

# FM6320 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
<b>01.00.34</b> (Current firmware release version for FM63YX)	2020.08.10	<ul style="list-style-type: none"><li>• Tachograph driver data handling improvements</li><li>• Tacho download improvements</li><li>• Tachograph data reading improvement</li><li>• CAN functionality improvements</li><li>• Ignition detection improvements</li><li>• FMS monitoring and scanning improvements</li><li>• Timestamp generation improvements</li><li>• Configuration file security improvement</li><li>• New FMS IO element Tell tale added</li><li>• AutoCAN, ManualCAN improvements</li></ul>
<b>01.00.17</b>	2019.07.15	<ul style="list-style-type: none"><li>• Carrier functionality added</li><li>• GPS functionality improvements</li></ul>

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

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

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

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

<b>00.00.49</b>	2016.09.01	<ul style="list-style-type: none"> <li>• Remote log added</li> <li>• K-Line support added</li> <li>• Debug added for Accelerometer</li> <li>• Authorized phone number protection added</li> <li>• ECO driving scenario improvements</li> <li>• Autogeofence improvements</li> <li>• Static navigation function optimization</li> <li>• setparam validation added for KLINE, CAN, IO</li> <li>• Tacho KLINE data reading optimization</li> <li>• SD card support improvements</li> <li>• CAN/AutoCAN improvements</li> <li>• SMS functionality improvements</li> <li>• IO elements configuration optimization</li> <li>• FOTA functionality improvements</li> <li>• Record search algorithm optimization</li> <li>• Excessive idling functionality improvement</li> <li>• Immobilizer functionality improvements</li> <li>• RS485 LLS support improvements</li> <li>• Operator list loading optimization</li> <li>• Deep sleep improvements</li> <li>• SMS commands improvements. SMS answer speed increased</li> </ul>
<b>00.00.33</b>	2016.5.17	<ul style="list-style-type: none"> <li>• SD card timeout changed</li> </ul>