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

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	Change of mechanical components within PCB: 1. U4100 changed to APM32F003F6U6 2. Changed SWD pinout 3. Added QR to BOT side 4. Icreased TestPoint diameter 5. 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 project 9. Discrete DOUT -> DOUT chip (clearly visible) 10. Changed fuse to a smaller footprint (clearly visible) Old version: New version:
Change reasons	The PCB shape in the afore-mentioned devices is updated to streamline the manufacturing process, making it more efficient.

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	
	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata	
Detailed description	Old version: 03.29.00.Rev.13	New version: 03.29.00.Rev.18
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	• 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.	
	Old version: Dual-In-Line Package (DIP) manufactured antennas	New version: Surface Mount Device (SMD) manufactured antennas
Detailed description		
	Antenna size: 25x25x4 mm Center frequency: 1575.42 MHz, 1602 MHz VSWR: <1.1 Average Gain: -2.6 dB Return loss: <-25 dB	Antenna size: 25x25x4 mm Center frequency 1575.42 MHz, 1602 MHz VSWR: <1.9 Average Gain: -2.5 dB Return loss: <-9 dB
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

Risk assessment

```
* 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: New version:
	03.27.13.Rev.443 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 Firware 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
Detailed description	SLM320 modem firmware has been improved for FMC130, FMC125, FMC230, FMC225 devices.

	Old version:	New version:
	V51_U07	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
Detailed description	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata

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

	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.

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.	
	Old version: V51_U03	New version: V51_U07
Change reasons	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	
Product release date	November, 2022	

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.

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.	
	Old version: 	New version:
Change reasons	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	FCM130 all codes	Updated BLE antenna

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.

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.

2022.03.18: 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	
	Old version: FMC130 03.27.07.Rev.252	New version: FMC130 03.27.13.Rev.54
Change reasons	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**4O**** 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	
Detailed description	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata	
	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	
Detailed description	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata	
	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	
Detailed description	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMC130_firmware_errata	
	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.	
Detailed description	Key improvements from last production firmware are listed in errata: [FMC130 firmware errata](#)	
	Old version:	New version:
	FMC130 03.25.10.Rev.175	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	
Detailed description	Device marking changed from tampography to laser printing. Information provided on module will remain the same	
	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