Template:FMB020 firmware errata

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Contents

Introduction

We are always improving our devices performance, stability and reliability. That's why Teltonika is one of the leading GNSS trackers manufacturers in the world.
This document describes **FMB020** device firmware improvements, changes, new features implementations as well as current firmware release version.

FIRMWARE VERSION	SUPPORTED HARDWARE
03.25.XX	FMB003, FMB002, FMB020
03.27.XX	FMB003, FMB002, FMB020
03.28.XX	FMB003, FMB002, FMB020

Firmware versioning

- Structure

```
FMB(T).VER.[XX].[YY].[ZZ].Rev.[##] _[ID###]
```

- Syntax description
    - XX – major FW version.
    - YY – branch number, shows major changes in firmware, i.e. new module support added or new major feature added.
    - ZZ – major changes like bigger fixes, improvements and new features addition.
    - ## – minor changes like small fixes and improvements.
    - ID[###] – Spec ID KEY – Specific clients FW changes.

Firmware versions

FIRMWARE VERSION	RELEASE DATE	CHANGES

03.28.04.Rev.273 (recommended for FMB020)	2023.09.30	• Improved auto-calibration algorithm • Improved eco-driving scenario algorithm • Improved crash detection algorithm • Trip state saving improvements • SMS/GPRS command "cpureset" protection functionality • MQTT support for AWS IoT Shadow/Custom and Azure IoT added • Improved system stability and fixed general bugs • Base firmware version updated
03.27.12.Rev.93 (recommended for FMB020, FMB002, FMB003)	2022.04.27	• Ultra-deep sleep improvements • Periodic record sending improvements • OBD functionality improvements • Changed default configuration value ranges for eco driving scenario • Improved CAN data reading via Single Wire • AGPS functionality improvements • Improved system stability and fixed general bugs
03.27.07.Rev.94 (recommended for FMB002, FMB020)	2021.09.08	• AGPS functionality improved. • Added new SMS/GPRS debug command obdinfo3. • Exponential filter for OEM Fuel Level was added to reduce fluctuations. • Improved DTC reading when Kline is used. • Base firmware version updated. • Improved OBD DTC reading - receive data from all ECU's, refresh DTC every 60 s.
03.25.17.Rev.95	2020.12.02	• Added new OBD interface support. • Added Low Speed CAN support. • Improved ISOTP protocol communication • Improved movement detection according to the accelerometer. • Added Total Mileage reading from 0xA6 PID (OBDII) • AGPS functionality added. • Factory testing software optimized.
03.25.15.Rev.97	2020.05.20	• Added FMB003 support • Added FMB002 support • Added FMB020 support • Initial release