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
01.13.17.Rev.00 **Final version** More information about EOL products	2020.07.13	• Added DNS configuration. • GPRS connectivity improved. • Improved connection to GSM/NB-IOT. • WEB Fota connection start after power-up/hard reset. • Added iButton detection pulse duration parameter. • Fota WEB default domain and port set to fm.teltonika.lt;Port:5000 • Added auto band setting for specified regions.
01.13.06.Rev.10	2019.10.21	• GPS stability improvement • Operator search optimization • Added GSM band and LTE band configuration • Added Network ping control modes • Added SIM SMS send control

01.12.02.Rev.00	2019.07.10	• Auto network mode improvements • GPS rollover fix (for FM3612)
01.12.00.Rev.04	2019.05.13	• Added firmware update via FOTA WEB support • Added 4xDOUT hardware support • Added IOT network mode selection • Added crash detection functionality • Network registration improvements • Automatic ignition detection improvements • GPS fix acquire time after deep sleep improved • DOUT control improvements • Added keyword setting via SMS commands and TCP configuration
01.09.22.Rev.00	2018.11.16	• GPS stability improvement • DOUT control improvements • SMS commands improvements • Immobilizer scenario improvement
01.09.09.Rev.00	2018.05.30	• 4G (LTE and NB-IoT) network support added (for FM36M1) • GNSS module control improvements • Jamming detection improvements • SMS commands improvements • Power consumption efficiency improvements • FOTA stability improvements • Configuration stability improvements
01.08.16.Rev.00	2018.02.26	• GPS stability improvement • iButton detection improved
01.08.12.Rev.00	2018.01.12	• Data sending improvements • Geofence changes • Deep sleep improvements
01.08.07.Rev.00	2017.11.22	• 2G/3G networks working algorithm improvements • GNSS module control improvements • LV-CAN200/ALL-CAN300 functionalities improved • FOTA application improvements • 1- wire devices detection improvements • Deep sleep improvements • UPD sending improved • Static navigation improvements • SMS functionality improved
01.06.06.Rev.00	2017.07.24	• FM3612 support added • Added support for UDP GPRS commands • Recods saving and managing improved • Operators selection and managing improved • Setdigout SMS command stability improved • LV-CAN200/ALL-CAN300 functionalities improved • GPRS connection stability improved • GNSS module control improved

01.05.06.Rev.00	2017.01.03	• Battery charging reworked to detected car voltage system - 6, 12, 24 volts and not to drain battery to empty • Fixed setdigout SMS • Operator search optimization • Battery will not be charged if external voltage is low • SMS reading improvements • TCP configuration improvement • GNSS module improvements. • Debug improvements • Firmware update via FOTA application improvements • Functions optimization • NMEA reading optimization • Battery charge algorithm improvements • Movement detection improvements
01.05.00.Rev.00	2016.11.16	• Remember iButton functionality added • ALLCAN 300 functionality Implemented • CAN parameters handling improvements • LV-CAN200/ALL-CAN300 parameters data handling improvements • Default configuration parameter change: Stop detection source -> Msensor
01.03.02.Rev.00	2016.10.04	• Added H910-GL Modem support • Added FM3602 HW support • Record size optimization
01.02.01.Rev.00	2016.08.04	• Added GNSS state element (0-5) • Added Quectel UC20 support • Idling scenario and configurable ignition timeout functionality added for authorized driving/immobilizer scenarios • Continuous odometer function added • TTJ ID added • Telit and Quectel hardware support added • Added ignition detection timeout setting • Igntion timeout configuration added • iButton list configuration improvements. • Deep sleep improvements • Data sending optimization • CSQ calculation improved • SIM card initialization improved • Configuration via FOTA improved • Dallas temperature sensor data handling improvements • Overspeeding scenario improvements • Fixed double event record saving • Signal level calculation optimization • Cell ID IO element changed to 4 bytes • Changed modem turn on, turn off to proper edition • Offline/online log improvements.
01.00.02.Rev.00	2016.02.04	• Protection from incorrect power voltage configuration added • Added battery unlock function • Predefined number SMS functionality improvements.

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