FMC230 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
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.13 (recommended for FMC130 with SLM320-LA, SLM320-E1, SLM320-E2, FMC230 with SLM320-LA, SLM320-E2, FMC920) | 2023.11.24 | • **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.443 (recommended for FMC230 with SLM320-LA, SLM320-E2)	2023.03.01	• Fixed eSIM detection with SLM320 modules • Added SMS support over LTE for SLM320 modules • Improved SMS handling with SLM320 modules • Added Jamming support in configurator for FMC125 • Fixed known issues with GPS jumps and time synchronization • Improved PAP/CHAP authentication • Fixed duplicate server issue when one of server is closed • Improved communication with SLM320 module to ensure stable connection • 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
03.27.12.Rev.00 (recommended for FMM230)	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