



FMB1YX and FMA1YX MIGRATION

This document describes main differences between FMB1YX and its predecessor FMA1YX. Also since 2018 January FMB1YX has a set of new features which are also distinguished in this document. Here we show the main functionality differences and how to achieve more enhanced performance of FMB1YX. For more detailed information about new features please refer to User Manuals.

MAJOR DIFFERENCES BETWEEN FMA1YX AND FMB1YX

	FMA1YX	FMB1YX
Hardware differences		
	TM2500 Module (GSM/GPRS + GNSS) GPRS class 12 33/99 acquisition channels -165dBm sensitivity	TM2500 Module (GSM/GPRS + GNSS) GPRS class 12 33/99 acquisition channels -165dBm sensitivity
		
	Hot start <1s Warm start <25s Cold start <35s	Hot start <1s Warm start <25s Cold start <35s
	<i>Not supported</i>	Bluetooth v3.0 support (till 2017-12) Bluetooth v4.0 LE support (since 2018-01)
	10 PIN socket	12 PIN socket
	Internal 1MB flash memory	128MB microSD memory (till 2017-12) Internal 128MB flash (since 2018-01)
	One SIM	Dual SIM (2x full SIM cards) (till 2017-12) Dual SIM (1x microSIM and 1x eSIM) (since 2018-12)
	mini USB	micro USB



FMA1YX



FMB1YX

Hardware differences



CAN adapters connected via USB

CAN adapters connected via main socket

Firmware and Software differences



Old message format for setparam command e.g
"setparam 1245 avl3.teltonika.it"

New SMS format for setparam command e.g
"**setparam 1245:avl3.teltonika.it**"



Single parameter change over one SMS

Multiple parameters change over one SMS



Standard configurator and firmware

One configurator for all FMB devices



Sleep/Deep Sleep/Online sleep modes

Sleep/Deep Sleep/Online sleep/Ultra Deep Sleep modes



NTP only

NTP + NITZ Time Synchronization



Separate firmware updater application

Firmware can be updated via configurator



Not supported

Voice calls via Bluetooth hands-free



Not supported

Bluetooth OBDII dongle support



Not supported

Configuration over Bluetooth



Not supported

Status window in configurator



Not supported

DOUT control via incoming call



Not supported

Incoming call actions



Not supported

Excessive Idling



FMA1YX



FMB1YX

Firmware and Software differences



Not supported

GNSS Fuel Counter



Not supported

Help messages in configurator



Not supported

Crash detection with crash trace



Not supported

Unplug detection



Not supported

Towing detection



Not supported

FOTA WEB support



Not supported

Bluetooth 4.0 LE sensors support (since 2018-01)

FMB1YX GNSS/GSM trackers series consist of four different devices, this allow you to select the tracker which is most suitable for your needs. To make selection easier, please check below table:

	FMB110	FMB120	FMB122	FMB125
Digital input	3	3	3	1
Digital output	2	2	2	1
Analog input	2	2	2	1
RS232/RS485	-	-	-	Yes
GNSS antenna	Internal	Internal	External	External
GSM antenna	Internal	Internal	Internal	Internal
Internal battery	-	170mAh Li-ion 3.7V	170mAh Li-ion 3.7V	170mAh Li-ion 3.7V

NOTE: DIN3 can be simultaneously selected as AIN2 on all FMB1YX devices except FMB125.