than 65535 meters. The same operation mode is used for each geofence.

Galileosky Base Block and 7.0 tracking devices can be set to work with geofences by means of Easy Logic technology [https://galileosky.com/products/easylc.png](https://galileosky.com/products/easylc.html). In this case, it is possible to set various operation modes for different geofences, the amount of geofences can be over 300 (if an SD-card is used), you can also create geofences of not a circular shape (polygonal).
Geofences Configuring in the Configurator

Go to the "Settings" tab-> "Geofence" of the Configurator service program and set the necessary parameters (Pic. 1):

To describe each geofence, you must enter the latitude, longitude, and radius of the circle you want to get, but the radius should be not more than 65535 meters.
Installation of operation modes in Geofences.

Select the behaviour mode of the tracking device in the Geofences (Pic. 2).

- If you choose "disable coordinates updating", the tracking device, after entering the Geofence, sends the last received coordinates to the server at the time of arrival. This configuration of the device can be useful if the map in the monitoring should not reflect the track movement of the car, for example, the territory of some "closed" objects;
- If you choose "turn off GSM-module", the tracking device is disconnected from the server during its stay in the Geofence (Pic. 3):

This mode of operation may be necessary if the vehicle is somewhere in the garage where the GSM connection is completely absent or has a low level. Disabling the module allows to reduce data traffic during the constant attempts of the tracking device to establish connection with the server in such conditions.

Click the "Apply" button to bring the settings into effect.
Another option of using Geofences is to set up the Galileosky camera if it is connected to the tracking device. Go to the "Settings" tab-> "Digital inputs" of the Configurator and set the necessary parameters (Pic. 4):

![Picture 4: Setting camera shooting parameters using Geofences]

This setting may be necessary in passenger transport, for example, when you turn on the territory of the fleet in the Geofence and set up shooting only outside the geofence.

The tracking device is set up for working with Geofences and the tracking device is ready for use.

RSA “Galileosky”, LLC produces satellite monitoring equipment for GPS and GLONASS real time vehicles monitoring. The tracking devices determine the mobile object location recording the time and route as points with geographical coordinates and send the data to the server to be further processed and sent to the traffic controller panel.

In addition, a number of other vehicle parameters are recorded: the state of analog and discrete inputs of the tracking device and the state of digital interfaces.

The tracking devices can be used in any vehicle.