

FMB640 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 **FMB640** 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 – 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
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01.02.27.rev.06 (Latest firmware release version for FMX640)	2023.07.18	<ul style="list-style-type: none"> • 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. • 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	<ul style="list-style-type: none"> • Improvements for manufacturing process. (No any functionality improvements made)

01.02.22.Rev.02 (Latest firmware release version for FMX640)	2022.08.22	<ul style="list-style-type: none"> • NEW added Euroscan Thermograph X1 and X2 support • NEW added: Tachograph driver name configuration. • NEW added: Iridium Edge • NEW added: LVCAN adapter over RS232 functionality • NEW added: support for codec15 • NEW added: eSIM functionality implementation • NEW added: Additional tacho parameters. • NEW added: Tachograph Efas 4.8 DDD files support. • NEW Added: 1-Wire sensor IDs setting from configurator. • NEW added: EGTS protocol implementation • NEW added: EFAS 4.11 support. • NEW added: Time jump filter • LVCAN logging. • Tacho Mileage Jump filter port. • 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 • Tachograph DDD files download improvements • Changed OneWire 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
01.00.13	2021.05.18	<ul style="list-style-type: none"> • 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

<p>01.00.05 (Current firmware release version for FMX640)</p> <p>Note: Newly produced devices come equipped with this version from the factory, we strongly advise to not downgrade devices to any of the previous versions!</p> <p>* For more information please contact your Teltonika sales manager.</p>	<p>2020.10.26</p>	<ul style="list-style-type: none"> • Tachograph FrontPanel improvements • Additional tachograph parameters added • AutoCAN reading improvements • 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
<p>00.03.79</p>	<p>2020.08.10</p>	<ul style="list-style-type: none"> • Tachograph driver data handling improvements • Tacho download improvements • Record send stability improved • AutoCAN, ManualCAN improvements • Tachograph data reading improvements • TSM232 stability improvements. • Added TSM232 check feature in Configurator Status>Maintenance Tab. • Added Geofence Over speeding DOUT control in every geozone. • Added Dout Control to every geozone. • TPMS functionality improvements • Added Custom scenario event onExit feature. • Added DOUT control in progress event reset. • Added FMS Tell status IOs • Garmin improvements • LVCAN, ALLCAN, CAN-CONTROL reading improvements • DSleep logic improvements • COM modes stability improvements • TCP, UDP packets handling improve • Internal improvements for manufacture

00.03.65	2020.01.24	<ul style="list-style-type: none"> • UDP data sending improvements • Battery charge mode parameter added • GPS FIX time after sleep improved • Wake up from sleep modes improved • FrontPanel DDD files sending stability improvements • K-Line midnight record saving logic changed • ManualCAN improvements • Tachograph data reading improvements • FMC640, FMM640 support added • Movement source parameter added • IO elements data sending mode added • GALILEO and BEIDOU selection for GNSS mode added • Device and FOTAWEB communication stability improvements • Carrier freezer new parameters added • LVCAN, ALLCAN communication improved • CAN-CONTROL with DTC reading added • LLS fuel sensor reading stability improved • Immobilizer improvements • iButton read notification improvements • Accelerometer autocalibration logic improved • Continental TPMS improvements • New type of zone for Manual geofence added
00.03.50	2019.06.19	<ul style="list-style-type: none"> • DTCO VDO 4.0 tachograph support added • Tachograph data sending improvements • Records saving to SD card improvements • Ping mode improvements • GPS sleep mode improvements • DOUT control improvements • Configuration stability improvements
00.03.45	2019.04.25	<ul style="list-style-type: none"> • Carrier freezer support added • Tachograph data sending improvements • LVCAN setting program nr. via configurator added • Odometer value improvements • Accelerometer improvements added • Additional FMS parameters added • CAN CONTROL functionality added • FOTA Web functionality improvements • DOUT control improvements • SMS/GPRS commands improvements • iButton functionality improvements • FrontPanel DDD files reading support added • GPRS stability improvements • NTP improvements • Deep sleep consumption improvements • Alternative DDD card download added

00.03.21	2019.01.24	<ul style="list-style-type: none"> • K-Line improvements • Sleep mode improvements • Data sending improvements • Custom Scenarios functionality added • Additional MCAN parameters added • Static Navigation deactivation source added • New function for iButton notifications scenario added • K-Line record merged with periodic record • Configurator changes. FMS I/O parameter "Distance" moved to Tachograph Data tab • Tachograph communication improvements
00.03.14	2019.01.04	<ul style="list-style-type: none"> • FMS IO AdBlue parameter added • LVCAN stability improvements • Manual CAN2 list implemented • GPRS Limits added • DOUT control via call functionality added • Autogeofence deactivate by Engine RPM added • Tacho download improvements
00.03.08	2018.12.06	<ul style="list-style-type: none"> • FOTA Web stability improvements • Data sending improvements • Tacho download improvements • Dual server functionality improvements • IO elements configuration improvements
00.03.04	2018.11.27	<ul style="list-style-type: none"> • MobilEye support added • 100 geozones support added • MCAN2 support added • DOUT control improvements • Battery charge improvements • Records saving and sending improvements • SMS commands improvements • Immobilizer scenario improvements • Crach detection improvements • Status window implemented • Tachocheck SMS command improvements • Dual server functionality improvements • Overspeeding scenario improvements • Device stability improvements • Tacho download improvements
00.01.05	2018.08.06	<ul style="list-style-type: none"> • CAN adapter (LV-CAN200/ALL-CAN300) improvements • ADC (Analog to Digital Converter) accuracy improvement • J1708 CAN Fuel Level/Consumption parameters added • Quectel Hardware support added • Zbit flash added • USB connection improvements • "On Delta Change" operand (event generating) added. • Codec 12 parsing improvements
00.00.13	2018.05.10	<ul style="list-style-type: none"> • SMS sending for panic records added to code. • SMS events improvements. • Tachograph auto connect improved. • Fota Web support added • Deep Sleep Improvements • USB improvements