FMM640 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 **FMC640 & FMM640** devices firmware improvements, changes, new features implementations as well as current firmware release version.

Firmware versioning

- Structure

 `FM.VER.[XX].[YY].[ZZ]`

- Syntax description
    - XX – client number. Value range: 00,01 – 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 – minor changes like small fixes, improvements and new minor features addition.

Firmware versions

FIRMWARE VERSION	RELEASE DATE	CHANGES

01.02.27.rev.06 (Latest firmware release version for FMM640)	2023.07.18	• **NEW** Added Accelerometer calibration improvements. • **NEW** Added LVCAN DTC Functionality. • **NEW** Added FMS AdBlue level IO. • **NEW** Added additional sensors 5 6 for euroscan thermograph • **NEW** Added new VDO counter elements • Tachograph Autobaudrate improvements • DDD download improvements • Faster sim in SLOT2 detection at startup. • BLE communication improvements • SIM communication improvements • DDD Front panel communication stability improvements • Immobilizer improvements • 1-wire communication improvements • Data sending improvements • Thermograph solution improvements • Device communication improvements with tachograph
01.02.22.rev.04	2022.09.02	• Improvements for manufacturing process. (No any functionality improvements made)

01.02.22.Rev.02	2022.08.22	• **NEW** added Euroscan Thermograph X1 and X2 support • **NEW** added: Iridium Edge • **NEW** added: LVCAN adapter over RS232 functionality • **NEW** added: support for codec15 • **NEW** added: eSIM functionality implementation • **NEW** added: BLE name configuration feature. • **NEW** added: Additional tacho parameters. • **NEW** added: beacon timeout parameter. • **NEW** added: Beacon on change functionality. • **NEW** added: Tachograph Efas 4.8 DDD files support. • **NEW** Added: 1-Wire sensor IDs setting from configurator. • **NEW** added: BLE broadcasting name with 4 last IMEIsymbols. • **NEW** added: EGTS protocol implementation • **NEW** added: EFAS 4.11 support. • **NEW** added: Time jump filter • **NEW** added:Tachograph driver name configuration. • **NEW** added: BLE devices discovery functionality • LVCAN logging. • Tacho Mileage Jump filter port. • Tachograph DDD files download improvements • Manual CAN filter improvements • Periodic AVL packet send (when connecting to DDD server) improvements • Jamming detection for FMC64 devices improvements • Changed Tacho keep alive update state timeout • RS232/485 external device data sending improvements • Changed 1-wire devices search algorithm. • Changed max. FOTA Web connection period = 12h • Changed max. towing angle value • Record saving stability • Tacho KLine (D8) improvements • Sleep modes improvements • Impulse counter functionality improvements. • Blacklisted operator improvements and changes • Battery detection on startup improvements • Tachograph EFAS Auto detection improvements • Stability improvements • Advanced eco-driving improvements • FMS data reading improvements • Tachograph data sending improvements • LVCAN functionality improvements • Record sending logic improvements • BLE sensors timeout logic improvements
01.00.13	2021.05.18	• Drivers Schedule Support for Web Tacho • EFAS 4 Tachograph support • Record sending improvements • Eco Driving Improvements • Crash Trace improvements • Tachograph/CAN data reading improvements • Front Panel Live data reading improvements

01.00.05	2020.10.26	• BLE functionality improvements • BLE stability improved • BLE firmware update via FOTAWEB added • TZ-BT sensor parser improvements • AutoCAN reading improvements • Tachograph FrontPanel improvements • Additional tachograph parameters added • Sleep modes improvements • Battery charging/discharging improved • Tracking On demand added • LVCAN DTC codes reading improvements • 1Wire TSH202 multiple sensors support added • Periodical TSM232 SBD records saving improvements • TCP buffering to SD card added • GPRS Remote log improvements • • TPMS functionality improvements • Tachograph driver data handling improvements • Tacho download improvements • Record send stability improved • AutoCAN, ManualCAN improvements • Tachograph data reading improvements • TSM232 stability improvements. • Added Dout Control to every geozone
00.03.74.T112	2020.06.08	• BLE beacons and BLE sensors support added • Data sending stability improvements • TSM232 check feature added • ManualCAN configuration improvements • GNSS stability improvements • Manual geofence configuration improvements • Fixed Trip odometer precision when counting mode is "Between records" • FMM640 NB-IoT network stability improved • I/O element reading stability improvements • Tachograph data reading improvements • Minor CAN-Adapter data reading improvements
00.03.68	2020.02.17	• Custom scenario event onExit feature • DOUT control in progress event reset • Tacho repeat request feature • FMS Tell Tale IO elements added • CAN data reading from train at 25kbits • Minor fixes