

# FMBXXX FIRMWARE ERRATA

## V0.6

### 1) INTRODUCTION

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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 FMBXXX<sup>1</sup> devices firmware improvements, changes, new features implementations as well as current firmware release version.

### 2) FIRMWARE VERSIONING

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#### A) STRUCTURE

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FMB.VER. [XX] . [YY] . [ZZ] .Rev. [##]

#### B) SYNTAX DESCRIPTION

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**XX** – client number. Value range: 00 – Alpha development, 01 – Teltonika, 02..99 – Specific clients

**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.

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<sup>1</sup> FMBXXX – FMB9, FMB0. Except FMB630.

| Firmware Version | Release date | Changes   |
|------------------|--------------|---|
| 01.03.03.Rev00   | 2017.07.24   | <ul style="list-style-type: none"> <li>• Added FOTA WEB functionality</li> <li>• PIN Entering to second SIM improvement</li> <li>• GNSS IO Text "GNSSpower" changed to "GNSSstatus"</li> <li>• Added zero filling the ibutton values</li> <li>• Enabled IOs GNSS, Total Odometer in dsleep mode</li> <li>• Added ccid validity check before PIN registration</li> <li>• Minimized power consumptions in sleep modes</li> <li>• SD runtime improvement</li> <li>• Changed excessive idling default/max values</li> <li>• Dual sim operator search functionality implementation</li> <li>• FW update improvement</li> <li>• Changed odometer value (m-&gt;km)</li> <li>• SMS/GPRS getgps command improvement</li> <li>• Now there are 200 authorised sms numbers</li> <li>• Operator Black list implementation</li> </ul> |
| 01.00.32.Rev00   | 2017.07.10   | <ul style="list-style-type: none"> <li>• Authorized GSM numbers list increased to 200</li> <li>• Unplug feature improvement</li> <li>• SMS command 'sdformat' – deletes all internal memory</li> <li>• SMS command 'deleterecords' – deletes Avl records from memory</li> <li>• Faster GPS FIX after leaving sleep mode</li> <li>• 'odomet' SMS command fixed</li> <li>• Excessive Idling functionality improvement</li> <li>• DOUT state is restored on startup</li> <li>• Towing activation timeout max value increased</li> <li>• Averaging now works in Deep Sleep mode too</li> <li>• Minor OBD improvements</li> <li>• Bluetooth pairing improvements</li> <li>• FMB962/FMB964 hardware support added</li> <li>• Records sending when link is open fixed</li> </ul>   |
| 01.00.30.Rev05   | 2017.05.26   | <ul style="list-style-type: none"> <li>• Added 5 geozones functionality</li> <li>• IO elements ICCID and SD Status are added</li> <li>• Added Keyword functionality</li> <li>• Crash detection improvement, now it detects consecutive events</li> <li>• Towing Detection improvement</li> <li>• Unplug detection improvement</li> <li>• GPRS connection stability improvement</li> <li>• Improved Unplug detection – now detects "plug" events too</li> <li>• Data sending without microSD card</li> <li>• getgps SMS commands format fixed</li> </ul>   |

|                 |            |  |
|-----------------|------------|--|
|                 |            | <ul style="list-style-type: none"> <li>• Default configuration changed – allow sending in roaming and unknown modes</li> </ul>   |
| 01.00.22.Rev.12 | 2017.04.13 | <ul style="list-style-type: none"> <li>• Improved connection to GSM operators</li> </ul>   |
| 01.00.22.Rev.11 | 2017.04.07 | <ul style="list-style-type: none"> <li>• Improved LiPo battery charger state interpretation</li> </ul>   |
| 01.00.22.Rev.09 | 2017.03.28 | <ul style="list-style-type: none"> <li>• Updated GPS firmware version</li> <li>• Hardware detection improvement</li> </ul>   |
| 01.00.22.Rev.06 | 2017.03.14 | <ul style="list-style-type: none"> <li>• Corrected “Green driving” values: “m/s<sup>2</sup>” conversion to “g”</li> <li>• SIM PIN entering fixed.</li> <li>• SMS Reading improved. Don't go to DeepSleep if there are SMS to read in memory.</li> <li>• GPS Fuel Counter fix.</li> <li>• Jamming detection improvement.</li> <li>• AutoGeofence functionality improvement.</li> <li>• Entering to DeepSleep fixed</li> <li>• IO elements “event only” parameter fix</li> <li>• Improvement in connection to GSM operator</li> <li>• Added SD card drive capacity parameter to Status window</li> <li>• Added BeiDou satellite numbers</li> <li>• Trip odometer I/O calculation improvement.</li> </ul> |
| 01.00.19.Rev.02 | 2017.01.18 | <ul style="list-style-type: none"> <li>• OBD data, VIN, DTC error count reading, DTC PID's requests, DTC delete via Bluetooth</li> <li>• Fixed GPS no fix lock-up</li> </ul>   |
| 01.00.17.Rev.03 | 2017.01.06 | <ul style="list-style-type: none"> <li>• Bluetooth Voice call added</li> </ul>   |
| 01.00.15.Rev.00 | 2016.11.23 | <ul style="list-style-type: none"> <li>• Accelerometer axis values XYZ as IO elements</li> <li>• Configuration send/save over Bluetooth</li> <li>• NTP+NITZ Time synchronization</li> <li>• EcoDriving auto calibration</li> </ul>   |