

FM6300 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 **FM63YX<ref>FM63XX - FMB630, FM6300, FM6320.</ref>** 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 – major changes like bigger fixes, improvements and new features addition.

Firmware versions

FIRMWARE VERSION	RELEASE DATE	CHANGES
01.00.34 (Current firmware release version for FM63YX)	2020.08.10	<ul style="list-style-type: none">• Tachograph driver data handling improvements• Tacho download improvements• Tachograph data reading improvement• CAN functionality improvements• Ignition detection improvements• FMS monitoring and scanning improvements• Timestamp generation improvements• Configuration file security improvement• New FMS IO element Tell tale added• AutoCAN, ManualCAN improvements
01.00.17	2019.07.15	<ul style="list-style-type: none">• Carrier functionality added• GPS functionality improvements

01.00.13	2019.05.16	<ul style="list-style-type: none"> • GPS stability improvements • Modem stability improvements • Ping functionality added • New baud rates added • K-Line periodic record added • New CAN modes added • Sleep modes improvements • Bluetooth improvements • Configuration improvements • GPRS data limit improvements • Immobilizer scenario improvements • Tacho download improvements • FMS elements improvements • Profile change improvements • Dual SIM functionality improvements • Operator search algorithm improvements • SMS/GPRS commands optimization • Tacho front panel support added • Data sending improvements • Jamming functionality improvements • Odometer improvements • Accelerometer calibration added • TCP Link mode improvements • Tachograph data reading improvements • Fuel counter functionality improvements • Alternative DDD file selection added
00.02.77	2018.03.01	<ul style="list-style-type: none"> • Modem stability improvement • Accelerometer improved • Functionality for sending 0 value added for CAN/AutoCan • Tachograph data reading improvement • Records saving, deleting improvements
00.02.72	2018.01.15	<ul style="list-style-type: none"> • Configuration saving changes • Profile switching improved • Tachograph files sending improvement • K-line records saving changed • Communication with server improved • New parameters for taking picture with camera • GSM modem stability increased • Command „setdigout“ improvements

00.02.67	2017.11.22	<ul style="list-style-type: none"> • MVC functionality to send picture in roaming • Geofence allow negative coordinates • VIN and VRN I/O parameters added to KLINE elements • Network ping timeout parameter removed • NITZ time synchronization use UTC time • Tacho periodical Kline record is sent only if any kline element is enabled and tacho has valid data to save GPRS data • Getstatus command updated with more info • GPRS session closing improved for all modem types • New SMS commands introduced • New IO parameters added • Trip odometer/Continuous odometer improvement • GPRS WeekTime removed • DDD download improvement • UDP data sending improvement • TCP link mode data sending improved • GPRS connection handling improved • SMS event functionality improved
00.02.42	2017.08.11	<ul style="list-style-type: none"> • Dual server support added • iButton support improved adding full DS19 family • NITZ Time Sync added • Towing detection added • Online deep sleep added (FMB630 only) • RS485 Modes functioning improvements • MCAN configuration improvements • Records management improvements • Deep sleep functionality improvements • RS232 TCP link modes buffering parameter added • WebDDD functionality improvements
00.02.32	2017.07.05	<ul style="list-style-type: none"> • LVCAN CNG reading added • DTC Error codes read added sms "faultcodes" • DTC buffer overflow check added • Added Call Trigger functionality for DIN1/DIN2/DIN3/DIN4 • Quectel open socket local port set to 0 • BT Headset support improvements • SMS functionality improvements • FMB630 Black list operator GPRS blocking optimization • Multi Sockets for FM6300 improvements • LVCAN AVL ID list changes • Records sending from SD via UDP optimization • LLS via RS232, address configuration not needed now • iButton Configuration via SMS "setparam" fix • GPRS open procedure improvement • GPRS close procedure on failed link starts after 5 failed connections instead of 10 • VDO/SRE parsers improved • K-Line data saving improvements • LVCAN/K-Line data reading improvements • Zero coordinates handling improvements

00.02.27	2017.06.14	<ul style="list-style-type: none"> • Added Bluetooth headset support • K-Line data cleaning added • COM1 communication optimization • WT^I command improvement • Zero coordinates handling improvements • KLINE IO elements optimized • SMS functionality improvements • Not needed functions/parameters removed • CAN settings improvements • SD support optimization • Improved Quectel GNSS support • Tachograph functionality improvements • SimPin status check for second sim slot optimized
00.02.22	2017.05.17	<ul style="list-style-type: none"> • TG1000 Support added • Quectel GNSS support added • Bluetooth log functionality added • Added WT^I: command support to LCD and TCP link modes • Added GPRS commands support over UDP protocol • New FM6300 hardwares 9,10,11 support added • Device configuration handling improvements • USB, COM1 communication optimization • Battery support improvements • GNSS structure load optimization • iButton detection improvements
00.02.15	2017.04.18	<ul style="list-style-type: none"> • Added MCAN/FMS selection for CAN2 parameter • Tachograph functionality improvements • Operator search algorithm improvements • GPRS commands optimization • J1708 functionality improvement • LV-CAN support improvements

00.02.13	2017.03.29	<ul style="list-style-type: none"> • Added WT^P, WT^M, WT^G commands support in LCD and TCP link modes • Full support of CAN Silent mode added • iButton notification scenario added • 6 Dallas temp sensors support added • TACHOGRAPH resume to remote session while data downloading added • SMS odoset <value> added • TACHOGRAPH auto connect to server improvements. <p>Tachograph functionality improvements</p> <ul style="list-style-type: none"> • Stoneridge SE5000 k-line data parsing improvements • REC search from FLASH improved • UDP packet size limit changed • CAN/LV-CAN200 functions improvements • FOTA functionality improvements • Static Navigation improvements • Eventual SMS logic optimization. SMS functionality improvements • Camera function optimization • TCP Link Mode improvements • Network Ping Tmo Default Value set to "0"(Disabled) • Sending records from SD card to UDP server improved • Changes profile without time synchronization if event is set on switch
00.01.15	2016.12.27	<ul style="list-style-type: none"> • GPRS functionality improvement
00.01.10	2016.12.27	<ul style="list-style-type: none"> • Geofencing over speeding added • Configuration backup after configurator added • Added jamming sensitivity configuration • Added Operator Black list functionality • Network type IO element added • Camera image by configurable timeout added • Remember Ibutton ID parameter added • WebDDD support added • Added new functionality via COM1\2 port for LCD duplicate records • TM25Q support added • Added Acceleration/Deceleration IO elements and functionality • Deep sleep improvements • setparam sms will accept '?' for parameters which value must be left untouched then making configuration • Digital outputs control improvements • setdigout GPRS command rework • Configurator operation timeout via COM1/COM2 bug fixed • AVL packet size depends of hardware. Now it fits to maximum modem packet size • HW detection improvements • USB packet handling changed • Dallas temperature sensor logic improved. Dallas temperature sensors sms commands improvements • Remote log improvements
00.00.51	2016.09.20	<ul style="list-style-type: none"> • Camera functionality improvements

00.00.49

2016.09.01

- Remote log added
- K-Line support added
- Debug added for Accelerometer
- Authorized phone number protection added
- ECO driving scenario improvements
- Autogeofence improvements
- Static navigation function optimization
- setparam validation added for KLINE, CAN, IO
- Tacho KLINE data reading optimization
- SD card support improvements
- CAN/AutoCAN improvements
- SMS functionality improvements
- IO elements configuration optimization
- FOTA functionality improvements
- Record search algorithm optimization
- Excessive idling functionality improvement
- Immobilizer functionality improvements
- RS485 LLS support improvements
- Operator list loading optimization
- Deep sleep improvements
- SMS commands improvements. SMS answer speed increased

00.00.33

2016.5.17

- SD card timeout changed