

# FMU125 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.

<b>FIRMWARE VERSION</b>	<b>SUPPORTED HARDWARE</b>
<b>03.25.XX</b>	FMC1YX, FMU1YX, FMM1YX
<b>03.27.XX</b>	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

<b>FIRMWARE VERSION</b>	<b>RELEASE DATE</b>	<b>CHANGES</b>
<b>03.27.14.Rev.00</b> (recommended for FMM125, FMU130, FMU125)	2022.08.17	<ul style="list-style-type: none"><li>• Added FMM125 with Quectel BG95-M3 support</li><li>• Improved system stability and fixed general bugs</li></ul>

<b>03.27.13.Rev.57</b> (recommended for FMC125)	2022.05.03	<ul style="list-style-type: none"> <li>• Added FMC125 with SLM320 module support</li> <li>• Added SMS via LTE support for hardware`s with SLM320 modules</li> <li>• Improved system stability and fixed general bugs</li> </ul>
<b>03.27.13.Rev.54</b> (recommended for FMC130 with SLM320-L, SLM320-E2, SLM320-E1)	2022.03.18	<ul style="list-style-type: none"> <li>• Added <b>Jamming support</b> for FMC130 hardware with SLM320-L and SLM320-E2 module</li> <li>• Fixed NITZ time synchronization with SLM320 modules</li> <li>• Fixed connection to operator issue</li> <li>• Added FMC125 with SLM320 hardware support</li> <li>• Improved system stability and fixed general bugs</li> </ul>
<b>03.27.12.Rev.00</b> (recommended for FMM130 with BG95)	2022.02.17	<ul style="list-style-type: none"> <li>• Added FMM230, FMC230, FMC225, FMB230, FMB225, FMB240 support</li> <li>• Fixed manual frequency bands configuration for FMMx30 devices</li> <li>• Improved system stability and fixed general bugs</li> </ul>
<b>03.27.10.Rev.02</b>	2021.11.11	<ul style="list-style-type: none"> <li>• New Accelerometers support added</li> <li>• Static navigation improvements</li> <li>• GNSS performance improvements</li> <li>• BG95-M3 modem support</li> <li>• AutoAPN improvements</li> <li>• Limit max FOTA connection period to 12 hours</li> <li>• Improved system stability and fixed general bugs</li> </ul>
<b>03.27.07.Rev.252</b> (recommended for FMC130 with SLM320)	2021.10.15	<ul style="list-style-type: none"> <li>• <b>SLM320 modem support</b></li> <li>• Improved system stability and fixed general bugs</li> </ul>
<b>03.27.07.Rev.00</b>	2021.08.02	<ul style="list-style-type: none"> <li>• <b>New Flash memory component support added</b></li> <li>• <b>Inverted DOUT</b> functionality added</li> <li>• <b>Universal Beacons</b> functionality added</li> <li>• Beacons list expanded to support 50 beacon ID's</li> <li>• <b>BLE AES128</b> encryption added</li> <li>• Enabled SBAS support</li> <li>• Improved system stability and fixed general bugs</li> </ul>
<b>03.27.04.Rev.01</b>	2021.03.16	<ul style="list-style-type: none"> <li>• Quectel modem reset procedure improvements</li> <li>• Optimization of faster network selection</li> <li>• Optimization of internal flash usage</li> <li>• Fix of GNSS version initialization</li> <li>• Added <b>Beacon On Change</b> functionality</li> <li>• Improved system stability and fixed general bugs</li> </ul>
<b>03.27.03.Rev.02</b>	2021.01.28	<ul style="list-style-type: none"> <li>• Fix odometer calculation when source selected LVCAN or GNSS</li> <li>• DNS fixes and improvements</li> <li>• Improved system stability and fixed general bugs</li> </ul>
<b>03.27.03.Rev.00</b>	2020.12.16	<ul style="list-style-type: none"> <li>• Improved high priority records sending</li> <li>• Quectel modem configuration rework</li> <li>• Improved system stability and fixed general bugs</li> </ul>
<b>03.27.02.Rev.03</b>	2020.10.28	<ul style="list-style-type: none"> <li>• Command "setdigout" fixes when GNSS is not available</li> <li>• Periodic BLE scan improvements when using eventual beacon records</li> <li>• Improved system stability and fixed general bugs</li> </ul>

<b>03.27.02.Rev.01</b>	2020.10.25	<ul style="list-style-type: none"> <li>• Disable NTP TSYNC in Deep-sleep mode</li> <li>• TLS fixes and improvements</li> </ul>
<b>03.27.02.Rev.00</b>	2020.09.14	<ul style="list-style-type: none"> <li>• Added LV-CAN200+DTC functionality</li> <li>• <a href="#">BLE beacons</a> and <a href="#">BLE sensors</a> support for FMU1YX, FMM1YX, FMC1YX, FMM001, FMC001</li> <li>• BLE whitelist (scan stability improvements)</li> <li>• Added time synchronization improvement</li> <li>• <a href="#">iButton list</a> extended to 4000 iButtons.</li> <li>• Implemented <a href="#">Magnetic card reader</a> functionality for FMU126</li> <li>• Implemented <a href="#">Towing detection</a> DOUT control</li> <li>• <a href="#">EGTS</a> protocol support added</li> <li>• Added configurable <a href="#">ACK type (TCP/AVL)</a> source feature</li> <li>• Added <a href="#">BLE Efento sensor</a> support</li> <li>• <a href="#">Codec12/13 packet merge</a> functionality added</li> <li>• Added <a href="#">encrypted record</a> support (TLS)</li> <li>• Added <a href="#">Ban list control</a> functionality</li> <li>• <a href="#">Advanced eco driving</a> for all hardware</li> <li>• Battery protection improvements</li> <li>• <a href="#">Auto APN</a> support for FMU1YX, FMM1YX, FMC1YX, FMM001, FMC001</li> <li>• CAN Adapter improvements</li> <li>• Added <a href="#">FOTA WEB connection period randomizer</a></li> <li>• Added <a href="#">Ignition On Counter</a> functionality</li> <li>• Added new <a href="#">UMTS/LTE Cell ID 636</a></li> <li>• Improved system stability and fixed general bugs</li> </ul>
<b>03.25.10.Rev.175</b>	2019.12.23	<ul style="list-style-type: none"> <li>• Stability improvements</li> <li>• Added Geo bands selection</li> <li>• Improved network scan sequence and AT commands</li> <li>• Added preferred operator connection</li> <li>• Added network settings configuration capability for FMM1YX devices</li> <li>• Improved dual sim switching</li> <li>• Added FMM1YX support</li> <li>• Added FMC1YX support</li> <li>• Added FMU1YX support</li> <li>• Initial release</li> </ul>