

FMB641 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 FMB641 tracking device. Below you will find a list of both upcoming and already implemented changes sorted from newest to oldest (top to bottom).

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2023.07.18: GNSS antenna changes

We would like to inform you about the [GNSS antenna changes update](#) for FMB641 starting date changed to August 2023.

Change description

Change type	Mechanical part changes	
	Old version: <input type="checkbox"/>	New version: <input type="checkbox"/>
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
FMB641	FMB641*****order codes	No changes

Change impact

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

2023.06.02: Base firmware update

We would like to inform you about the base firmware update for FMB641 starting from July 02 2023. New production firmware version will be **02.02.17.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/FMB641_firmware_errata	
Change reasons	Old version: FMB641 02.02.16.Rev.03	New version: FMB641 02.02.17.Rev.04
Product release date	FMB641 base firmware version update July 2023.	

Affected products

Model	Affected order codes	Order code changes
FMB641	FMB641*****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

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)
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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.**



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

Detailed description

Change impact

Risk assessment

Recommendation updated to mitigate risk.

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.**

Suggested implementation plan

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)**

2023.02.27: GNSS antenna changes

We would like to inform you about the [GNSS antenna changes update](#) for FMB641 starting date changed to March 2023.

Change description

Change type

Mechanical part changes

Old version:

New version:

Detailed description

Dimensions - 46x44x13 mm

Dimensions - 45.2x35.8x15.1 mm

Center frequency - 1575.42 MHz, 1602 MHz

Center frequency - 1575.42 MHz, 1602 MHz

Bandwidth - 35 MHz

Bandwidth - 10 MHz

VSWR on bandwidth - <1.9

VSWR on bandwidth - <1.5

GAIN - 3 dB

GAIN - 2 dB

LNA minimum gain - 26.5 dB

LNA minimum gain - 26 dB

LNA maximum gain - 29.5 dB

LNA maximum gain - 30 dB

Consumption - 9 mA

Consumption - 11 mA

Change reasons

Reaction to antenna market volatility.

Product release date

March 2023

Affected products

Model

FMB641

Affected order codes

FMB641*****order codes

Order code changes

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

2023.02.24: Base firmware update

We would like to inform you about the base firmware update for FMB641 starting from February 24 2023. New production firmware version will be **02.02.16.Rev.03**.

Change description

Change type Firmware update
Detailed description Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMB641_firmware_errata
Old version: FMB641 02.02.15.Rev.06 New version: FMB641 02.02.16.Rev.03
Change reasons FMB641 base firmware version update
Product release date March 2023.

Affected products

Model Affected order codes Order code changes
FMB641 FMB641*****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. Firmware 02.02.16.rev.03 new factory firmware has configuration stability improvements especially for clients which is using J1708 functionality.
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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2022.10.07: Base firmware update

We would like to inform you about the base firmware update for FMB641 starting from October 07 2022. New production firmware version will be **02.02.15.Rev.06**.

Change description

Change type Firmware update
Detailed description Key improvements from last production firmware are listed in errata: https://wiki.teltonika-gps.com/view/FMB641_firmware_errata
Old version: FMB641 02.02.09.Rev.00 New version: FMB641 02.02.15.Rev.06
Change reasons FMB641 base firmware version update
Product release date October 2022.

Affected products

Model Affected order codes Order code changes
FMB641 FMB641*****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

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2022.05.24: GNSS antenna changes

We would like to inform you about the GNSS antenna changes for FMB641 starting September 2022.

Change description

Change type Mechanical part changes
Old version:  New version: 
Dimensions - 46x44x13 mm Dimensions - 45.2x35.8x15.1 mm
Center frequency - 1575.42 MHz Center frequency - 1575.42 MHz,
MIU- 1602 MIU- 1602 MIU-

Change reasons Reaction to antenna market volatility.

Product release date September 2022

Affected products

Model	Affected order codes	Order code changes
FMB641	FMB641*****order codes	No changes

Change impact

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

2022.04.29: Base firmware update

We would like to inform you about the base firmware update for FMB641 starting from April 29 2022. New production firmware version will be **02.02.09.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/FMB641_firmware_errata
Change reasons	Old version: FMB641 02.02.04.Rev.00 New version: FMB641 02.02.09.Rev.00
Product release date	FMB641 base firmware version update May 2022.

Affected products

Model	Affected order codes	Order code changes
FMB641	FMB641*****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