Template:MSP First start config

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Contents

PC Connection (Windows)

1. Power-up MSP500 with **DC voltage (10 – 30 V)** power supply using **supplied power cable**. LED's should start blinking, see "**LED behaviour description**".
2. Connect device to computer using **USB B-Type cable** connection:
    - Using **USB B-Type cable**
        - You will need to install USB drivers, see "**How to install USB drivers (Windows)**"
3. You are now ready to use the device on your computer.

How to install USB drivers (Windows)

1. Please download COM port drivers from Teltonika **here**.
2. Extract and run **TeltonikaCOMDriver.exe**.
3. Click **Next** in driver installation window.
4. In the following window click **Install** button.
5. Setup will continue installing the driver and eventually the confirmation window will appear. Click **Finish** to complete the setup.

Configuration (Windows)

At first MSP500 device will have default factory settings set. These settings should be changed according to the user's needs.
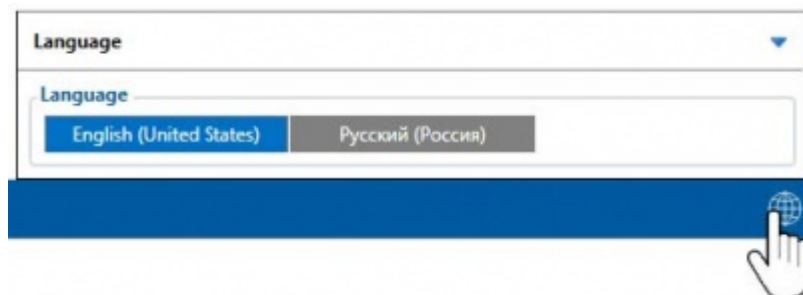Main configuration can be performed via **Teltonika Configurator** software. Get the latest MSP500 **Configurator** version from **here**. Configurator operates on Microsoft Windows OS and uses prerequisite MS .NET Framework. Make sure you have the correct version installed.

MS .NET requirements

Operating system	MS .NET Framework version	Version	Link

• Windows Vista	MS .NET Framework 4.6.2	32 and 64 bit	www.microsoft.com
• Windows 7			
• Windows 8.1			
• Windows 10			

Downloaded **Configurator** will be in compressed archive. Extract it and launch **Configurator.exe**. After launch software language can be changed by clicking in the right bottom corner:

Configuration process begins by pressing on connected device:

After connection to Configurator **Status window** will be displayed:

Various **Status window** tabs display information about **GNSS, GSM, I/O, Maintenance** and etc. MSP500 has one user editable profile, which can be loaded and saved to the device. After any modification of configuration the changes need to be saved to device using **Save to device** button. Main buttons offer following functionality:

1. **Load from device** – loads configuration from device.
2. **Save to device** – saves configuration to device.
3. **Load from file** – loads configuration from file.
4. **Save to file** – saves configuration to file.
5. **Update firmware** – updates firmware on device.
6. **Read records** – read records from device.
7. **Reboot device** – restarts device.
8. **Reset configuration** – sets device configuration to default.

Most important configurator section is GPRS – where all your server and **GPRS settings** can be configured and **Data Acquisition** – where data acquiring parameters can be configured. More details about MSP500 configuration using Configurator can be found **in the manual**.

Quick SMS configuration

Default configuration has optimal parameters present to ensure best performance of track quality and data usage.
Quickly set up your device by sending this SMS command to it:

```
"  setparam
2001:APN;2002:APN_username;2003:APN_password;2004:Domain;2005:Port;2006:0"
```

GPRS settings:

- 2001 – APN
- 2002 – APN username (if there are no APN username, empty field should be left)
- 2003 – APN password (if there are no APN password, empty field should be left)

Server settings:

- 2004 – Domain
- 2005 – Port
- 2006 – Data sending protocol (0 – TCP, 1 – UDP)

Note: Before SMS text, two space symbols should be inserted.

Default configuration settings

Movement and ignition detection:

☒ Vehicle movement will be detected by accelerometer	☒ Ignition will be detected by vehicle power voltage between 13,2 – 30 V

Device makes a record **On Moving** if one of these events happen:

☒ 300 seconds passes	☒ Vehicle turns 10° degrees
☒ Vehicle drives 100 meters	☒ Speed difference between last coordinate and current position is greater than 10 km/h

Device makes a record **On Stop** if:

☒ 1 hour passes while vehicle is stationary and ignition is off

Records sending to server:

☒ If device has made a record it is sent to the server every 120 seconds

After successful SMS configuration, MSP500 device will **synchronize time** and **update records** to **configured server**. Time intervals and default I/O elements can be changed by using [Teltonika Configurator](#) or [SMS parameters](#).