

# Template:FMB240 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 **FMB240 platform** device's firmware improvements, changes, new features implementations as well as current firmware release version.

FIRMWARE VERSION	SUPPORTED HARDWARE
03.25.XX	FMB240
03.27.XX	FMB240

## 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>03.27.07.Rev.00</b> (recommended for FMB001, FMC001, FMM001, FMB9X0, FMB1YX, FMT100, FMB202, FMB204, MTB100, FMB0X0)	2021.08.02	<ul style="list-style-type: none"> <li>• <b>New Flash memory component support added</b></li> <li>• <a href="#">Inverted DOUT</a> functionality added</li> <li>• <a href="#">Universal Beacons</a> functionality added</li> <li>• Added <a href="#">Beacon On Change</a> functionality</li> <li>• Beacons list expanded to support 50 beacon ID's</li> <li>• <a href="#">BLE AES128</a> encryption added</li> <li>• Added <a href="#">Ignition On Counter</a> functionality</li> <li>• Added <a href="#">BLE Efento sensor</a> support</li> <li>• Added <a href="#">encrypted record</a> support (TLS)</li> <li>• Added <a href="#">Ban list control</a> functionality</li> <li>• <a href="#">EGTS protocol</a> support added</li> <li>• Added configurable <a href="#">ACK type (TCP/AVL)</a> source feature</li> <li>• <a href="#">Advanced eco driving</a> for all hardware</li> <li>• <b>Matrix3 RFID</b> support added</li> <li>• <a href="#">iButton list</a> extended to 4000 iButtons</li> <li>• Device records saving/sending improvements</li> <li>• Towing scenario improvements</li> <li>• SMS Data Sending improvements on events generation</li> <li>• SMS commands <a href="#">setdigout</a> and <a href="#">readio</a> sending improvements</li> <li>• Time synch from NTP/NITZ improvements</li> <li>• Device wake up from sleep modes improvements</li> <li>• HW with eSIM feature general working improvements</li> <li>• Can adapters data reading on ignition off/on improvements</li> <li>• Can adapters settings over SMS commands improved</li> <li>• General device debug logs capture improvements</li> <li>• BLE whitelist (scan stability improvements)</li> <li>• Battery protection improvements</li> <li>• Improved system stability and fixed general bugs</li> </ul>
<b>03.25.16.Rev.410</b>	2020.12.11	<ul style="list-style-type: none"> <li>• Odometer calculation from CAN data improvements</li> </ul> <p><i>Newest production base firmware version for FMB240 devices in factory is <b>03.25.16.Rev.410</b>.  The update was made to improve odometer calculations when LVCAN is set as odometer source.  We highly recommend to update firmware to make sure that the received odometer data is as accurate as possible.  New orders of FMB240 are manufactured with the latest firmware.</i></p>
<b>03.25.16.Rev.281</b>	2020.09.16	<ul style="list-style-type: none"> <li>• Added <a href="#">LNG IO</a> elements</li> <li>• <a href="#">lvcangetinfo</a> structure changed</li> <li>• CAN firmware update algorithm improvements</li> <li>• Added SMS/GPRS commands: <a href="#">lvcancheck</a>, <a href="#">lvcanreset</a>, <a href="#">lvcanrefresh</a></li> </ul>
<b>03.25.16.Rev.102</b>	2020.07.22	<ul style="list-style-type: none"> <li>• <a href="#">lvcansetting</a> SMS command can be set only in DEC format</li> <li>• CAN module sleep algorithm improvement</li> </ul>
<b>03.25.15.Rev.145</b>	2020.04.06	<ul style="list-style-type: none"> <li>• Improved RPM ignition detection</li> <li>• Improved CAN IO priorities</li> <li>• Added <a href="#">lvcansetting</a> SMS command (HEX)</li> </ul>
<b>03.25.15.Rev.143</b>	2020.02.20	<ul style="list-style-type: none"> <li>• Base update to <a href="#">03.25.15.Rev.01</a></li> <li>• Added Control State Flags IO</li> <li>• Added Program Number <a href="#">Autoscan</a> feature</li> <li>• <a href="#">CAN chip update over FOTA WEB</a></li> </ul>

**03.25.11.Rev.144**

2019.11.22

- Stability improvements
  - General Fixes
  - Added FMB240 support
  - Added FOTA WEB/Status transfer for FMB240 CAN chip firmware download.
  - Initial release
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