FMB640 Product Change Notifications

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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 FMB640 tracking device. Below you will find a list of both upcoming and already implemented changes sorted from newest to oldest (top to bottom).

PCN:

☐

Contents

2023.04.24: FMB640 END OF LIFE Announcement

The product End of Life (EOL) announcement signifies that a product has entered the final phase of Teltonika Product Life Cycle. Announcement serves as an advance notice of product termination in accordance with Teltonika EOL policy. Nevertheless, there is still enough time for you to order and get support that you need for the products that will be discontinued. Please contact your sales manager for more information.

End Of Production date: **2023-09-15**

Last Order date: **2023-06-16**
End of Bug-fixing date: **2025-04-18**
End of Support date: **2025-10-27**

2023.07.18: Base firmware update

We would like to inform you about the base firmware update for FMB640 starting in start - August 2023. New production firmware version will be **01.02.27.Rev.06**.

Change description

Change type	Firmware update	
	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMB640_firmware_errata	
Detailed description	Old version: FMB640 01.02.22.Rev.04	New version: FMB640 01.02.27.rev.06
Change reasons	FMB640 base firmware version update	
Product release date	Start of August 2023.	

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******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. During transitional period, codes ordered with base Firmware version might contain 01.02.22.Rev.04 Firmware versions.
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

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

2023.07.17: GNSS antenna changes

We would like to inform you about the [GNSS antenna changes update](#) for FMB640 starting date changed to August 2023.

Change description

Change type	Mechanical part changes	
	Old version:	New version:
Detailed description	Dimensions - 45.2x35.8x15.1 mm Center frequency - 1575.42 MHz, 1602 MHz Bandwidth - 10 MHz VSWR on bandwidth - <1.5 GAIN - 2 dB LNA minimum gain - 26 dB LNA maximum gain - 30 dB Consumption - 11 mA	Dimensions - 46x44x13 mm Center frequency - 1575.42 MHz, 1602 MHz Bandwidth - 35 MHz VSWR on bandwidth - <1.9 GAIN - 3 dB LNA minimum gain - 26.5 dB LNA maximum gain - 29.5 dB Consumption - 9 mA Consumption - 11 mA
Change reasons	Reaction to antenna market volatility.	
Product release date	August 2023	

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******order codes	No changes

Change impact

Risk assessment	No risk factors encountered with this change. New antennas were used in mass production before
Suggested implementation plan	No implementation plan needed

2023.04.12: SIM usage recommendation update

We would like to inform you about the SIM usage recommendation change - due to SIM card market tendencies (Standard size SIM cards being made to split to 3 parts) [FMC640 First Start](#)

Recommendation description

Recommendation reason	Due to SIM card market tendencies (Standard size SIM cards being made to split to 3 parts)
	New paragraph about SIM usage is added to product First Start description. Previously SIM insertion recommendation was only described in schematics - **SIM1 shown in lower slot, SIM2 in upper slot.**
Detailed description	Due to SIM market tendencies the documentation was updated to more clearly state SIM1 and SIM2 usage recommendations: **FMX6 devices use Standard size SIM cards for SIM1 and SIM2. Currently most of the SIM cards provided by operators can be disassembled into 3 parts - Standard/Micro/Nano. Depending on the SIM card construction - during device usage in harsh conditions, SIM assembly might come apart which causes instability when connecting to operator.** **To avoid such risk:** **1) If possible - ask operator for Standard SIM card with solid construction (not pre-cut to 3 parts)** **2) Do not use SIM cards that were previously disassembled (SIM was taken apart previously)** **3) If you plan to use only one SIM card - insert it into SIM1 slot (lower slot) - this ensures greater pressure on SIM contacts as the contact bed is pushed by PCB.** **When 2 SIM cards are used simultaneously risk is mitigated as well - when SIM1 is inserted, a greater pressure is applied for SIM2, so SIM parts are harder to come lose**

Change impact

Risk assessment	Recommendation updated to mitigate risk.
Suggested implementation plan	If you used one SIM card and it's placed in SIM1 slot (lower) - **no implementation plan needed.** If you used 2 SIM cards - SIM1 in lower slot, SIM2 in upper slot - **no implementation plan needed.** If you used eSIM - **no implementation plan needed.** If you used one SIM card and it is inserted into SIM2 slot (upper) - **to mitigate risk of bad operator connectivity due to SIM construction - for future installations - when only 1 SIM card is used - insert it into SIM1 slot (lower)** Additionally: **If possible - ask operator for Standard SIM card with solid construction (not pre-cut to 3 parts)**

2023.03.01: GNSS antenna changes

We would like to inform you about the [GNSS antenna changes update](#) for FMB640 starting date changed to March 2023.

Change description

Change type	Mechanical part changes	
	Old version:	New version:
Detailed description	Dimensions - 46x44x13 mm Center frequency - 1575.42 MHz, 1602 MHz Bandwidth - 35 MHz VSWR on bandwidth - <1.9 GAIN - 3 dB LNA minimum gain - 26.5 dB LNA maximum gain - 29.5 dB	Dimensions - 45.2x35.8x15.1 mm Center frequency - 1575.42 MHz, 1602 MHz Bandwidth - 10 MHz VSWR on bandwidth - <1.5 GAIN - 2 dB LNA minimum gain - 26 dB LNA maximum gain - 30 dB

Change reasons	Reaction to antenna market volatility.	
Product release date	March 2023	

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******order codes	No changes

Change impact

Risk assessment	No risk factors encountered with this change. New antennas were used in mass production before
Suggested implementation plan	No implementation plan needed

2022.09.02: Base firmware update

We would like to inform you about the base firmware update for FMB640 starting in start - September 2022. New production firmware version will be **01.02.22.Rev.04**.

Change description

Change type	Firmware update	
Detailed description	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMB640_firmware_errata	
	Old version: FMB640 01.00.13	New version: FMB640 01.02.22.Rev.04
Change reasons	FMB640 base firmware version update	
Product release date	Start of September 2022.	

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******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. During transitional period, codes ordered with base Firmware version might contain 01.00.13.Rev.00 and 01.02.22.Rev.02 Firmware versions.
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

Acknowledgement of PCN receipt

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2022.05.24: GNSS antenna changes

We would like to inform you about the GNSS antenna changes for FMB640 starting September 2022.

Change description

Change type	Mechanical part changes	
	Old version:	New version:
Detailed description	Dimensions - 46x44x13 mm Center frequency - 1575.42 MHz, 1602 MHz Bandwidth - 35 MHz VSWR on bandwidth - <1.9 GAIN - 3 dB LNA minimum gain - 26.5 dB LNA maximum gain - 29.5 dB Consumption - 9 mA	Dimensions - 45.2x35.8x15.1 mm Center frequency - 1575.42 MHz, 1602 MHz Bandwidth - 10 MHz VSWR on bandwidth - <1.5 GAIN - 2 dB LNA minimum gain - 26 dB LNA maximum gain - 30 dB Consumption - 11 mA
Change reasons	Reaction to antenna market volatility.	
Product release date	September 2022	

Affected products

Model	Affected order codes	Order code changes

FMB640	FMB640*******order codes		No changes

Change impact

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

2021.08.16: SMA soldering changes

We would like to inform you that Antenna connectors (SMA SMD type) in FMB640 devices will be soldered from both sides of PCB starting from mid-August 2021.
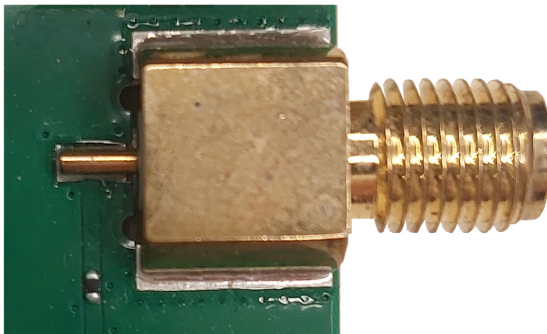
Change description

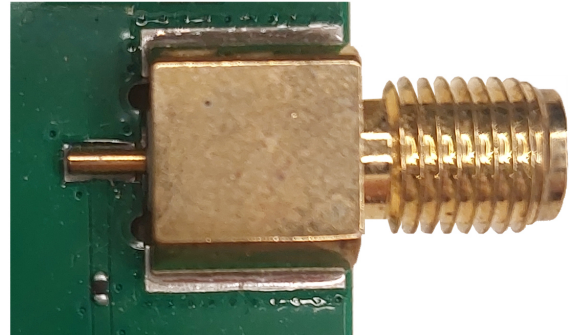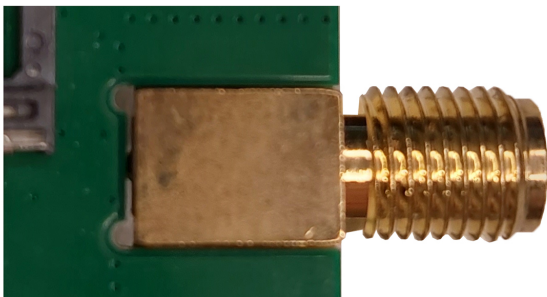|	
Change type	Internal

New version:

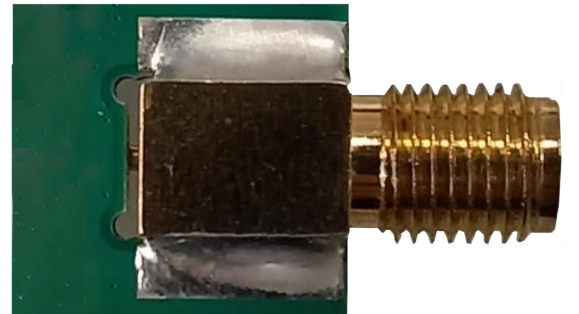Old version:

TOP SIDE

TOP SIDE

Detailed description

BOTTOM SIDE

BOTTOM SIDE

Change reasons/Description In order to increase the structural rigidity and unify the manufacturing process of Teltonika IoT Group devices, SMA connector will be soldered on the top side of PCB (same as before) and on the bottom side of PCB (performed additionally).

Product release date Second half of August 2021

Affected products

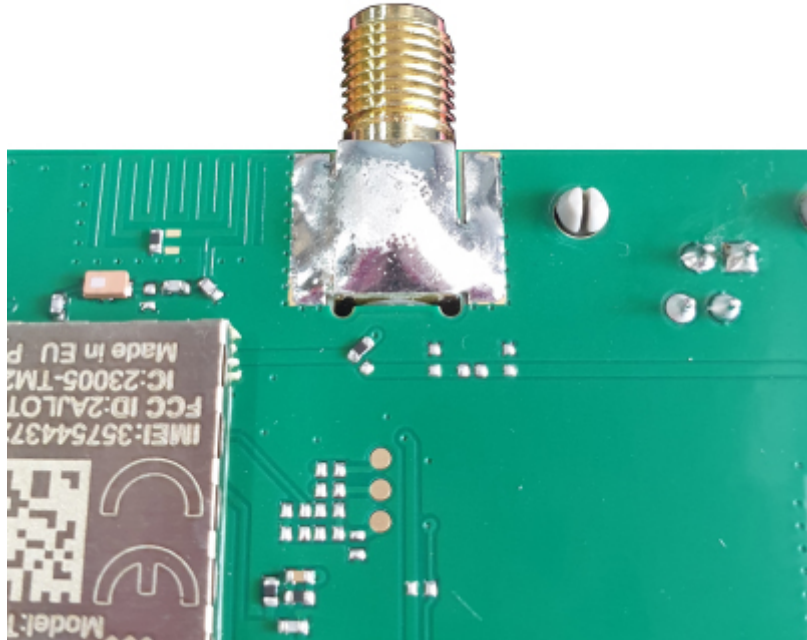| Model	Affected order codes	Order code changes
FMB640	FMB640*******	SMA soldering changes

Change impact

Risk assessment	Due to THT assembly process, some devices might have an excess amount of soldering on the SMA connector. This does not affect GSM/GNSS antenna characteristics and does not interfere with device case assembly, therefore, device functionality remains unchanged.
Suggested implementation plan	No implementation plan needed

Acknowledgement of PCN receipt

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2021.08.03: Upgraded casing

We would like to inform you, that FMB640 device case will be updated in the factory by the end of August 2021.

Change description

Change type	External/visual	
Detailed description	Old version: ❌	New version: ❌
Change reasons/Description	Changes are made only in internal part of the case:. 1. Additional ribs added to battery guard walls 2. A third section of the wall added Changes are made to ensure easier and more sufficient manufacturing process of the case itself - change has no effect on device functioning.	
Product release date	End of August 2021	

Affected products

Model	Affected order codes	Order code changes

FMB640	FMB640*******	New casing

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

2021.05.26: Base firmware update

We would like to inform you about the base firmware update for FMB640 starting from May 26 2021. New production firmware version will be **01.00.13**.

Change description

Change type	Firmware update
Detailed description	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMB640_firmware_errata Old version: New version: FMB640 01.00.05 FMB640 01.00.13
Change reasons	FMB640 base firmware version update
Product release date	Second half of June 2021.

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******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

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

2021.05.18: New material and design changes on the device casing

We would like to inform you, that FMB640 device case will be updated in the factory on first half of June 2021.

Change description

Change type	External/visual	
Detailed description	Old version: 	New version:
Change reasons/Description	1. New material unifies the device design across all platforms. 2. LED indentations improve Dust/Water resistance - LEDs are visible through thin layer of material. 3. New battery guard ensures battery placement during device transportation and usage.	
Product release date	First half of June 2021	

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******	New casing

Change impact

Risk assessment	No risk factors encountered with this change
Suggested implementation plan	Small indentation on top of USB socket will allow you to identify the cases quicker

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

2021.03.01: Top Laser Printing Changes

We would like to inform you, that laser printing of the FMB640 device was updated in the factory on March 2021.

Change description

Change type	External/visual
Detailed description	Top laser printing design changed Old version: New version:
Change reasons	1. Updated Emark certificate number. 2. Added UKCA label. 3. Updated Teltonika brand to Teltonika Telematics.
Product release date	March 2021

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******	New casing

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 been tacitly accepted and can implement the change as indicated above

2020.11.24: GNSS antenna changes

We would like to inform you about the GNSS antenna changes for FMB640 starting from late December 2020 - early January 2021.

Change description

Change type	Mechanical part changes	
	Old version:	New version:
Detailed description	Dimensions - 45.2x35.8x15.1 mm Center frequency - 1575.42 MHz, 1600 MHz Bandwidth - 10 MHz VSWR on bandwidth - <1.5 GAIN - 3 dB LNA minimum gain - 26 dB	Dimensions - 46x44x13 mm **Center frequency - 1575.42 MHz, 1602 MHz** **Bandwidth - 35 MHz** VSWR on bandwidth - <1.9 GAIN - 3 dB LNA minimum gain - 26.5 dB

Change reasons	According to technical comparison new antenna is better by next parameters: center frequency, bandwidth, consumption. Other parameters are the same. Moreover, the new antenna is thinner, which gives the opportunity to mount it, where it was not possible before and makes installation easier.
Product release date	Late December 2020 - Early January 2021

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******order codes	No changes

Change impact

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

2020.10.26: Base firmware update

We would like to inform you about the base firmware update for FMB640 starting from October 26th, 2020. New production firmware version will be **01.00.05**.

Change description

Change type	Firmware update	
Detailed description	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMB640_firmware_errata	
	Old version: FMB640 00.03.79	New version: FMB640 01.00.05
Change reasons	FMB640 base firmware version update	
Product release date	2020 October 26th.	

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******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

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

2020.08.10: Base firmware update

Change description

Change type	Firmware update	
Detailed description	Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMB640_firmware_errata	
	Old version: FMB640 00.03.65	New version: FMB640 00.03.79
Change reasons	FMB640 base firmware version update	
Product release date	2020 August 10th.	

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******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

2019.10.18: New FMB640 case design / Top Marking Changes

Change description

External/visual	Packaging	
Detailed description	New case design. Device marking changed from tampography to laser printing. Information provided on module will remain the same.	
	Old version: 	New version:
	Dimensions: 104.5 (L) x 70.9 (W) x 31.5 (H) mm	**Dimensions:** 104.5 (L) x 71.6 (W) x 27.3 (H) mm

Change reasons	New case design as other FMB series devices to fit corporate design and make it more ergonomic, smaller in dimensions.	
	Tampography to laser printing changed, to improve manufacturing speed, efficiency and reliability.	
Product release date	Planned date: 2020 First part of January	

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640******	No changes

You can already order a sample with a new case and laser printing by order code: FMB6403BFE01. (Max quantity of samples per order 2pcs)

Change impact

Risk assessment	Risk assessment for devices management required
Suggested implementation plan	No implementation plan needed

Acknowledgement of PCN receipt

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To download the pdf version of this notification, [click here](#).

2019.07.22: new no brand Eco friendly boxes

Effective from 1Q of the year 2020, FMB640 trackers with no brand packaging will be shipped with a **new no brand eco-friendly box**.

Change description

Change type	Packaging	
Detailed description	Improved and more environmentally friendly packaging box	
	Old single packaging version:	New single packaging version:
	Dimensions: 177 (W) x 145 (D) x 64 (H)	**Dimensions:** 173 (W) x 148 (D) x 71 (H)
Change reasons	The new box is better for the environment	
Product release date	Devices with new packaging will be released in manufacturing from 1Q of year 2020 with 2 months of transition period. Over this period devices with white packaging can be delivered as well as devices with the new eco boxes.	

Affected products

Model	Affected order codes	Order code changes
FMB640, FM6300.	FMB640******, FM6300******.	No changes

Change impact

Risk assessment	No risk factors encountered with this change
Suggested implementation plan	Due to the new look of boxes we strongly recommend to update your marketing materials. Because of the new color of the packaging box, if necessary, update your branding materials (stickers, logo layouts).

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

2019.06.14: Device module information display changes

We would like to inform you, that the information display on device module TM2500 will be updated in the factory from July 2019.

Change description

Change type	External/visual	
Detailed description	Information display on TM2500 module will change from sticker to laser print. Information provided on module will remain the same.	
	Old Version:	New Version:
Change reasons	Laser printing will increase reliability, speed, and will reduce paper waste.	
Product release date	Devices with new module marking will be released in manufacturing from July with 2 months of transition period. Over this period devices with sticker can be delivered as well as devices with laser print.	

Affected products

Model	Affected order codes	Order code changes
FMB001, FMB010, FMB100, FMB110, FMB120, FMB122, FMB125, FMB202, FMB204, FMB900, FMB920, FMB964, FMT100, FMB640, FMB130, MTB100, TMT250, GH5200.	FMB001******, FMB010******, FMB100******, FMB110******, FMB120******, FMB122******, FMB125******, FMB202******, FMB204******, FMB900******, FMB920******, FMB964******, FMT100******, FMB640******, TMT250******, FMB130******, MTB100******, GH5200******.	No changes

Change impact

| Risk assessment | The change will not affect clients. All the module characteristics will remain unchanged. The only sticker on module will be changed to laser print. The displayed information will remain the same. |
| 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 the 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 been tacitly accepted and can implement the change as indicated above

To download the pdf version of this notification, click here.

2019.04.10: IMEI/SN display on device Changes

We would like to inform you, that IMEI/SN info display on the FMB640 device will be updated in the factory from June 2019.

Change description

Change type	External/visual
Detailed description	IMEI/SN info on device display change from barcode to QR
	Old Version: New Version:
	This change will not affect device packing and logistic lists. It will remain as barcode.
Change reasons	QR format will increase reliability and minimize error rate, because of the error correction feature and improved reading in low contrast.
Product release date	Devices with new QR Code format will be released in manufacturing from June with 2 months of transition period. Over this period devices with barcode can be delivered as well as devices with QR code.

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640******	No changes

Change impact

| Risk assessment | Risk assessment for devices management required |
| Suggested implementation plan | Due to changes in device information display we strongly recommend to check, and prepare your tools to read QR codes. |

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

To download the pdf version of this notification, click here

2019.03.04: Top Tampography Changes

We would like to inform you, that tampography of the FMB640 device was updated in the factory on the 4th of March.

Change description

Change type	External/visual
Detailed description	Top tampography design changed
	Old Version: New Version:
Change reasons	1. Updated Teltonika address to Saltoniskiu st. 9B-1 2. Added WEEE label. (WEEE - Waste from Electrical and Electronic Equipment)
Product release date	Updated tampography will be used from the time when the stock will be sold all leftovers.

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******	No 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.

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

To download the pdf version of this notification, [click here](#).

2019.01.18: New eco friendly box

Effective January 2019, week 4, FMB640 trackers will be packed with a **new eco-friendly box**.

Change description

Change type	Packaging	
Detailed description	Improved and more environmentally friendly packaging box Old version: 	New version:
Change reasons	The new box is better for the environment	
Product release date	January 2019, week 4	

Affected products

Model	Affected order codes	Order code changes
FMB640	FMB640*******	No 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.

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

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