FMU130 firmware 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 **FMCXXX, FMUXXX, FMMXXX platform** devices firmware improvements, changes, new features implementations as well as current firmware release version.

FIRMWARE VERSION	SUPPORTED HARDWARE
03.25.XX	FMC1YX, FMU1YX, FMM1YX
03.27.XX	FMB0YX, FMB9X0, FMB96X, FMB1YX, FMU1YX, FMM1YX, FMC1YX, FMM001, FMC001, FM30XY, FMB2YX, FMT100

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
03.27.14.Rev.00 (recommended for FMM125, FMU130, FMU125)	2022.08.17	• Added FMM125 with Quectel BG95-M3 support • Improved system stability and fixed general bugs

03.27.13.Rev.57 (recommended for FMC125)	2022.05.03	• Added FMC125 with SLM320 module support • Added SMS via LTE support for hardware`s with SLM320 modules • Improved system stability and fixed general bugs
03.27.13.Rev.54 (recommended for FMC130 with SLM320-L, SLM320-E2, SLM320-E1)	2022.03.18	• Added **Jamming support** for FMC130 hardware with SLM320-L and SLM320-E2 module • Fixed NITZ time synchronization with SLM320 modules • Fixed connection to operator issue • Added FMC125 with SLM320 hardware support • Improved system stability and fixed general bugs
03.27.12.Rev.00 (recommended for FMM130 with BG95)	2022.02.17	• Added FMM230, FMC230, FMC225, FMB230, FMB225, FMB240 support • Fixed manual frequency bands configuration for FMMx30 devices • Improved system stability and fixed general bugs
03.27.10.Rev.02	2021.11.11	• New Accelerometers support added • Static navigation improvements • GNSS performance improvements • BG95-M3 modem support • AutoAPN improvements • Limit max FOTA connection period to 12 hours • Improved system stability and fixed general bugs
03.27.07.Rev.252 (recommended for FMC130 with SLM320)	2021.10.15	• **SLM320 modem support** • Improved system stability and fixed general bugs
03.27.07.Rev.00	2021.08.02	• **New Flash memory component support added** • **Inverted DOUT** functionality added • **Universal Beacons** functionality added • Beacons list expanded to support 50 beacon ID's • **BLE AES128** encryption added • Enabled SBAS support • Improved system stability and fixed general bugs
03.27.04.Rev.01	2021.03.16	• Quectel modem reset procedure improvements • Optimization of faster network selection • Optimization of internal flash usage • Fix of GNSS version initialization • Added **Beacon On Change.** functionality • Improved system stability and fixed general bugs
03.27.03.Rev.02	2021.01.28	• Fix odometer calculation when source selected LVCAN or GNSS • DNS fixes and improvements • Improved system stability and fixed general bugs
03.27.03.Rev.00	2020.12.16	• Improved high priority records sending • Quectel modem configuration rework • Improved system stability and fixed general bugs
03.27.02.Rev.03	2020.10.28	• Command "setdigout" fixes when GNSS is not available • Periodic BLE scan improvements when using eventual beacon records • Improved system stability and fixed general bugs

03.27.02.Rev.01	2020.10.25	• Disable NTP TSYNC in Deep-sleep mode • TLS fixes and improvements
03.27.02.Rev.00	2020.09.14	• Added LV-CAN200+DTC functionality • [BLE beacons](#) and [BLE sensors](#) support for FMU1YX, FMM1YX, FMC1YX, FMM001, FMC001 • BLE whitelist (scan stability improvements) • Added time synchronization improvement • **[iButton list](#)** extended to 4000 iButtons. • Implemented **[Magnetic card reader](#)** functionality for FMU126 • Implemented **[Towing detection](#)** DOUT control • [EGTS](#) protocol support added • Added configurable [ACK type (TCP/AVL)](#) source feature • Added [BLE Efento sensor](#) support • **[Codec12/13 packet merge](#)** functionality added • Added [encrypted record](#) support (TLS) • Added [Ban list control](#) functionality • [Advanced eco driving](#) for all hardware • Battery protection improvements • [Auto APN](#) support for FMU1YX, FMM1YX, FMC1YX, FMM001, FMC001 • CAN Adapter improvements • Added [FOTA WEB connection period randomizer](#) • Added [Ignition On Counter](#) functionality • Added new [UMTS/LTE Cell ID 636](#) • Improved system stability and fixed general bugs
03.25.10.Rev.175	2019.12.23	• Stability improvements • Added Geo bands selection • Improved network scan sequence and AT commands • Added preferred operator connection • Added network settings configuration capability for FMM1YX devices • Improved dual sim switching • Added FMM1YX support • Added FMC1YX support • Added FMU1YX support • Initial release