

FMC640 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
FMC640)

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
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01.00.05	2020.10.26	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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