

FMC130 Product Change Notifications

[Main Page](#) > [Advanced Trackers](#) > [FMC130](#) > **FMC130 Product Change Notifications**

Product change notifications (PCN) is the way of informing customers of upcoming changes related to Teltonika products. This includes outward appearance adjustments, hardware improvements, firmware changes, changes to package contents, etc. This page stores information regarding changes to the FMC130 tracking device. Below you will find a list of both upcoming and already implemented changes sorted from newest to oldest (top to bottom).



□

Contents

- [1 2024 June: PCB changes](#)
- [2 2024.05.13: Base firmware update](#)
- [3 2024.01.05: GNSS antenna changes](#)
- [4 2023.12.15: Base firmware update](#)
- [5 2023.12.01: Certification Engraving Update](#)
- [6 2023.07.01: SLM320 Modem Firware Update](#)
- [7 2023.02.02: Base firmware update](#)
- [8 2023.02.02: Changes in side frame for the battery placement](#)
- [9 2022.11.16: SLM320 Modem Firmware Update](#)
- [10 2022.10.01: Bluetooth® Improvement](#)
- [11 2022.03.18: Base firmware update](#)
- [12 2021.08.19: Base firmware update](#)
- [13 2021.03.16: Base firmware update](#)
- [14 2021.02.18: Base firmware update](#)
- [15 2020.09.25: Base firmware update](#)
- [16 2019.11.28: Top Device Marking Changes](#)

2024 June: PCB changes

We would like to inform you that starting from June, 2024, there will be changes in the PCB's modification of our FMC130 devices. These changes affect FMC125, FMC225, FMC130, FMC230 and FMC234 devices.

Change description	
Change type	Mechanical part changes
Detailed description	<p>Change of mechanical components within PCB:</p> <ol style="list-style-type: none">1. U4100 changed to APM32F003F6U62. Changed SWD pinout3. Added QR to BOT side4. Increased TestPoint diameter5. Added TestPoint for reset pin (clearly visible)6. Removed modem USB TestPoint (clearly visible)7. Removed RF socket and cutout (Major change, clearly visible)8. Remade Palette just like in FMB1X0 project9. Discrete DOUT -> DOUT chip (clearly visible)10. Changed fuse to a smaller footprint (clearly visible) <p>Old version:</p> 
Change reasons	<p>New version:</p>  <p>The PCB shape in the afore-mentioned devices is updated to streamline the manufacturing process, making it more efficient.</p>

Product release date	2024 June	
Affected products		
Model	Affected order codes	Order code changes
FMC130	FMC130***** order codes	PCB's mechanical part changes
Change impact		
Risk assessment	No risk factors encountered with this change.	
Suggested implementation plan	Due to changes in device appearance we strongly recommend to contact your customs agent with our change log information, to avoid any unexpected delays in customs clearance process.	

2024.05.13: Base firmware update

We would like to inform you about the base firmware update for FMC130 starting from June, 2024. New production firmware version will be **03.29.00.Rev.18**

Change description

Change type	Firmware update	
Detailed description	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata	
Change reasons	FMC130 base firmware version update for modifications with SLM320-LA module, SLM320-E1 module and SLM320-E2 module	
Product release date	2024 June	
Affected products		
Model	Affected order codes	Order code changes
FMC130	<ul style="list-style-type: none"> • FMC1304O***** with 03.29.00.Rev.13 firmware • FMC130KY***** with 03.29.00.Rev.13 firmware • FMC130LK***** with 03.29.00.Rev.13 firmware • FMC130NQ***** with 03.29.00.Rev.13 firmware • FMC130QL***** with 03.29.00.Rev.13 firmware 	New firmware version

Change impact

Risk assessment	Client's special firmware versions or order codes with special firmware will not be updated to latest base firmware automatically. During the transition period clients might receive devices with previous Firmware version used in manufacture.
Suggested implementation plan	If you are using special firmware version and would like an upgrade to new features of latest base firmware, please contact your Teltonika sales manager.

2024.01.05: GNSS antenna changes

We would like to inform you that starting from February 2024, there will be a change in the manufacturing process of our FMC130 devices. We will be transitioning to utilize Surface Mount Device (SMD) manufactured GNSS antennas, which will replace the existing Dual-In-line Package (DIP) technique.

Change description

Change type	Mechanical part changes	
	Change of the manufacturing process, transition from Dual-In-line Package (DIP) to Surface Mount Device (SMD) process.	
Detailed description	<p>Old version: Dual-In-Line Package (DIP) manufactured antennas</p>  <p>Antenna size: 25x25x4 mm Center frequency: 1575.42 MHz, 1602 MHz VSWR: <1.1 Average Gain: -2.6 dB Return loss: <-25 dB</p>	<p>New version: Surface Mount Device (SMD) manufactured antennas</p>  <p>Antenna size: 25x25x4 mm Center frequency 1575.42 MHz, 1602 MHz VSWR: <1.9 Average Gain: -2.5 dB Return loss: <-9 dB</p>
Change reasons	Standardization of GNSS antennas throughout device portfolio and manufacturing efficiency improvements.	
Release date	February, 2024.	
Affected products		
Model	Affected order codes	Order code changes
FMC130	FMC130***** order codes	SMD manufactured antennas
Change impact		

During transition period clients might receive devices with previous DIP manufactured antennas. The transition period can last from February to June.

Since the change of the GNSS antenna is visible visually on PCB, in order to avoid problems at the customs of certain countries, we suggest informing the relevant authorities about the change of the GNSS antenna. The new SMD GNSS antenna provides an equivalent track quality and performance level, as verified through testing. Testing results:

Device	Antenna Avg. Difference from precise track [m]*
FMC130_211 SMD	3.30
FMC130_264 SMD	2.94
FMC130_351 SMD	2.65
FMC130_476 DIP	4.23
FMC130_640 DIP	3.52

* Avg. Difference from precise track - measured by comparing positioning data from devices and RTK (Real-time kinematic positioning) system data which is considered precise data. The smaller avg. difference from precise track, means better track quality.

** Testing is done inside vehicle interior. Devices were placed on the carpet, with front passenger seat removed. It is worth noting that GNSS signal is heavily influenced by the exact location device(s) is(are) placed.

Suggested implementation plan No implementation plan is needed.

Acknowledgement of PCN receipt

If no feedback is received within two weeks after the issue date of this notification - Teltonika may accept that this change has tactically accepted and can implement the change as indicated above.

2023.12.15: Base firmware update

We would like to inform you about the base firmware update for FMC130 starting from December 15th, 2023. New production firmware version will be **03.29.00.Rev.13**

Change description

Change type	Firmware update
Detailed description	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata Old version: 03.27.13.Rev.443 New version: 03.29.00.Rev.13
Change reasons	FMC130 base firmware version update for modifications with SLM320-LA module, SLM320-E1 module and SLM320-E2 module
Product release date	2023 December

Affected products



Model	Affected order codes	Order code changes
FMC130	FMC130***** with 03.27.13.Rev.443 will be replaced to FMC130***** with base firmware	New firmware version

Change impact

Risk assessment	Client's special firmware versions or order codes with special firmware will not be updated to latest base firmware automatically. During the transition period clients might receive devices with previous Firmware version used in manufacture.
Suggested implementation plan	If you are using special firmware version and would like an upgrade to new features of latest base firmware, please contact your Teltonika sales manager.

2023.12.01: Certification Engraving Update

Change description

Change type	Internal
Detailed description	The specifications of laser engraving devices have undergone modifications subsequent to their certification by Anatel and Bluetooth® SIG, ensuring compliance with rigorous standards. These changes affect FMC130-MCIB0 and FMC230-MCIB0 devices. Old laser engraving:  New laser engraving: 
Change reasons	The devices have received approval from both Anatel certification and compliance with the Bluetooth® SIG standard. These changes affect FMC130-MCIB0 and FMC230-MCIB0 devices.
Release date	December, 2023

Affected products

Model	Affected order codes	Order code changes
FMC130	FMC130-MCIB0	Updated laser engraving.

Change impact

Risk assessment	During the transition period clients might receive devices with old laser engraving.
Suggested implementation plan	No implementation plan is needed.

Acknowledgement of PCN receipt

If no feedback is received within two weeks after the issue date of this notification - Teltonika may accept that this change has tactically accepted and can implement the change as indicated above.

2023.07.01: SLM320 Modem Firmware Update

We would like to inform you, that SLM320 modem firmware has been updated for the FMC130 device and it is updated in factory from July, 2023.

Change description

Change type SLM320 modem firmware update
SLM320 modem firmware has been improved for FMC130, FMC125, FMC230, FMC225 devices.

Detailed description Old version: V51_U07 New version: V51_U09

Change reasons 1. IMSI problem and special SIM card detection fixed
2. IPv6 implementation
3. General stability enhancements

Product release date July, 2023

Affected products

Model Affected order codes Order code changes
FMC130 FMC130***** order codes which support SLM320 modem Updated SLM320 modem firmware

Change impact

Risk assessment During transition period clients might receive devices with previous SLM320 modem firmware version used in manufacture.
Suggested implementation plan No implementation plan is needed.

Acknowledgement of PCN receipt

If no feedback is received within two weeks after the issue date of this notification - Teltonika may accept that this change has tactically accepted and can implement the change as indicated above.

2023.02.02: Base firmware update

We would like to inform you about the base firmware update for FMC130 starting from March 1st, 2023. New production firmware version will be **03.27.13.Rev.443**

Change description

Change type Firmware update
Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata

Detailed description Old version: 03.27.13.Rev.54 New version: 03.27.13.Rev.443

Change reasons FMC130 base firmware version update for modifications with SLM320-LA module, SLM320-E1 module and SLM320-E2 module

Product release date 2023 March

Affected products

Model Affected order codes Order code changes
FMC130 FMC130***** with 03.27.13.Rev.54 will be replaced to FMC130***** with base firmware New firmware version

Change impact

Risk assessment Client's special firmware versions or order codes with special firmware will not be updated to latest base firmware automatically. During the transition period clients might receive devices with previous Firmware version used in manufacture.



Suggested implementation plan If you are using special firmware version and would like an upgrade to new features of latest base firmware, please contact your Teltonika sales manager.

2023.02.02: Changes in side frame for the battery placement

We would like to inform you that the side frame for the battery placement is included, helping to determine the exact location of the battery. Also, minor design changes are made to improve both case production and case assembly. These changes affect FMB110, FMB120, FMB122, FMB125, FMC125, FMM125, FMB130, FMC130, FMM130, FMB140, FMB150, FMC150, and FMM150 devices. The updates in the factory are being implemented in February, 2023.

Change description

Change type Internal
The side frame for the battery placement is included, helping to determine the exact location of the battery. Also, minor design changes are made to improve both case production and case assembly. These changes affect FMB110, FMB120, FMB122, FMB125, FMC125, FMM125, FMB130, FMC130, FMM130, FMB140, FMB150, FMC150, and FMM150 devices.

Detailed description Old Version: New Version:
 

Change reasons The battery placement is improved with a side frame, helping to determine the exact location of the battery. Minor design changes are made for case production and case assembly. These changes affect FMB110, FMB120, FMB122, FMB125, FMC125, FMM125, FMB130, FMC130, FMM130, FMB140, FMB150, FMC150, and FMM150 devices.

Product release date February, 2023

Affected products

Model Affected order codes Order code changes
FMB110, FMB120, FMB122, FMB125, FMC125, FMM125, FMB130, FMC130, FMM130, FMB140, FMB150, FMC150, FMM150 FMB110, FMB120, FMB122, FMB125, FMC125, FMM125, FMB130, FMC130, FMM130, FMB140, FMB150, FMC150, FMM150 all codes Updated the battery placement with the side frame as well as minor design changes for case production and assembly

Change impact

Risk assessment During the transition period clients might receive devices with old case design used in manufacture

Suggested implementation plan Due to changes in device appearance we strongly recommend to contact your customs agent with our change log information, to avoid any unexpected delays in customs clearance process.

Acknowledgement of PCN receipt

If no feedback is received within two weeks after the issue date of this notification - Teltonika may accept that this change has tactically accepted and can implement the change as indicated above.

2022.11.16: SLM320 Modem Firmware Update

We would like to inform you, that SLM320 modem firmware has been updated for the FMC130 device and it is updated in factory from November, 2022.

Change description

Change type	SLM320 modem firmware update	
Detailed description	SLM320 modem firmware has been improved for FMC130, FMC125, FMC230, FMC225 devices.	
Change reasons	Old version:	New version:
	V51_U03	V51_U07
Product release date	1. Fixed issue with time synchronization	
	2. Resolved issue that module cannot connect to IP with end of .0	
	3. Resolved private APN issue to make TCP connection	

Affected products

Model	Affected order codes	Order code changes
FMC130	FMC130***** order codes which support SLM320 modem	Updated SLM320 modem firmware

Change impact

Risk assessment

Suggested implementation plan

Acknowledgement of PCN receipt



If no feedback is received within two weeks after the issue date of this notification - Teltonika may accept that this change has tactically accepted and can implement the change as indicated above.

During transition period clients might receive devices with previous SLM320 modem firmware version used in manufacture. No implementation plan is needed.

2022.10.01: Bluetooth® Improvement

We would like to inform you, that Bluetooth® performance for the FMC130 device will be updated in the factory from October, 2022.

Change description

Change type	Internal	
Detailed description	BLE antenna has been improved FMC125, FMC225, FMC230 and FMC130 devices.	
Change reasons	Old version:	New version:
		
Product release date	Bluetooth® antennas are improved for FMC125, FMC225, FMC230 and FMC130 devices ensuring better signal strength.	
Product release date	October, 2022	

Affected products

Model	Affected order codes	Order code changes
FMC130	FMC130 all codes	Updated BLE antenna

Change impact

Risk assessment

Suggested implementation plan

Acknowledgement of PCN receipt

If no feedback is received within two weeks after the issue date of this notification - Teltonika may accept that this change has tactically accepted and can implement the change as indicated above.

No risk factors encountered with this change. Due to changes in device appearance we strongly recommend to contact your customs agent with our change log information, to avoid any unexpected delays in customs clearance process.

2022.03.18: Base firmware update

We would like to inform you about the base firmware update for FMC130 starting from March 18th, 2022. New production firmware version will be **03.27.13.Rev.54**

Change description

Change type	Firmware update and order codes changes	
Detailed description	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata	
Change reasons	Old version:	New version:
	FMC130 03.27.07.Rev.252	FMC130 03.27.13.Rev.54
Product release date	FMC130 base firmware version update for modifications with SLM320-L module and SLM320-E2 module	
Product release date	2022 March	

Affected products

Model	Affected order codes	Order code changes
-------	----------------------	--------------------

FMC130 FMC130**64******* order will be replaced to FMC130**40******* with base firmware
FMC130**5X******* order will be replaced to FMC130**KY******* with base firmware New firmware version

Change impact

Risk assessment Client's special firmware versions or order codes with special firmware will not be updated to latest base firmware automatically. During the transition period clients might receive devices with previous Firmware version used in manufacture.

Suggested implementation plan If you are using special firmware version and would like an upgrade to new features of latest base firmware, please contact your Teltonika sales manager.

2021.08.19: Base firmware update

We would like to inform you about the base firmware update for FMC130 starting from August 19th, 2021. New production firmware version will be **03.27.07.Rev.00**

Change description

Change type Firmware update
Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata
Detailed description Old version: FMC130 03.27.04.Rev.01 New version: FMC130 03.27.07.Rev.00
Change reasons FMC130 base firmware version update
Product release date 2021 August

Affected products

Model Affected order codes Order code changes
FMC130 FMC130***** order codes with base Firmware Update firmware

Change impact

Risk assessment Client's special firmware versions or order codes with special firmware will not be updated to latest base firmware automatically. During the transition period clients might receive devices with previous Firmware version used in manufacture.

Suggested implementation plan If you are using special firmware version and would like an upgrade to new features of latest base firmware, please contact your Teltonika sales manager.

2021.03.16: Base firmware update

We would like to inform you about the base firmware update for FMC130 starting from March 16th, 2021. The new production firmware version will be **03.27.04.Rev.01**.

Change description

Change type Firmware update
Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata
Detailed description Old version: FMC130 03.27.03.Rev.02 New version: FMC130 03.27.04.Rev.01
Change reasons FMC130 base firmware version update
Product release date 2021 March 16th.

Affected products

Model Affected order codes Order code changes
FMC130 FMC130***** order codes with base Firmware Update firmware

Change impact

Risk assessment Client's special firmware versions or order codes with special firmware will not be updated to latest base firmware automatically.

Suggested implementation plan If you are using special firmware version and would like an upgrade to new features of latest base firmware, please contact your Teltonika sales manager.

2021.02.18: Base firmware update

We would like to inform you about the base firmware update for FMC130 starting from February 18th, 2021. The new production firmware version will be **03.27.03.Rev.02**.

Change description

Change type Firmware update
Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata
Detailed description Old version: FMC130 03.27.02.Rev.00 New version: FMC130 03.27.03.Rev.02
Change reasons FMC130 base firmware version update
Product release date 2021 February 18th.

Affected products

Model Affected order codes Order code changes
FMC130 FMC130***** order codes with base Firmware Update firmware

Change impact

Risk assessment Client's special firmware versions or order codes with special firmware will not be updated to latest base firmware automatically
Suggested implementation plan If you are using special firmware version and would like an upgrade to new features of latest base firmware, please contact your Teltonika sales manager.

2020.09.25: Base firmware update

We would like to inform you about the base firmware update for FMC130 starting from September 25th, 2020. The new production firmware version will be **03.27.02.Rev.01**.

Change description

Change type Firmware update.
Key improvements from last production firmware are listed in errata: [FMC130 firmware errata](#)
Detailed description Old version: FMC130 03.25.10.Rev.175 New version: FMC130 03.27.02.Rev.01
Change reasons FMC130 base firmware version update for EMEA region.
Product release date 2020 September 25th.

Affected products

Model Affected order codes Order code changes
FMC130 FMC130C5**** order codes with base Firmware Update firmware

Change impact

Risk assessment Client's special firmware versions or order codes with special firmware will not be updated to latest base firmware automatically.
Suggested implementation plan If you are using special firmware version and would like an upgrade to new features of latest base firmware, please contact your Teltonika sales manager.

2019.11.28: Top Device Marking Changes

We would like to inform you, that tampography of the FMC130 device was updated to engraving in the factory.

Change description

Change type External/visual
Device marking changed from tampography to laser printing. Information provided on module will remain the same
Detailed description Old Version: New Version:
Change reasons To improve manufacturing speed, efficiency and reliability
To increase quality, precision and durability of marking.
Product release date Planned date: 2019 December

Affected products

Model all codes with standard marking Order code changes
FMC130 FMC130***** No changes

Change impact

Risk assessment No risk factors encountered with this change
Suggested implementation plan No implementation plan needed

Acknowledgement of PCN receipt

If no feedback is received within two weeks after the issue date of this notification - Teltonika may accept that this change has been tacitly accepted and can implement the change as indicated above