FMB225 firmware errata

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 **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
03.29.XX	FMB010, FMB020, FMT100, FMB900, FMB910, FMB920, FMC920, FMM920, FMB110, FMB120, FMB122, FMB125, FMB130, FMC125, FMC130, FMC13A, FMM125, FMM130, FMM13A, FMB202, FMB204, FMB225, FMB230, FMC225, FMC230, FMM230, FMB001, FMB003, FMC001, FMC003, FMC00A, FMM001, FMM003, FMM00A, FMB140, FMB240

Evaluation firmware branches

Newly introduced Teltonika Telematics products start their lifecycle and mass production running evaluation branch firmware versions, which may be based on older BASE firmware version or seperate firmware branch, therefore may have different features. Such products do not immediately receive identical improvements as products in BASE firmware until their support is added. Currently such products are:

FIRMWARE VERSION	HARDWARE

03.29.00.Rev.457	FMC880, FMM880, FMC800, FMM800, FMM80A
03.28.07.Rev.159	FMB150, FMC150, FMM150
03.27.10.Rev.482	FMB930
03.27.10.Rev.487	FMB965
03.28.04.Rev.273	FMP100

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
03.29.00.Rev.18 (recommended for FMT100, FMB900, FMB910, FMB920, FMC920, FMM920, FMB110, FMB120, FMB122, FMB130, FMC130 (SLM320-LA, SLM320-E2, EC21-EC, EC21-AU), FMC13A, FMM130 (BG95-M3, BG96), FMM13A, FMB202, FMB204, FMB206, FMB230, FMC230, FMM230, FMB140, FMB240, FMB125, FMC125 (SLM320-LA, SLM320-E2, EC21-EC), FMM125 (BG95-M3), FMB225, FMC225)	2024.05.13	• Improved reconnection to new operator time if GPRS was unavailable with initial operator • Fixed pro-longed reconnection to new operator due to record tasks interrupting operator search • Fixed network session closing when current operator is added to blacklist • Improved module initialization time for devices with Quectel modems • Fixed Digital Output state restore after firmware update • RS232 interface stability improvements • GNSS status element state improvements • Time synchronization improvements • Manufacture testing improvements

03.29.00.Rev.14 (recommended for FMB120, FMB130, FMB140, FMB125, FMM130 with BG95-M3, FMM230, FMB920, FMT100, FMB910, FMB204, FMC125 with MeiG SLM320, FMC225, FMC13A)	2023.12.13	• **NEW!** **TELTONIKA EYE Beacon and EYE Sensor easy configuration** functionalities added • **NEW!** **TELTONIKA EYE Beacon Lost & Found and Proximity Event** functionalities added • **NEW!** **SECO** functionality added • **NEW!** **Back-Up Tracker** functionality added • **NEW!** **GNSS jamming** functionality added • **NEW!** **Low Power Mode** functionality added • **NEW!** MQTT support for **AWS IoT Shadow/Custom** and **Azure IoT** added • **NEW!** **RS485 Buffered** functionality added • **NEW!** **RS232 Delimiter mode** functionality added • **NEW!** **1-Wire interface control in sleep modes** functionality added • **NEW!** **BT/BLE interface control in sleep modes** functionality added • **NEW!** **NBL-2 Bluetooth RFID reader** support added • **NEW!** SMS/GPRS command **"lvcanhorn"** support added • **NEW!** Added support for **FMC13A** and **FMM13A** • **NEW!** Added support for **FMC00A** and **FMM00A** • **NEW!** Added support for **FMC920** and **FMM920** • **NEW!** Added support for **FMC003** and **FMM003** • **NEW!** Added support for small OBD devices **FMB003** and **FMB020** • **NEW!** Added support for FMC1XY/FMC2XY devices with MeiG modems • **NEW!** SMS/GPRS command **"setigndigout"** added • **NEW!** Jamming feature support added for FMC1XY/FMC2XY devices with MeiG modems • **NEW!** Support of new electric vehicle **OEM parameters** for FMX00X devices • **NEW!** **CAN service and LPG I/O elements** added • **NEW!** New I/O elements for each CAN adapter state flag added • **NEW!** New I/O Digital Input 2 for FMX920, FMB910 and FMB900 devices • **CHANGED!** Reworked recalibration logic • **CHANGED!** **Default parameter values** • **CHANGED!** **SMS Event** logic reworked • **CHANGED!** **LLS address** count expanded to 16 • **CHANGED!** Black list functionality reworked • **CHANGED!** SMS/GPRS command **"cpureset"** protection functionality • **CHANGED!** **Pulse Counter** reworked • 1-Wire Temperature sensor stability improvements • Operator search procedure functionality improvements • Record saving and sending improvements • DOUT state saving improvements • GPRS Session and PDP Context Activation logic improvements • Trip state saving improvements • CAN data reading improvements • BLE data reading stability improvements • TimeSync, SMS handling and connection stability improvements for FMC1XY/FMC2XY devices with MeiG modems • AutoAPN multiple block file improvement for larger database capacity • Manufacture testing improvements • Improved system stability and fixed general bugs

03.27.13.Rev.03 (recommended for FMB230, FMB225, FMB240, FMM230)	2022.09.12	• Improved system stability and fixed general bugs • Manufacture testing improvements
03.27.13.Rev.57 (recommended for FMC225)	2022.05.11	• Added SMS via LTE support for hardware`s with SLM320 modules • Added **Jamming support** for FMC225 hardware • Fixed NITZ time synchronization with SLM320 modules • Fixed connection to operator issue • Improved system stability and fixed general bugs
03.27.12.Rev.00 (recommended for FMM230, FMB230, FMB225, FMB240)	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