1. General information

This quick start guide applies to the car tracker **GPS/GLONASS/GSM MT-865 LITECAN** (hereinafter referred to as the "tracker")

Table 1. Specifications

Parameter	Value	Comment
Power		
Supply voltage	9 ÷ 36 B	
Average current consumption (24V)	до 125 мА	online monitoring
	до 45 мА	standby
Built-in battery capacity	250 mAh	supplied as an option
Built-in battery life time	Up to 1 hour	depends on settings and ambient temperature
Operating conditions		
Working temperature range	-40 ÷ +85 °C	with data transfer to the server
	-10 ÷ +65 °C	working from backup battery
	0 ÷ +45 °C	charge battery protection
Case protection degree	IP40	
Mass and overall characteristics		
Terminal weight	300 grams	
Case size	88x72x24 mm	
Built-in sensors and modules		
The amount of non-volatile memory	2 Mbyte	
Number of entries in the telemetry log	Up to 200 000	
Accelerometer	+	
Traffic encryption function	+	
Ports and interfaces		
Inputs	4	For reading digital, analog, frequency and counter value
Outputs	2	Open collector type, switching voltage up to 65 V, current up to 200 mA
RS-485	1	
CAN	1	
USB	+	for tracker settings management

2. Indication

On the tracker board there are three LED indicators visible from the outside of the housing to control the operation of the tracker. The purpose of the indicators is shown in Figure 1 and described in Table 2
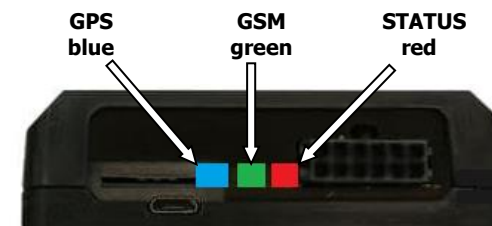

Figure 1. Purpose of indicators

Table 2.

Indicator status	Tracker status
Blue GPS indicator	
Off	Off/ Power saving mode
Flashing **blue** 1 time per second - - - - -	Searching and capturing GPS signals
Flashing **blue** once every 5 seconds - - - -	Position detected
GSM indicator green	
Off	Off / Power saving mode
Flashing **green** 1 time per second - - - - -	Search and registration in the GSM network
Flashing **green** once every 5 seconds - - - -	Registered in the GSM network
Glows **green** constantly ————	There is an exchange of information with one of the Servers
STATUS indicator red	
Off	No external power / in "Hibernation" mode
Glows **red** constantly ————	There is external power
Flashes **red** once every 5 seconds - - -	Power saving mode
Flashes **red** 1 time per second - - - - -	USB powered

3. Diagram of the interface connector

Scheme of the interface connector (view from the side of the tracker contacts) (Figure 2):

key

Figure 2. MT-865 LITECAN Interface Connector

Table 3.

№ pin	Wire color	Function
1	Black	Power GND ("-")
2	Blue	RS-485 B
3	-	CAN H
4	-	Universal port 0 (P0+ D, F, C, A)
5	Yellow	Universal port 2 (P2+ D, F, C, A)
6	-	Output P4
7	Red	Power VCC ("+")
8	blue-white	RS-485 A
9	-	CAN L
10	-	Universal port 1 (P1+ D, F, C, A)
11	-	Universal port 3 (P3- 1W, D, F, C)
12	-	Output P5

The mounting kit includes 12-pin mating cable with 5 wires (black, red, yellow, blue, blue-white) installed according to Table 3 and 2 wires with contacts.

4. Installation requirements

- *All actions during installation must be carried out **ONLY WITH THE POWER OFF!***
- ***Do not install the Terminal in places subject to increased heat - this may lead to failure of the backup battery!***
- *Before installation, you must install a SIM card*

5. Preliminary setting of the Terminal

The tracker can be configured in several ways: using the SCOUT-Configurator software, connecting to the tracker via USB, via the Internet or using SMS commands.

To configure the tracker, you will need the SCOUT-Configurator software. This software requires a computer with Windows 10 operating system or newer.

SCOUT-Configurator, Documentation and drivers you can download at this link or QR code **https://8xx.scout-gps.ru/mt865litecan**

Before installation, the following minimum set of parameters must be configured:

Connection settings to the telematics Server:	GPRS settings:	Port settings:
− Server address, − Port, − Server communication protocol	− login, − password, − APN (access point)	− make settings depending on the connected sensors and devices

6. Typical installation scheme