

# FMB020 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 **FMB020** device firmware improvements, changes, new features implementations as well as current firmware release version.

<b>FIRMWARE VERSION</b>	<b>SUPPORTED HARDWARE</b>
03.25.XX	FMB003, FMB002, FMB020
03.27.XX	FMB003, FMB002, FMB020
<b>03.29.XX</b>	FMB010, FMB020, FMT100, FMP100, 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, FMB209

## 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
<b>03.29.00.Rev.554</b>	2024.06.30	<ul style="list-style-type: none"><li>• <b>NEW!</b> <a href="#">TELTONIKA EYE Beacon and EYE Sensor easy configuration</a> functionalities added</li><li>• <b>NEW!</b> <a href="#">TELTONIKA EYE Beacon Lost &amp; Found and Proximity Event</a> functionalities added</li><li>• <b>NEW!</b> <a href="#">Back-Up Tracker</a> functionality added</li><li>• <b>NEW!</b> <a href="#">Low Power Mode</a> functionality added</li><li>• <b>NEW!</b> MQTT support for <a href="#">AWS IoT Shadow/Custom</a> and <a href="#">Azure IoT</a> added</li><li>• <b>NEW!</b> <a href="#">BT/BLE interface control in sleep modes</a> functionality added</li><li>• <b>NEW!</b> <a href="#">NBL-2 Bluetooth RFID reader</a> support added</li><li>• <b>CHANGED!</b> Reworked recalibration logic</li><li>• <b>CHANGED!</b> <a href="#">Default parameter values</a></li><li>• <b>CHANGED!</b> <a href="#">SMS Event</a> logic reworked</li><li>• <b>CHANGED!</b> Black list functionality reworked</li><li>• <b>CHANGED!</b> SMS/GPRS command "<a href="#">cpureset</a>" protection functionality</li><li>• Operator search procedure functionality improvements</li><li>• Record saving and sending improvements</li><li>• GPRS Session and PDP Context Activation logic improvements</li><li>• Trip state saving improvements</li><li>• BLE data reading stability improvements</li><li>• AutoAPN multiple block file improvement for larger database capacity</li><li>• Manufacture testing improvements</li><li>• Improved system stability and fixed general bugs</li></ul>
<b>03.28.04.Rev.273</b> (recommended for FMB020)	2023.09.30	<ul style="list-style-type: none"><li>• Improved auto-calibration algorithm</li><li>• Improved eco-driving scenario algorithm</li><li>• Improved crash detection algorithm</li><li>• Trip state saving improvements</li><li>• SMS/GPRS command "cpureset" protection functionality</li><li>• MQTT support for AWS IoT Shadow/Custom and Azure IoT added</li><li>• Improved system stability and fixed general bugs</li><li>• Base firmware version updated</li></ul>
<b>03.27.12.Rev.93</b> (recommended for FMB020, FMB002, FMB003)	2022.04.27	<ul style="list-style-type: none"><li>• Ultra-deep sleep improvements</li><li>• Periodic record sending improvements</li><li>• OBD functionality improvements</li><li>• Changed default configuration value ranges for eco driving scenario</li><li>• Improved CAN data reading via Single Wire</li><li>• AGPS functionality improvements</li><li>• Improved system stability and fixed general bugs</li></ul>

<b>03.27.07.Rev.94</b> (recommended for FMB002, FMB020)	2021.09.08	<ul style="list-style-type: none"> <li>• AGPS functionality improved.</li> <li>• Added new SMS/GPRS debug command obdinfo3.</li> <li>• Exponential filter for OEM Fuel Level was added to reduce fluctuations.</li> <li>• Improved DTC reading when Kline is used.</li> <li>• Base firmware version updated.</li> <li>• Improved OBD DTC reading - receive data from all ECU's, refresh DTC every 60 s.</li> </ul>
<b>03.25.17.Rev.95</b>	2020.12.02	<ul style="list-style-type: none"> <li>• Added new OBD interface support.</li> <li>• Added Low Speed CAN support.</li> <li>• Improved ISOTP protocol communication</li> <li>• Improved movement detection according to the accelerometer.</li> <li>• Added Total Mileage reading from 0xA6 PID (OBDII)</li> <li>• AGPS functionality added.</li> <li>• Factory testing software optimized.</li> </ul>
<b>03.25.15.Rev.97</b>	2020.05.20	<ul style="list-style-type: none"> <li>• Added FMB003 support</li> <li>• Added FMB002 support</li> <li>• Added FMB020 support</li> <li>• Initial release</li> </ul>