Template:FM errata

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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 **FMB140 platform** device's firmware improvements, changes, new features implementations as well as current firmware release version.

FIRMWARE VERSION	SUPPORTED HARDWARE
03.25.XX	FMB140
03.27.XX	FMB140

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

03.27.07.Rev.00 (recommended for FMB140)	2021.08.02	• **New Flash memory component support added** • **Inverted DOUT** functionality added • **Universal beacons** functionality added • Added **Beacon On Change** functionality • Beacons list expanded to support 50 beacon ID's • **BLE AES128** encryption added • Added **Ignition On Counter** functionality • Added **BLE Efento sensor** support • Added **encrypted record** support (TLS) • Added **Ban list control** functionality • **EGTS** protocol support added • Added configurable **ACK type (TCP/AVL)** source feature • **Advanced eco driving** for all hardware • **Matrix3 RFID** support added • **iButton list** extended to 4000 iButtons • Device records saving/sending improvements • Towing scenario improvements • SMS Data Sending improvements on events generation • SMS commands **setdigout** and **readio** sending improvements • Time synch from NTP/NITZ improvements • Device wake up from sleep modes improvements • HW with eSIM feature general working improvements • Can adapters data reading on ignition off/on improvements • Can adapters settings over SMS commands improved • General device debug logs capture improvements • BLE whitelist (scan stability improvements) • Battery protection improvements • Improved system stability and fixed general bugs
03.25.16.Rev.410	2020.12.11	• Odometer calculation from CAN data improvements *Newest production base firmware version for FMB140 devices in factory is **03.25.16.Rev.410**.* *The update was made to improve odometer calculations when LVCAN is set as odometer source.* *We highly recommend to update firmware to make sure that the received odometer data is as accurate as possible. New orders of FMB140 are manufactured with the latest firmware.*
03.25.16.Rev.281	2020.09.16	• Added LNG IO elements • lvcangetinfo structure changed • CAN firmware update algorithm improvements • Added SMS/GPRS commands: lvcancheck, lvcanreset, lvcanrefresh
03.25.16.Rev.102	2020.07.22	• lvcansetting SMS command can be set only in DEC format • CAN module sleep algorithm improvement
03.25.15.Rev.145	2020.04.06	• Improved RPM ignition detection • Improved CAN IO priorities • Added lvcansetting SMS command (HEX)
03.25.15.Rev.143	2020.02.20	• Base update to 03.25.15.Rev.01 • Added Control State Flags IO • Added Program Number Autoscan feature • CAN chip update over FOTA WEB

03.25.11.Rev.144	2019.11.22	• Stability improvements
		• General Fixes
		• Added FMB140 support
		• Added FOTA WEB/Status transfer for FMB140 CAN chip firmware download.
		• Initial release