

# FM36 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 **FM36YX** devices firmware improvements, changes, new features implementations as well as current firmware release version.

## Firmware versioning

- Structure

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

- Syntax description
  - 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.

## Firmware versions

FIRMWARE VERSION	RELEASE DATE	CHANGES
<b>01.13.17.Rev.00</b> <b>Final version</b> <a href="#">More information about EOL products</a>	2020.07.13	<ul style="list-style-type: none"><li>• Added DNS configuration.</li><li>• GPRS connectivity improved.</li><li>• Improved connection to GSM/NB-IOT.</li><li>• WEB Fota connection start after power-up/hard reset.</li><li>• Added iButton detection pulse duration parameter.</li><li>• Fota WEB default domain and port set to fm.teltonika.lt;Port:5000</li><li>• Added auto band setting for specified regions.</li></ul>
<b>01.13.06.Rev.10</b>	2019.10.21	<ul style="list-style-type: none"><li>• GPS stability improvement</li><li>• Operator search optimization</li><li>• Added GSM band and LTE band configuration</li><li>• Added Network ping control modes</li><li>• Added SIM SMS send control</li></ul>

<b>01.12.02.Rev.00</b>	2019.07.10	<ul style="list-style-type: none"> <li>• Auto network mode improvements</li> <li>• GPS rollover fix (for FM3612)</li> </ul>
<b>01.12.00.Rev.04</b>	2019.05.13	<ul style="list-style-type: none"> <li>• Added firmware update via FOTA WEB support</li> <li>• Added 4xDOUT hardware support</li> <li>• Added IOT network mode selection</li> <li>• Added crash detection functionality</li> <li>• Network registration improvements</li> <li>• Automatic ignition detection improvements</li> <li>• GPS fix acquire time after deep sleep improved</li> <li>• DOUT control improvements</li> <li>• Added keyword setting via SMS commands and TCP configuration</li> </ul>
<b>01.09.22.Rev.00</b>	2018.11.16	<ul style="list-style-type: none"> <li>• GPS stability improvement</li> <li>• DOUT control improvements</li> <li>• SMS commands improvements</li> <li>• Immobilizer scenario improvement</li> </ul>
<b>01.09.09.Rev.00</b>	2018.05.30	<ul style="list-style-type: none"> <li>• 4G (LTE and NB-IoT) network support added (for FM36M1)</li> <li>• GNSS module control improvements</li> <li>• Jamming detection improvements</li> <li>• SMS commands improvements</li> <li>• Power consumption efficiency improvements</li> <li>• FOTA stability improvements</li> <li>• Configuration stability improvements</li> </ul>
<b>01.08.16.Rev.00</b>	2018.02.26	<ul style="list-style-type: none"> <li>• GPS stability improvement</li> <li>• iButton detection improved</li> </ul>
<b>01.08.12.Rev.00</b>	2018.01.12	<ul style="list-style-type: none"> <li>• Data sending improvements</li> <li>• Geofence changes</li> <li>• Deep sleep improvements</li> </ul>
<b>01.08.07.Rev.00</b>	2017.11.22	<ul style="list-style-type: none"> <li>• 2G/3G networks working algorithm improvements</li> <li>• GNSS module control improvements</li> <li>• LV-CAN200/ALL-CAN300 functionalities improved</li> <li>• FOTA application improvements</li> <li>• 1- wire devices detection improvements</li> <li>• Deep sleep improvements</li> <li>• UPD sending improved</li> <li>• Static navigation improvements</li> <li>• SMS functionality improved</li> </ul>
<b>01.06.06.Rev.00</b>	2017.07.24	<ul style="list-style-type: none"> <li>• FM3612 support added</li> <li>• Added support for UDP GPRS commands</li> <li>• Recods saving and managing improved</li> <li>• Operators selection and managing improved</li> <li>• Setdigout SMS command stability improved</li> <li>• LV-CAN200/ALL-CAN300 functionalities improved</li> <li>• GPRS connection stability improved</li> <li>• GNSS module control improved</li> </ul>

<b>01.05.06.Rev.00</b>	2017.01.03	<ul style="list-style-type: none"> <li>• Battery charging reworked to detected car voltage system - 6, 12, 24 volts and not to drain battery to empty</li> <li>• Fixed setdigout SMS</li> <li>• Operator search optimization</li> <li>• Battery will not be charged if external voltage is low</li> <li>• SMS reading improvements</li> <li>• TCP configuration improvement</li> <li>• GNSS module improvements.</li> <li>• Debug improvements</li> <li>• Firmware update via FOTA application improvements</li> <li>• Functions optimization</li> <li>• NMEA reading optimization</li> <li>• Battery charge algorithm improvements</li> <li>• Movement detection improvements</li> </ul>
<b>01.05.00.Rev.00</b>	2016.11.16	<ul style="list-style-type: none"> <li>• Remember iButton functionality added</li> <li>• ALLCAN 300 functionality Implemented</li> <li>• CAN parameters handling improvements</li> <li>• LV-CAN200/ALL-CAN300 parameters data handling improvements</li> <li>• Default configuration parameter change: Stop detection source -&gt; Msensor</li> </ul>
<b>01.03.02.Rev.00</b>	2016.10.04	<ul style="list-style-type: none"> <li>• Added H910-GL Modem support</li> <li>• Added FM3602 HW support</li> <li>• Record size optimization</li> </ul>
<b>01.02.01.Rev.00</b>	2016.08.04	<ul style="list-style-type: none"> <li>• Added GNSS state element (0-5)</li> <li>• Added Quectel UC20 support</li> <li>• Idling scenario and configurable ignition timeout functionality added for authorized driving/immobilizer scenarios</li> <li>• Continuous odometer function added</li> <li>• TTJ ID added</li> <li>• Telit and Quectel hardware support added</li> <li>• Added ignition detection timeout setting</li> <li>• Ignition timeout configuration added</li> <li>• iButton list configuration improvements.</li> <li>• Deep sleep improvements</li> <li>• Data sending optimization</li> <li>• CSQ calculation improved</li> <li>• SIM card initialization improved</li> <li>• Configuration via FOTA improved</li> <li>• Dallas temperature sensor data handling improvements</li> <li>• Overspeeding scenario improvements</li> <li>• Fixed double event record saving</li> <li>• Signal level calculation optimization</li> <li>• Cell ID IO element changed to 4 bytes</li> <li>• Changed modem turn on, turn off to proper edition</li> <li>• Offline/online log improvements.</li> </ul>
<b>01.00.02.Rev.00</b>	2016.02.04	<ul style="list-style-type: none"> <li>• Protection from incorrect power voltage configuration added</li> <li>• Added battery unlock function</li> <li>• Predefined number SMS functionality improvements.</li> </ul>

<references />