Template:2021 FMB First start config

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Contents

PC Connection (Windows)

FMB1YX device can be connected to PC for configuration in two different ways:

1. **DC with Bluetooth**
   1. Power-up FMB1YX with **DC voltage (10 – 30 V)** power supply using **supplied power cable**. LED's should start blinking, see "**LED behaviour description**".
   2. FMB1YX Bluetooth is enabled by default. Turn on **Bluetooth** on your PC, then select **Add Bluetooth or other device > Bluetooth**. Choose your device named – "**FMB1YX_last_7_imei_digits**", without **LE** in the end. Enter default password **5555**, press **Connect** and then select **Done**.
2. **With Micro-USB cable**
   1. Remove TOP cover
   2. Connect Micro-USB cable to device and connect to computer USB port. LED's should start blinking, see "**LED behaviour description**".

- First time you will need to install USB drivers, see "**How to install USB drivers (Windows)**"
- GSM signal will not be available and device will not open GPRS because TOP casing part is removed and GSM antenna is inserted into TOP casing part.

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 FMB1YX device will have default factory settings set. These settings should be changed according to the user's needs.
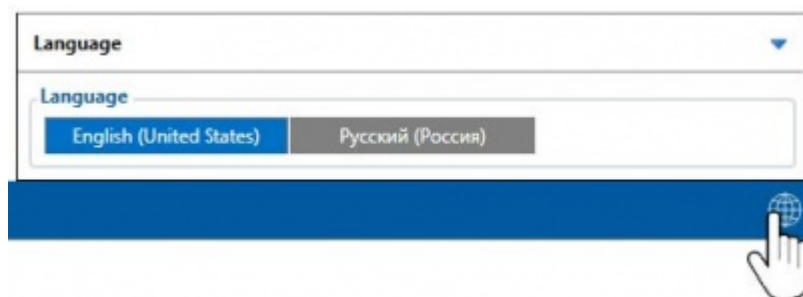Main configuration can be performed via **Teltonika Configurator** software. Get the latest FMB1YX **Configurator** version from **here**. Configurator operates on Microsoft Windows OS and uses

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

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:

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Various **Status window** tabs display information about **GNSS, GSM, I/O, Maintenance** and etc. FMB1YX 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 FMB1YX 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, FMB1YX 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](#).