

# FMB020 firmware errata

[Main Page](#) > [Fast & Easy Trackers](#) > [FMB020](#) > **FMB020 firmware errata**



## Contents

- [1 Introduction](#)
- [2 Firmware versioning](#)
- [3 Firmware versions](#)

## 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.

FIRMWARE VERSION	SUPPORTED HARDWARE
03.25.XX	FMB003, FMB002, FMB020
03.27.XX	FMB003, FMB002, FMB020
03.28.XX	FMB003, FMB002, FMB020

## 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
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<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>