



Switching on Galileosky 5.0, 5.1 Devices for the First Time

User Manual

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Necessary Tools, Devices, Materials

Before connecting the Galileosky Tracking device (hereinafter – tracking device, device) you should have:

1. Power supply: 12V and more, not less than 1 A
2. SIM-card with «GPRS» и «SMS» activated
3. Windows-based computer with installed Galileosky devices configuration software – the Configurator

Preparing of Galileosky Device to Switch-on

Preparing of a tracking device socket unit

Together with a device you get a counterpart of socket and several crimped conductors.

On the back of the case there is a schematic representation of the contacts to be connected and location of main technological holes (Pic. 1).

ATTENTION! The symbol of terminal board key is sometimes perceived as a connection strap between RS232 and RS485 contacts (tracking device v5.0) or Vol0 and 1-Wire (tracking device v2.2.8). Be careful, there should not be any connection strap!

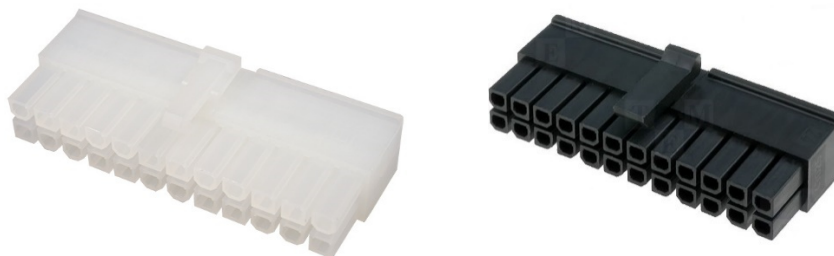


Pic. 1

Scheme of contacts
location

The order of terminal board assembling is as follows:

1. Rotate the terminal board in such a way that the key has been at the top of the socket and the places of conductors connection have been directed towards the user (Pic. 2);



Pic. 2

Terminal boards

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2. Turn the contacts the locking mechanisms up and along the sides and insert them into the socket until clicking position (Pic. 3).



Pic. 3

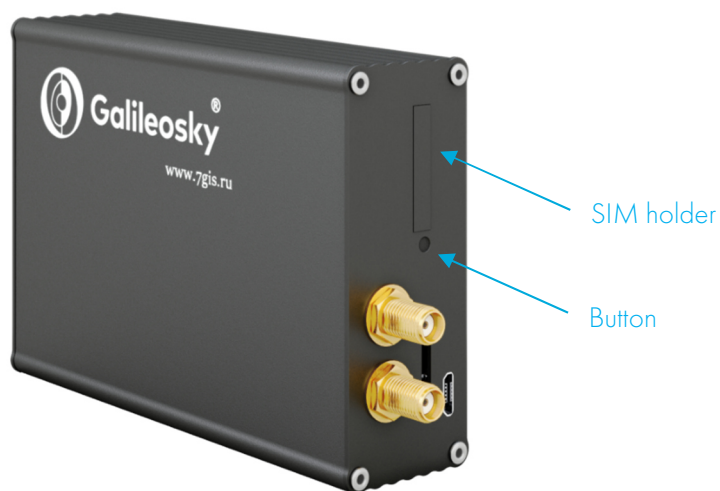
Crimped terminal
conductor

ATTENTION! When you install the conductors observe the polarity – the red wire is used as a positive conductor and the black wire is used as a negative one.

SIM-cards inserting

The order of SIM-cards inserting is the following:

- Press the SIM holder button with something sharp (clip, toothpick) and eject the SIM-holder (Pic. 4);

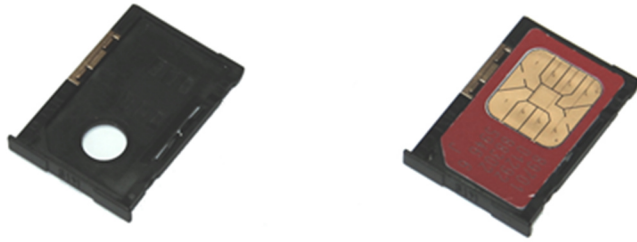


Pic. 4

Ejecting of SIM-holder

- Insert the SIM-card into the holder contacts up (Pic. 5);

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Pic. 5

Inserting the SIM-card

- Carefully without applying excessive force insert the SIM-holder with the card into the tracking device until locking focusing on the key drawn on the tracking device body (Pic. 6).

ATTENTION! Use SIM-cards with activated GPRS and SMS services.



Pic. 6

SIM-card inserting
scheme

Preparing antennas

Together with the Tracking device you get a GSM-antenna and a GLONASS/GPS-antenna. The antennas differ in appearance and functionality. The GSM-antenna (Pic. 7) is a passive one and is connected to the GSM-antenna plug.



Pic. 7

GSM-antennas

The GLONASS/GPS-antenna (Pic. 8) is an active one. It means that it needs a power connection for normal operation. The antenna is connected strictly to the GLONASS/GPS

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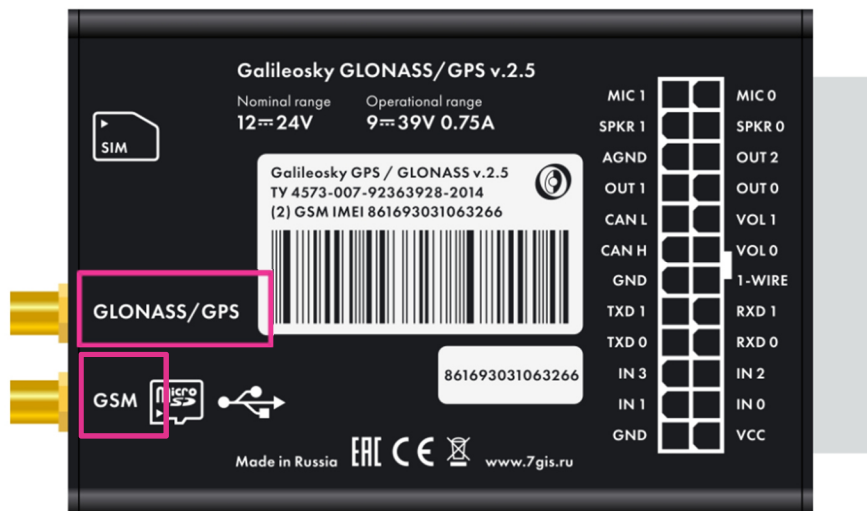
antenna plug. The GLONASS/GPS antenna plug of the tracking device provides the necessary voltage for operation.



Pic. 8

GLONASS/GPS-
antennas

Connect the GSM-antenna and the GLONASS/GPS-antenna to correspondent plugs as it is shown in Picture 9.



Pic. 9

Connecting
GLONASS/GPS-
antenna

Preparing of Device via the Configurator

Before using Galileosky devices you have to configure them with the help of service software "Configurator" (hereinafter – the Configurator). The order of downloading and installation is the following:

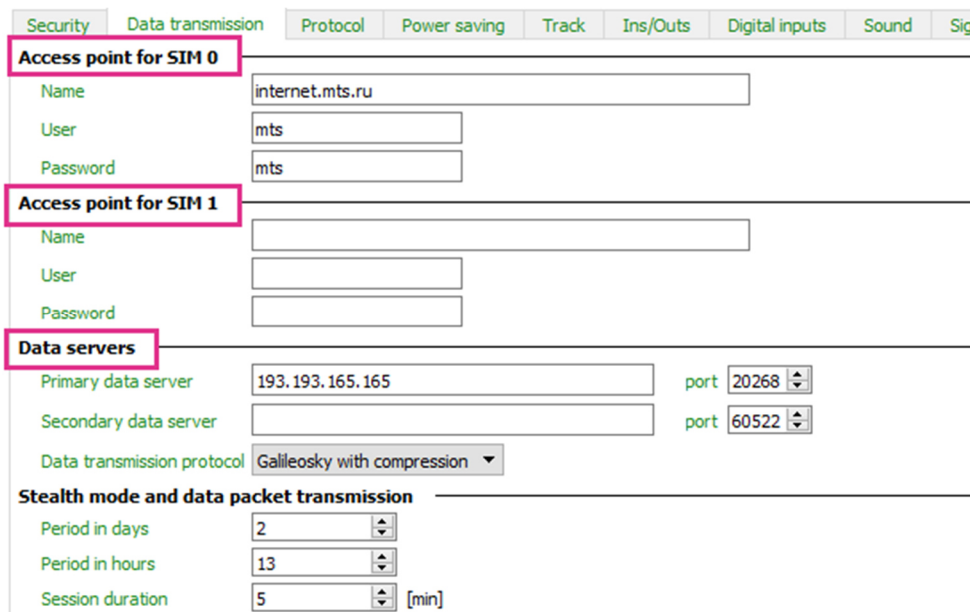
- Turn on the Windows-based computer and go to the Galileosky web-site using the following link <https://galileosky.com/podderzhka/programmyi.html>
- Download the latest version of the Configurator;
- Install the Configurator on the computer with administrator rights;
- Authorize the Configurator to work through the Internet in operating system settings;

After installation of the Configurator you can start device settings:

- Apply the voltage from 12V to the tracking device and connect it to the computer via USB cable;

ATTENTION! The power is not fed through USB-interface. The device must be connected to the external power supply.

- Start the Configurator and move to "Settings" tab -> "Data transmission" tab (Pic. 10);
- Set APN of the chosen cellular service provider;
- Configure the data processing monitoring server and the port through which it works;
- press "Apply" button;
- Reboot the device by pressing the "Restart the device" button in the "Device" tab of the Configurator.



Security	Data transmission	Protocol	Power saving	Track	Ins/Outs	Digital inputs	Sound	Sig
Access point for SIM 0								
Name	internet.mts.ru							
User	mts							
Password	mts							
Access point for SIM 1								
Name								
User								
Password								
Data servers								
Primary data server	193.193.165.165	port	20268					
Secondary data server		port	60522					
Data transmission protocol	Galileosky with compression							
Stealth mode and data packet transmission								
Period in days	2							
Period in hours	13							
Session duration	5 [min]							

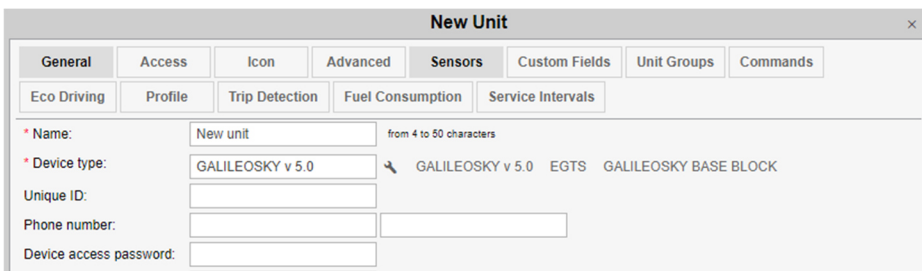
Pic. 10

Data transmission setting

Monitoring Software Setting

The next step is to configure the monitoring program to which the data from the device should be sent. The settings order is the following:

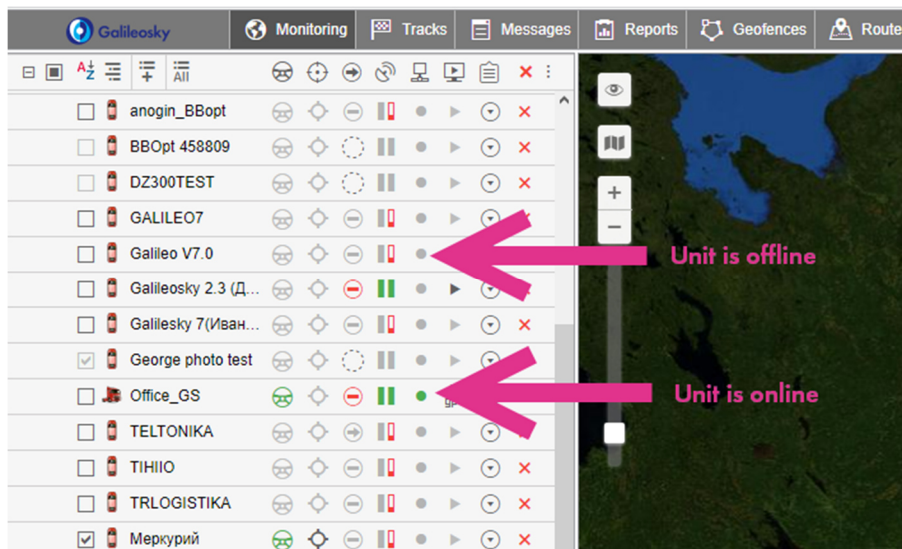
- Start the monitoring program and go to monitoring object creation section;
- Specify the name of the object (any), type of the object «GALILEOSKY v 5.0», in unique ID field enter the IMEI of the device;



Pic. 11

Monitoring object setting

Initial setup is completed. Go to the “Monitoring” tab and check the monitoring object state (Pic. 12).

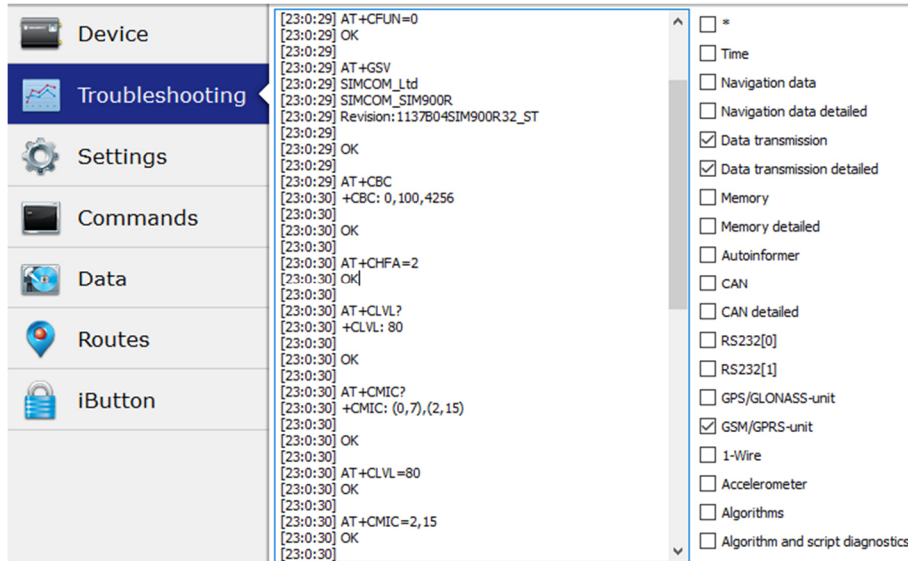


Pic. 12

Monitoring Software tab

In case of any failure, it is possible to view the information about the operation of the device in the “Troubleshooting” tab of the Configurator. To execute the troubleshooting put ticks in the entries required.

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Pic. 13

Troubleshooting tab

The device is ready to operate.

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.