

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 | <ul style="list-style-type: none">• 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • SLM320 modem support • Improved system stability and fixed general bugs |
| 03.27.07.Rev.00 | 2021.08.02 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Improved high priority records sending • Quectel modem configuration rework • Improved system stability and fixed general bugs |
| 03.27.02.Rev.03 | 2020.10.28 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Disable NTP TSYNC in Deep-sleep mode • TLS fixes and improvements |
| 03.27.02.Rev.00 | 2020.09.14 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 |