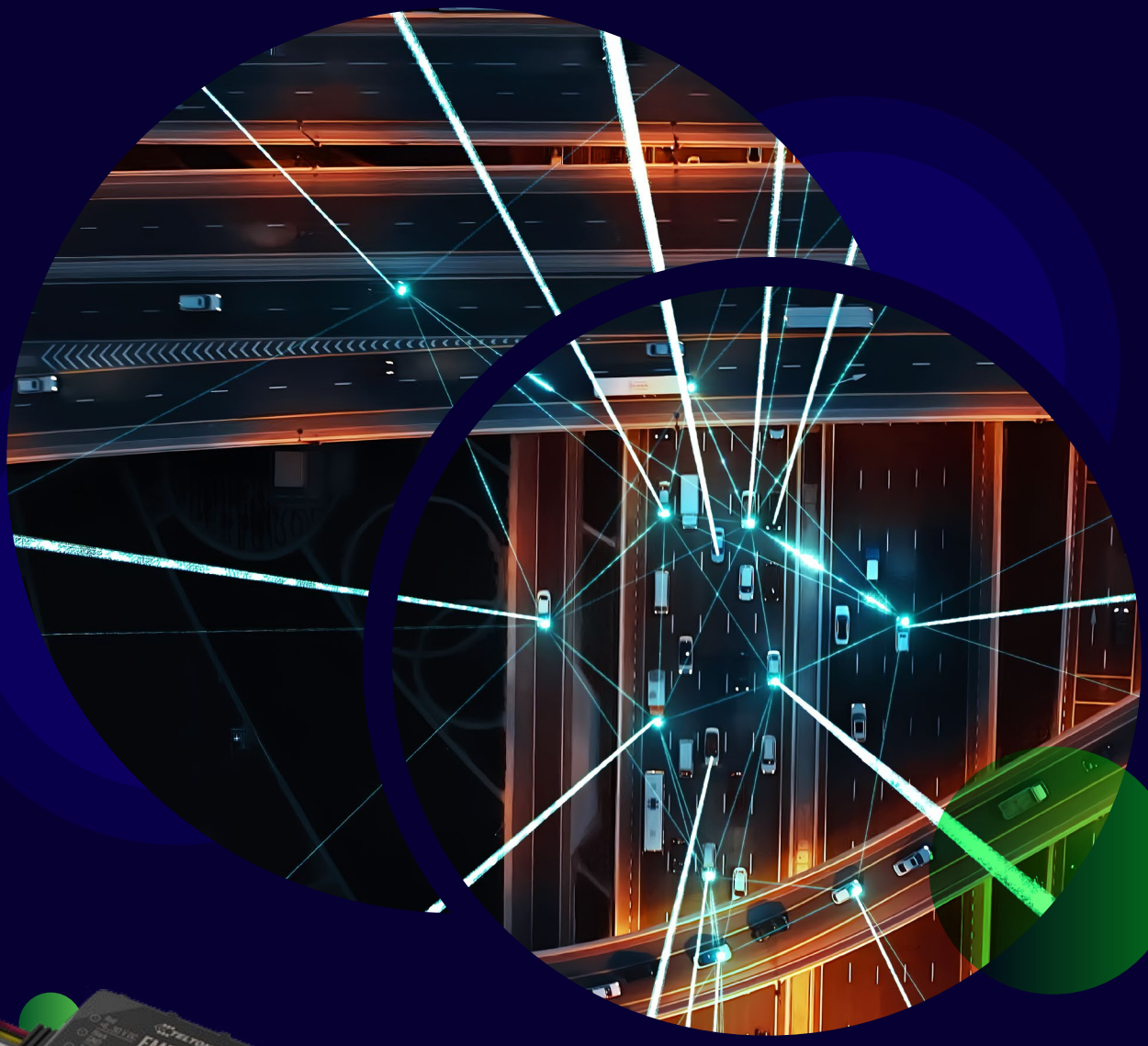
Version 1.9

Teltonika

Settings guide to report to MiX Fleet Manager



MiX TELEMATICS
MOBILE INFORMATION EXCHANGE

INTRODUCTION

This document details the required settings for Teltonika hardware to successfully report to MiX Fleet Manager.

Please adhere to the recommended default values specified in this document to ensure that the device integrates correctly with MiX Fleet Manager. Some advanced settings are also covered in this document, but these are not required for standard track and trace functionality.

Please note that some of the sections might not be relevant to your device, due to older firmware or features not supported on the specific device.

SUPPORTED **FEATURES**

The current supported features for Teltonika Hardware models in MiX Fleet Manager are listed below.
Note that older discontinued hardware models will not be supported as the protocol might not be aligned.

SUPPORTED **FEATURES**	SUPPORTED **HARDWARE TYPES**
TRIPS	All hardware models
OVER-SPEEDING	All hardware models
HARSH ACCELERATION	All hardware models
HARSH BRAKING	All hardware models
HARSH CORNERING	All hardware models
EXCESSIVE IDLE	All hardware models
POWER DISCONNECT	All hardware models
POWER RECONNECT	All hardware models
LOW BATTERY	All hardware models
LOW INTERNAL BATTERY	All hardware models
IMPACT DETECTION (CRASH)	All hardware models
DRIVER ID – DALLAS TAG ONLY	Supported Hardware with 1-wire
OVER-REVVING	HW models that detect via CAN module or BT dongle
ENGINE RPM	HW models that detect via CAN module or BT dongle
FUEL QUANTITY	HW models that detect via CAN module or BT dongle
ODOMETER	HW models that detect via CAN module or BT dongle
ENGINE HOURS (TOTAL)	HW models that detect via CAN module or BT dongle
START OF TRIP FUEL TANK LEVEL PERCENTAGE	HW models that detect via CAN module or BT dongle

END OF TRIP FUEL TANK LEVEL PERCENTAGE	HW models that detect via CAN module or BT dongle
DOOR OPENED	HW models that detect via CAN module or BT dongle
DRIVER SEATBELT NOT ENGAGED	HW models that detect via CAN module or BT dongle
PASSENGER SEATBELT NOT ENGAGED	HW models that detect via CAN module or BT dongle
ENGINE LIGHT (MIL) ON	HW models that detect via CAN module or BT dongle
DIAGNOSTIC TROUBLE CODE	HW models that detect via CAN module or BT dongle
ENGINE COOLANT TEMPERATURE HIGH	HW models that detect via CAN module or BT dongle
ENGINE OIL LEVEL LOW	HW models that detect via CAN module or BT dongle
INPUT 1 HIGH	Supported HW models only
INPUT 1 LOW	Supported HW models only
INPUT 2 HIGH	Supported HW models only
INPUT 2 LOW	Supported HW models only
VIN	Supported HW models only

SUPPORTED EVENT THRESHOLD CHANGES VIA **MIX FLEET MANAGER**

Some event values are configurable via MiX Fleet Manager for Teltonika hardware. When changing these values, the device will only update to the new settings once the device is online.

		DEVICE LIMITS			
EVENT	**ALL HARDWARE MODELS**	**DEFAULT**	**MIN**	**MAX**	**UNITS**
Set Odo	All hardware models	0	0	4294967	km
Over-speeding	All hardware models	120	0	255	km/h
Harsh braking	All hardware models	4.17	0.5	10	m/s/s
Harsh acceleration	All hardware models	2.78	0.5	10	m/s/s
Harsh Cornering	All hardware models	5.9	0.5	10	m/s/s
Excessive idle	All hardware models	300	0	3600	seconds
Over-revving	HW models that read RPM via CAN, BT dongle	5000	0	16384	rpm

SUPPORTED **COMMAND VIA MIX FLEET MANAGER**

- Enable/Disable Immobilizer
- Request current position

IMPORTANT SETTINGS FOR SUCCESSFUL DATA TRANSFER.

- Priority settings: Always use **Low priority**, else data will be received we out of sync
- Section *8.5* - Record Settings: Sort by **Oldest**
- Section *11.2* and Overspeeding: Use **Speed** in I/O *section 18* and not Overspeeding in Features section
- Section *15.1* Trips settings: Low Priority, Enable, Continuous settings should be used
- Section *19* and *20* you need to enable relevant CAN and OBDII settings if used.

STARTING THE CONFIGURATOR APPLICATION

Ensure you are using the configurator that is compatible with your hardware model.

HOW TO INSTALL USB DRIVERS (WINDOWS)

1.Please download COM port drivers from Teltonika **here**.
2.Extract and run TeltonikaCOMDriver.exe.
3.Click **Next** in driver installation window.
4.In the following window click **Install** button.
5.Setup will continue installing the driver and eventually the confirmation window will appear. Click **Finish** to complete the setup.

HOW TO INSTALL TELTONIKA CONFIGURATOR TOOL

1.Please download suitable Configurator based on your hardware model from **Teltonika Wiki page**.
2.Extract the **Teltonika.Configurator_x.x.x_x.x.x_x.x.zip** to a location on your computer.
3.Browse to that location of extracted folder.
4.Run **Teltonika.Configurator.exe** to launch the program.

.NET PROBLEMS

In some cases we have seen .NET issues with the application that cannot be run. To resolve this issue, please refer to this link: https://wiki.teltonika-gps.com/view/.NET_Runtime_for_Desktop_installation

Once you launch the application, you will see the device connected to your computer.

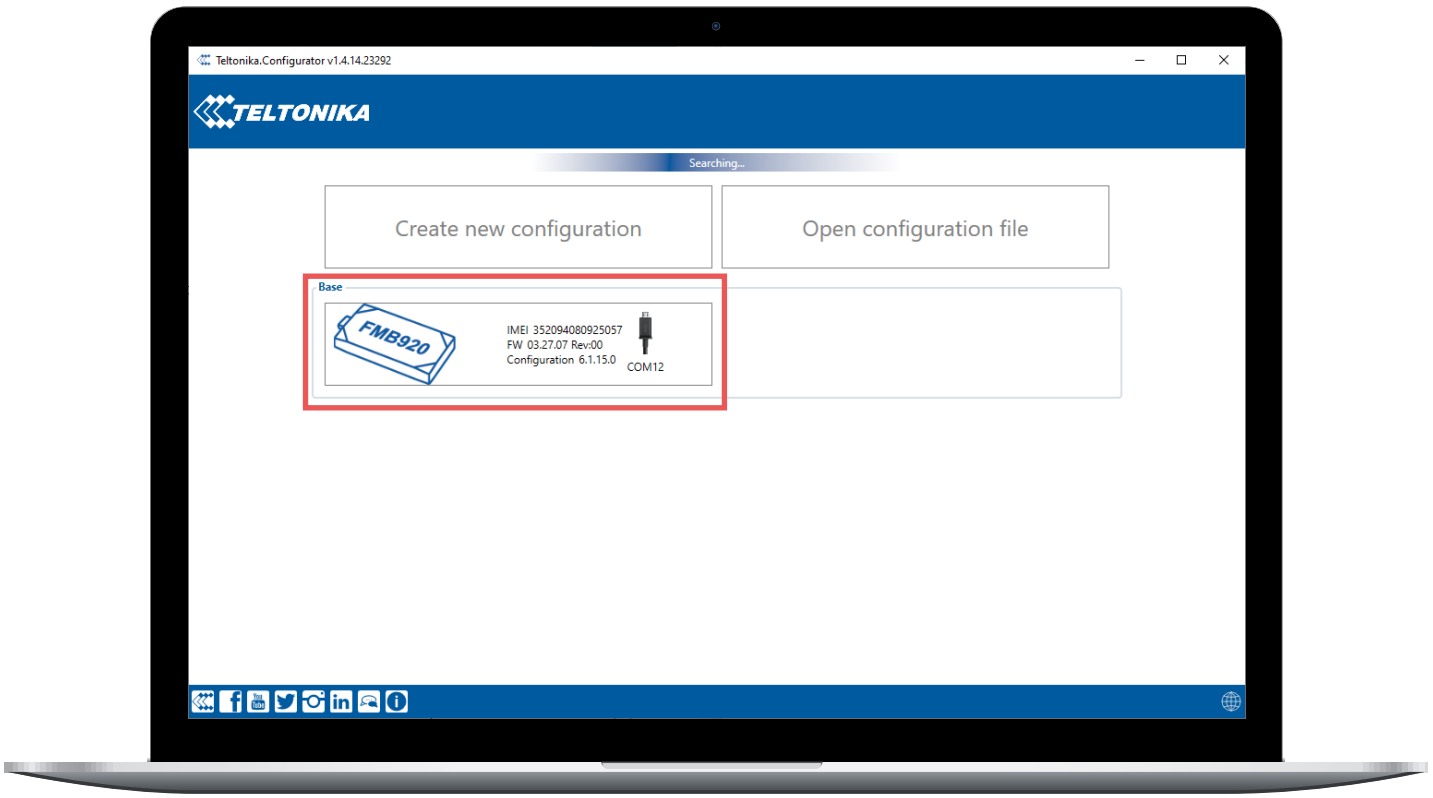
To connect your unit to the configurator, use a USB cable or can connect via Bluetooth. The device should also be connected to a power source or successful connection would not be possible.

Select the connected device to open the settings.

Other options:

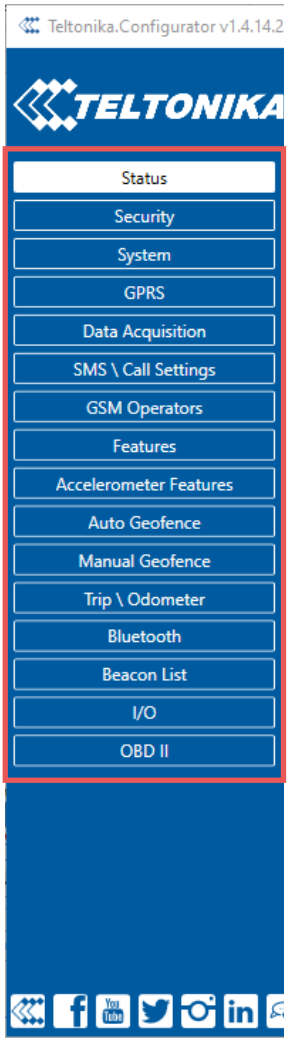
- **Create new configuration:** To create a new configuration file without having a device connected. This file can then be saved and copied to another device via the Configurator app or (over the air) OTA via FOTA web platform.

- **Open configuration file:** To open a saved configuration file and edit.



NAVIGATION PANELS

Overview of the Navigation panel and what settings are associated to it. Sections will only be visible if the hardware supports it.



OVERVIEW	To view status of device like firmware version, connectivity status etc.
SECURITY	To set SIM PIN and configuration password.
SYSTEM	Movement/Ignition source settings, sleep settings, GPS settings.
GPRS	APN and server details.
DATA ACQUISITION	AVL rate settings.
SMS \ CALL SETTINGS	Set user/pass for SMS commands to avoid someone changing settings via SMS.
GSM OPERATORS	Not used
FEATURES	Harsh event, Jamming, and other settings.
ACCELEROMETER FEATURES	Not used
AUTO GEOFENCE	Not used
MANUAL GEOFENCE	Not used
TRIP \ ODOMETER	Trip settings.
BLUETOOTH	Not used
BEACON LIST	Not used
I/O	Over speeding set here
OBD II	Only supported devices.

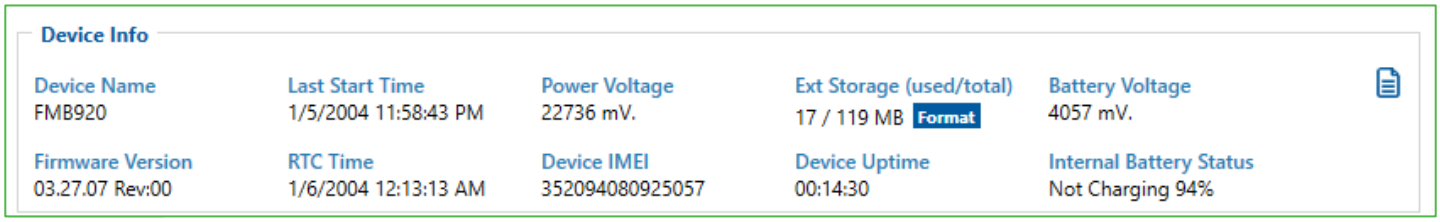
LOAD FROM DEVICE	Load the setting that is on the device.
LOAD FROM FILE	Load settings from a saved configuration file.
SAVE TO DEVICE	Save all setting to the device.
SAVE TO FILE	Save all settings to a file.
UPLOAD FIRMWARE	Update the firmware of the device.
READ RECORDS	Not used
RESET CONFIGURATION	Restore factory settings of the device.
REBOOT DEVICE	Reboot the device.

STATUS

The status screen gives information about the device and connectivity status.

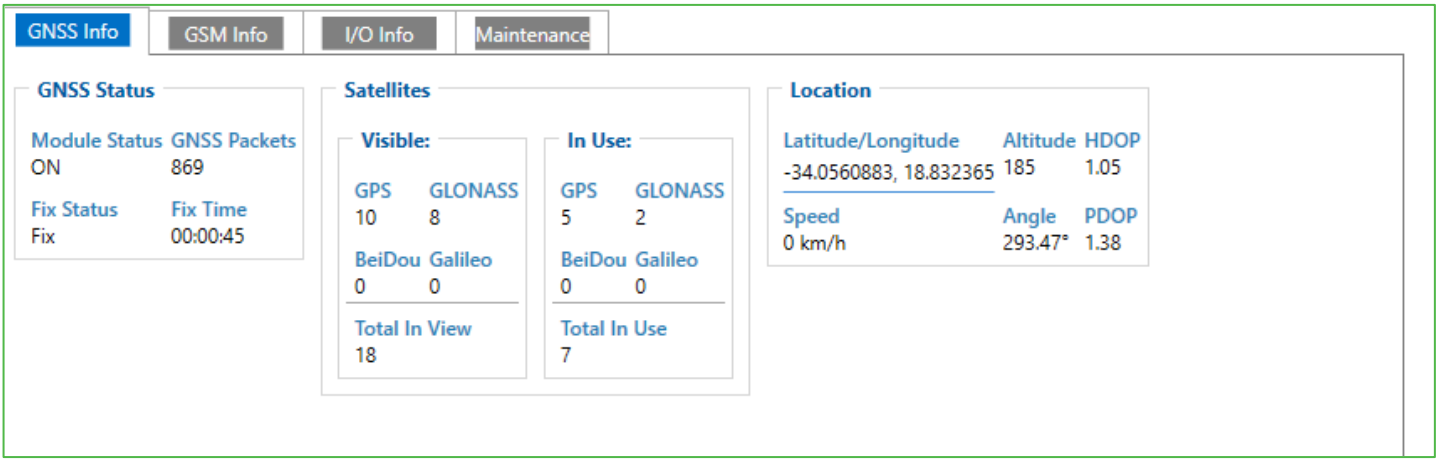
DEVICE INFO

Shows all the device's details, the firmware version, charge state, IMEI, etc.



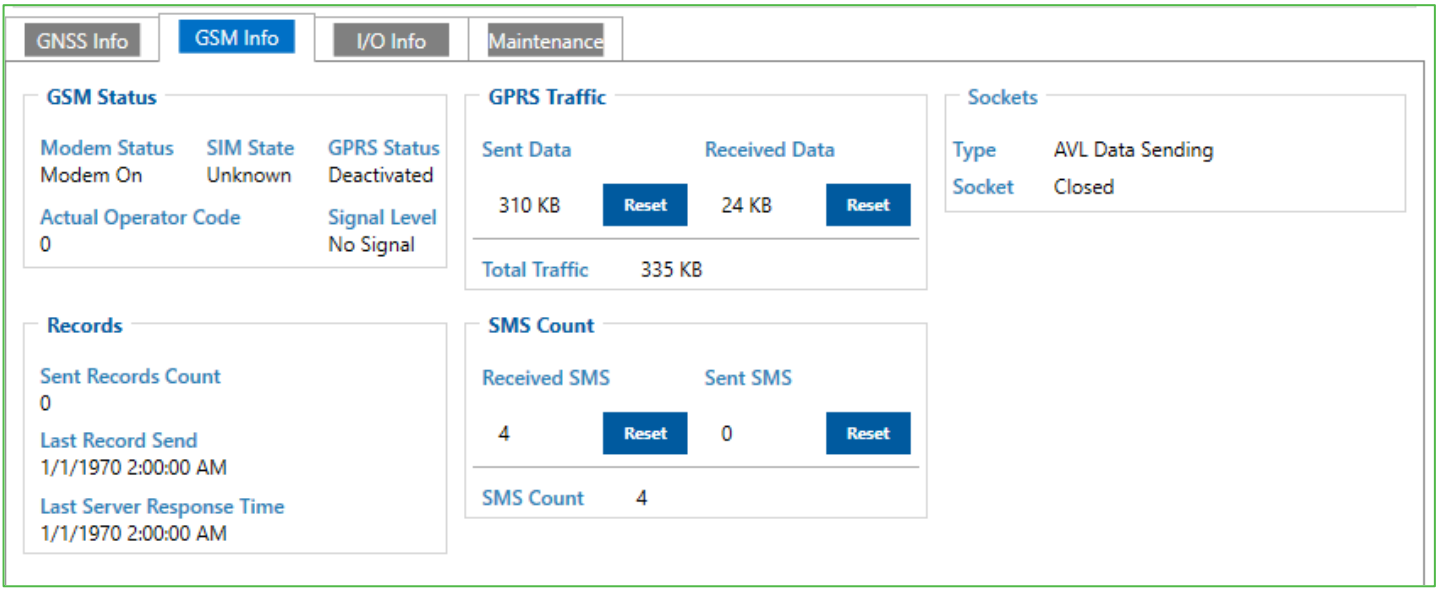
GNSS INFO

Shows GPS information



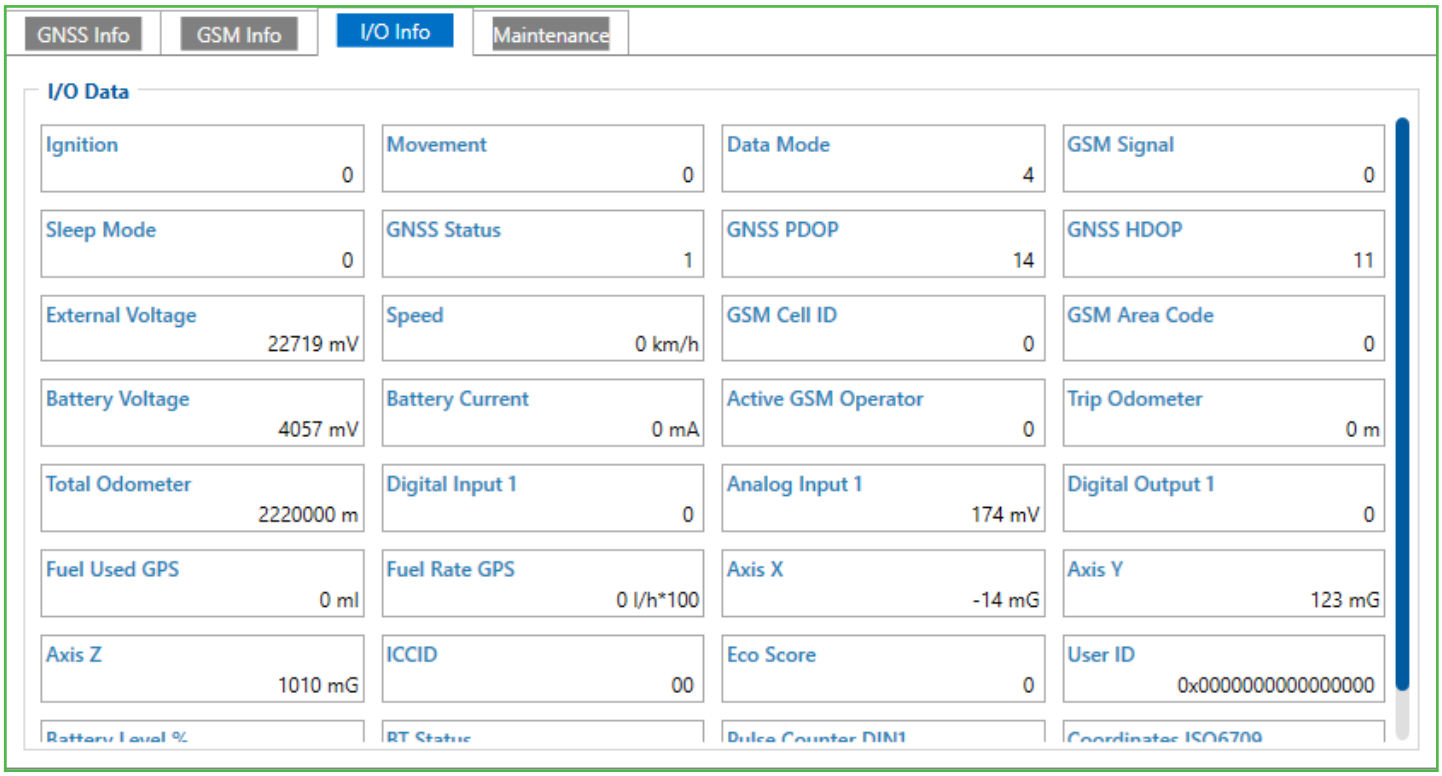
GSM INFO

Shows network status, data (records) sent, data traffic and SMS counter as well as servers (sockets).



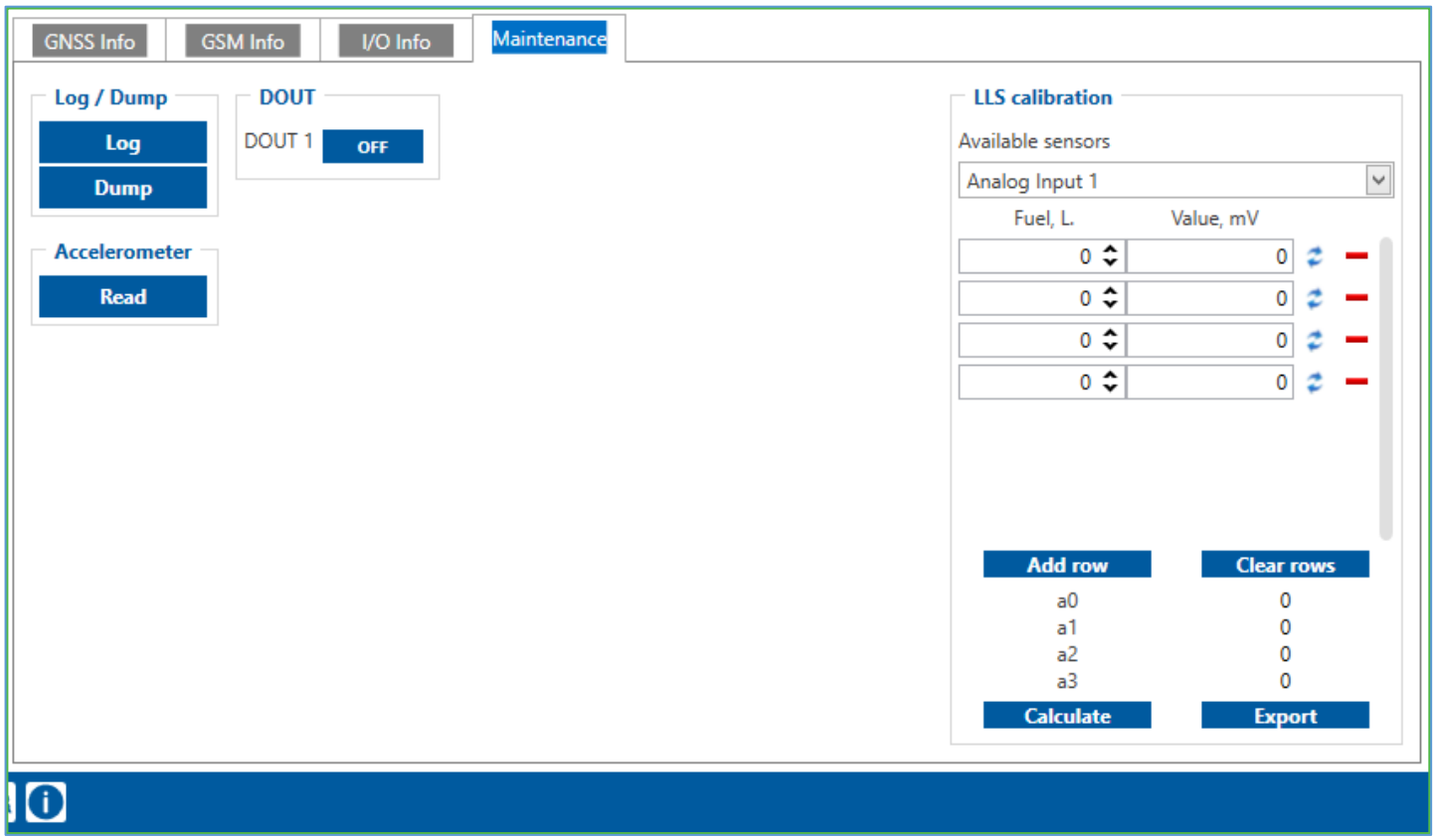
I/O INFO

Shows the I/O elements values like Ignition/Movement status, etc.



MAINTENANCE

This section is only used for advanced logs by the Teltonika support team.



SECURITY

Here you can set a SIM pin and a secret password to lock the settings so that no one can change it.

ENABLE PIN

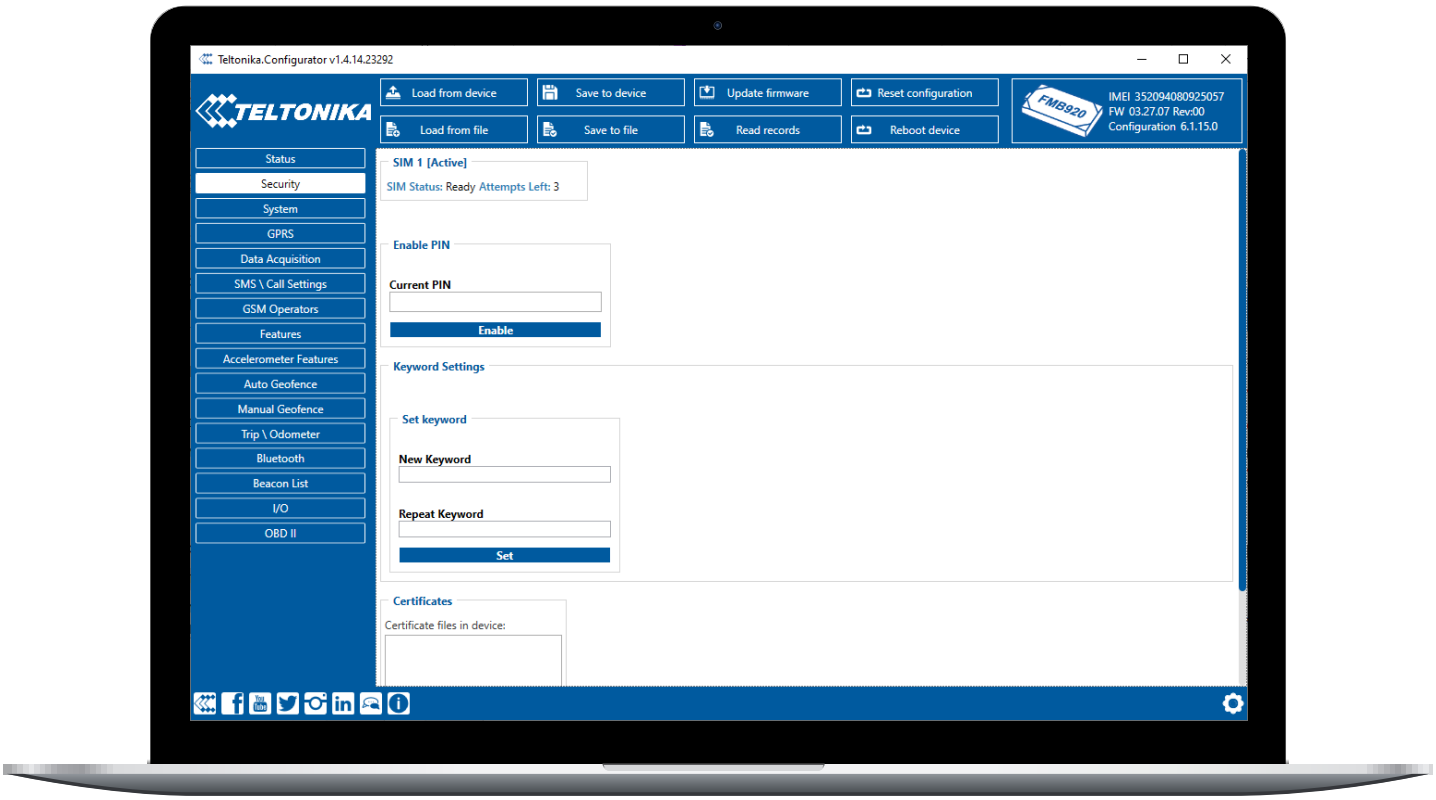
Set your SIM PIN number on the device.

KEYWORD SETTINGS

A “keyword” is set by default for the devices to avoid someone changing settings when connecting to a computer.

CERTIFICATES

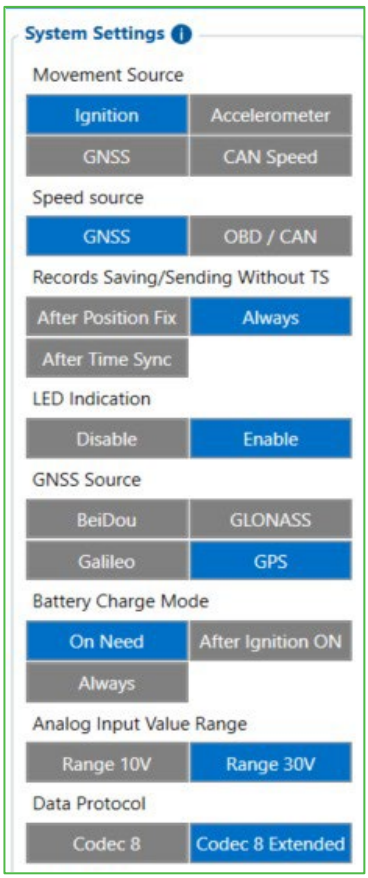
Not used.



SYSTEM

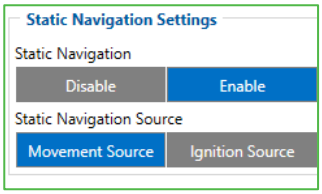
The system section is mainly used to define the ignition and movement source.

SYSTEM SETTINGS



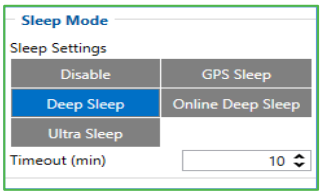
SECTION	DEFAULT OPTION TO SELECT
Movement Source	Ignition
Speed Source	GNSS
Records Saving/Sending Without TS	Always
LED Indicator	Enable
GNSS Source	GLONASS , GPS
Battery Charge Mode	After Ignition ON
Data Protocol	Either. Codec8 = Basic functions Codec 8 Extended – new features like driverID via Dallas iButton

STATIC **NAVIGATION** SETTINGS



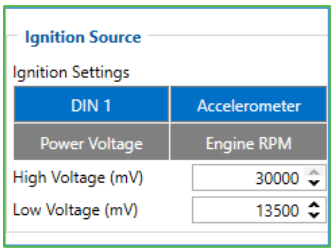
STATIC NAVIGATION	STATIC NAVIGATION SOURCE
Enable	Movement Source

SLEEP MODE



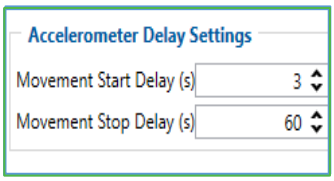
SLEEP SETTINGS	TIMEOUT (MIN)
Deep Sleep	10

IGNITION SOURCE



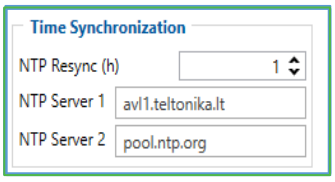
IGNITION SETTINGS	DIN1 , ACCELEROMETER IF NO INPUTS, THEN "POWER VOLTAGE"
High/Low Voltage Only applicable is "Power Voltage" used	High = 30000 Low = 13500 (depending on Alternator voltage)

ACCELEROMETER **DELAY SETTINGS**



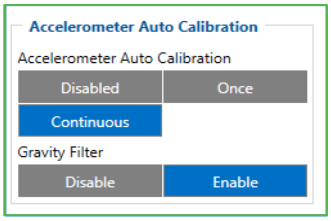
MOVEMENT START DELAY (S)	MOVEMENT STOP DELAY (S)
3	60

TIME **SYNCHRONIZATION**



NTP RESYNC (H)	NTP SERVER1 / NTP SERVER2
NTP Server1 / NTP Server2	avl1.teltonika.lt / pool.ntp.org

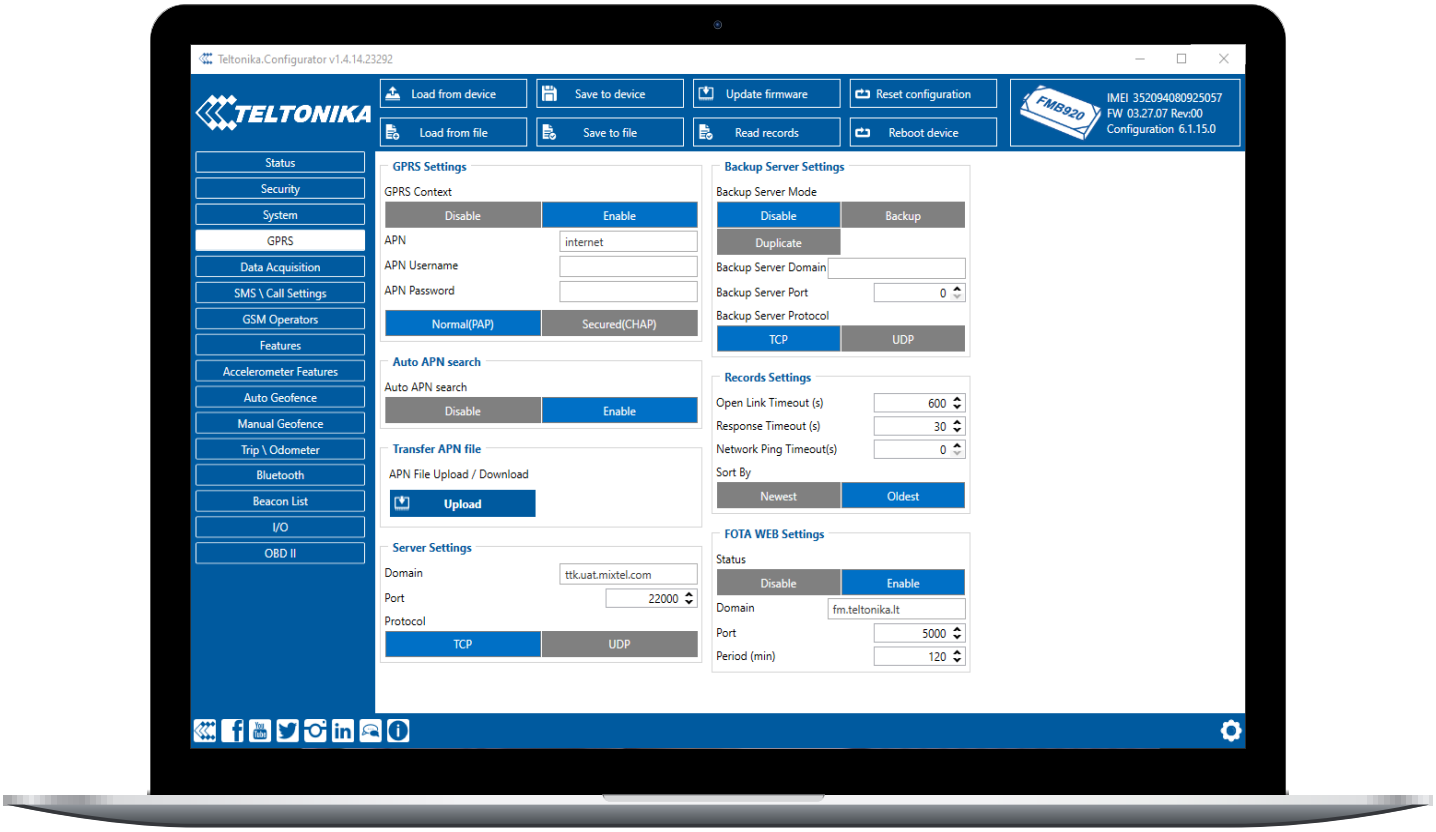
ACCELEROMETER **AUTO CALIBRATION**



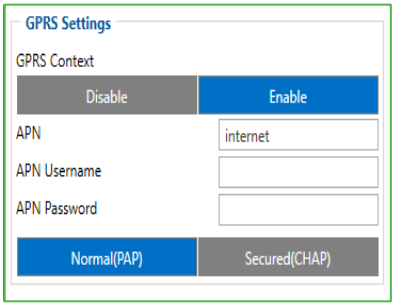
ACCELEROMETER AUTO CALIBRATION	GRAVITY FILTER
Continuous	Enable

GPRS

The GPRS section covers all APN and server settings.

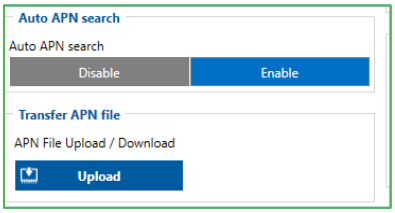


GPRS SETTINGS



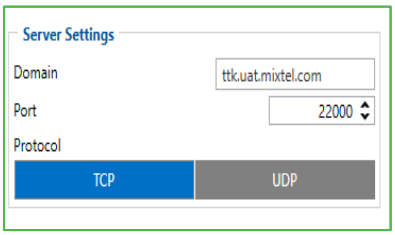
GPRS CONTEXT	Enable
APN	Internet (If private APN used, it needs to be able to reach the servers)
USERNAME AND PASSWORD	Only if required
MODE	Normal(PAP)

AUTO APN SEARCH / TRANSFER APN FILE



AUTO APN SEARCH	Not supported, do not use
TRANSFER APN FILE	Not supported, do not use

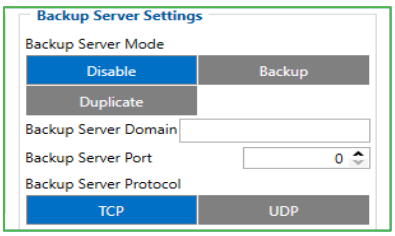
SERVER SETTINGS



DOMAIN/PORT	Depends on which MiX Fleet Manager environment you connect to, see table below.
PROTOCOL	TCP

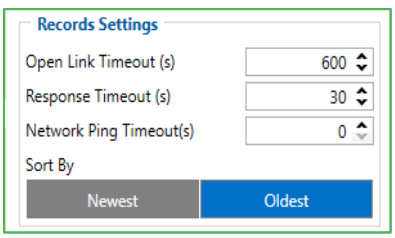
PLATFORM	DATACENTRE	DOMAIN	PORT
MiX Fleet Manager	ZA	ttk.za.mixtel.com	22000
	AU	ttk.au.mixtel.com	22000
	UK	ttk.uk.mixtel.com	22000
	ENT	ttk.ent.mixtel.com	22000
	US	ttk.us.mixtel.com	22000

BACKUP SERVER SETTINGS



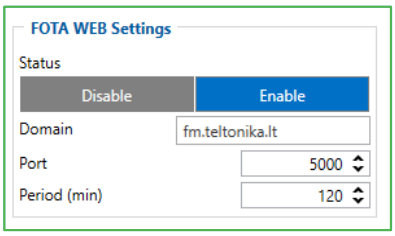
DOMAIN/PORT	Depends on which MiX Fleet Manager environment you connect to, see table above.
PROTOCOL	TCP

RECORDS SETTINGS



OPEN LINK TIMEOUT (S)	600
RESPONSE TIMEOUT (S)	30
NETWORK PING TIMEOUT (S)	0
SORT BY	Oldest

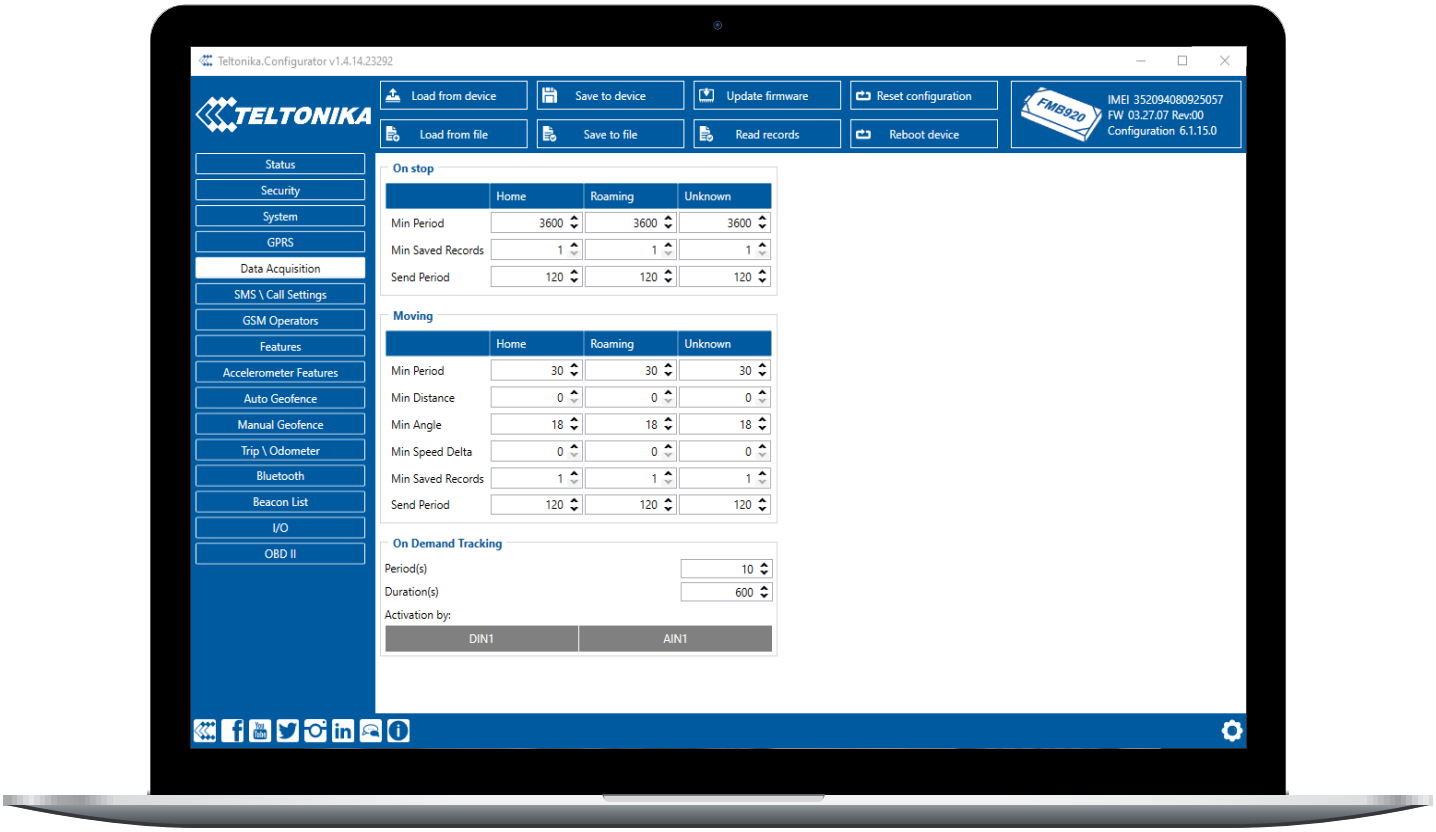
FOTA WEB SETTINGS



STATUS	Enable
DOMAIN	fm.teltonika.lt
PORT	5000
PERIOD (MIN)	120

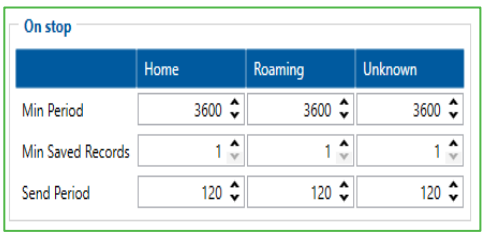
DATA ACQUISITION

In this section you can adjust the AVL rate of the unit.



ON STOP

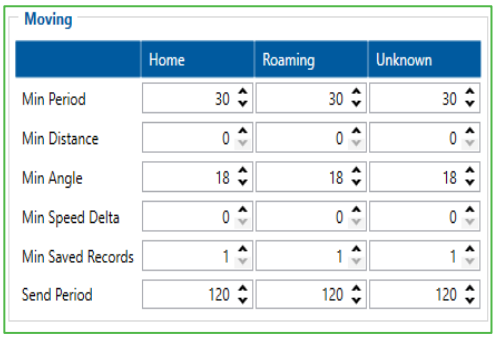
AVL rate “Out of Trip”



SECTION	Home	Roaming	Unknown
MIN PERIOD	3600	3600	3600
MIN SAVED RECORDS	1	1	1
SEND PERIOD	120	120	120

MOVING

AVL rate “In Trip



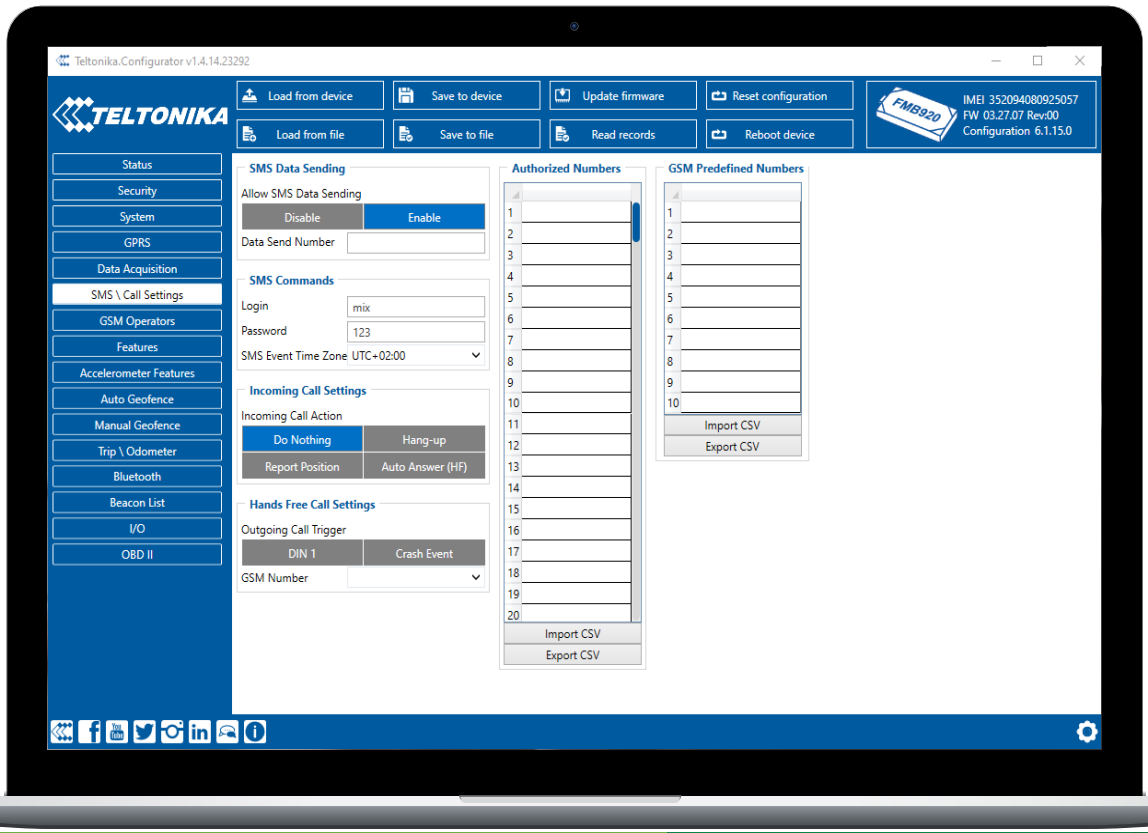
SECTION	Home	Roaming	Unknown
MIN PERIOD	30	30	30
MIN DISTANCE	0	0	0
MIN ANGLE	18	18	18
MIN SPEED DELTA	0	0	0
MIN SAVED RECORDS	1	1	1
SEND PERIOD	120	120	120

ON DEMAND TRACKING

Not supported in MiX Fleet Manager.

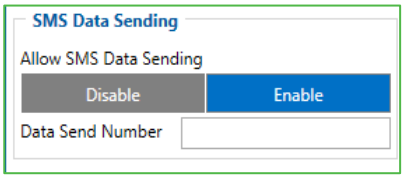
GSM OPERATORS

Use this section to enable SMS commands and set a user/pass for these commands.



SMS DATA SENDING

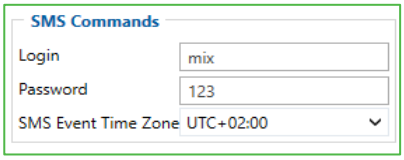
To Enable SMS function



ALLOW SMS DATA SENDING	DATA SEND NUMBER
Enable	

SMS COMMANDS

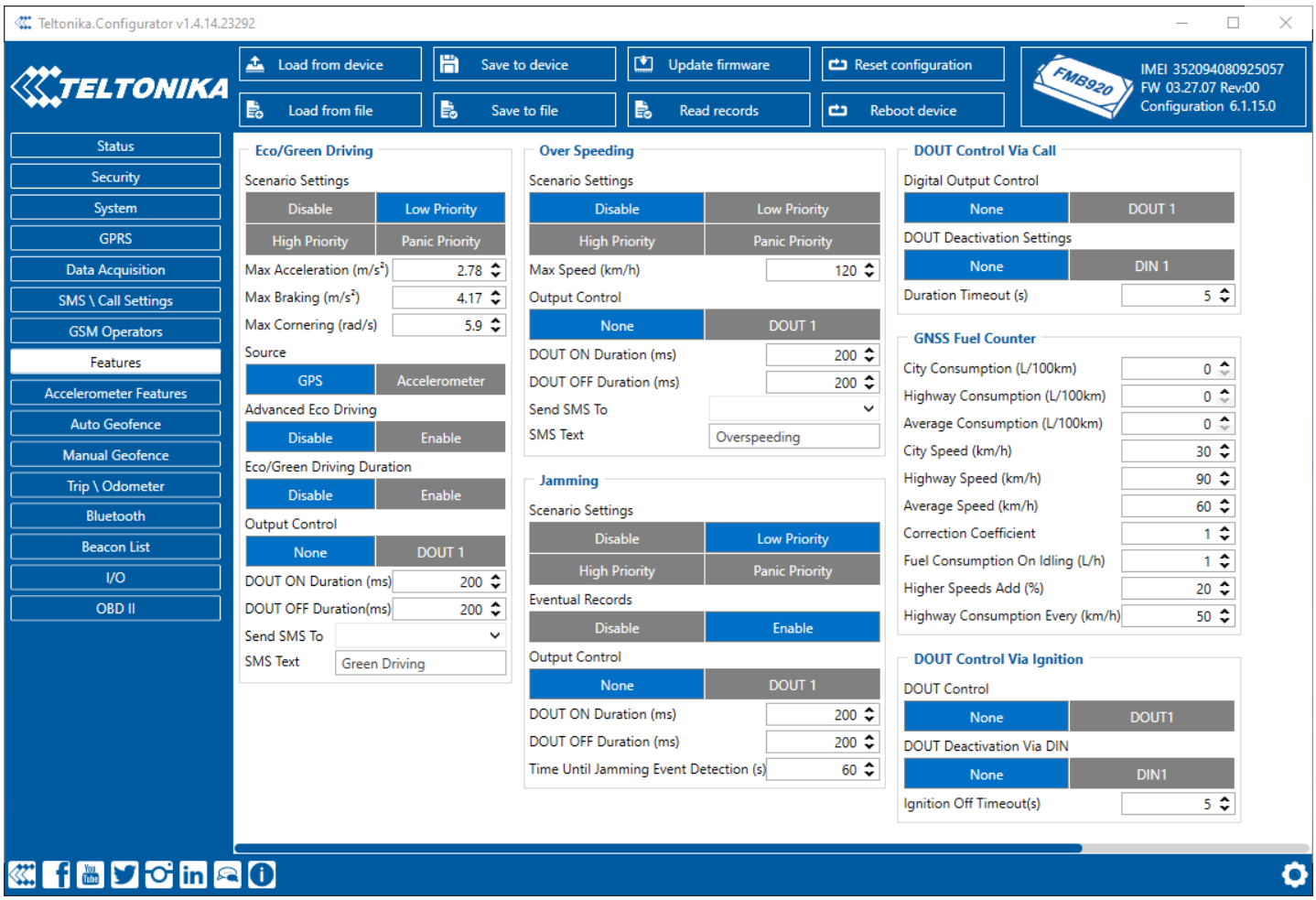
To set a user/pass for setting changes via SMS



LOGIN	PASSWORD	SMS EVENT TIME ZONE
mix	123	any (function not used)

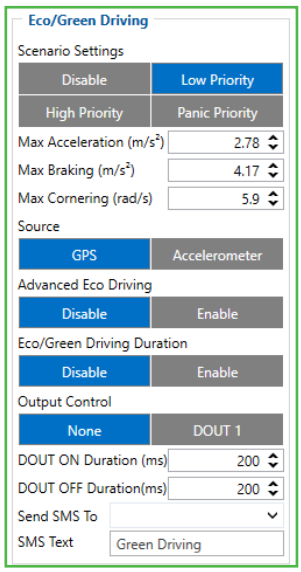
FEATURES

This section is to set harsh driving and jamming:



ECO/GREEN DRIVING

Harsh acceleration, braking and cornering limits



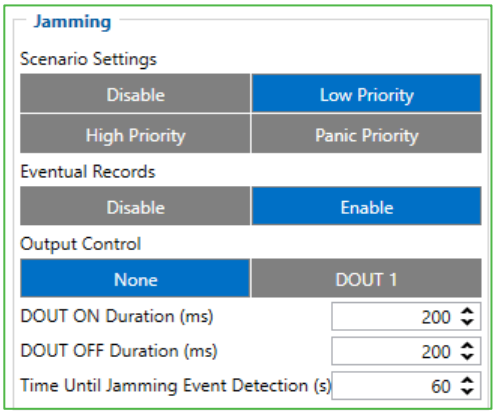
SCENARIO SETTING	Low Priority
MAX ACCELERATION (M/S²)	2.78
MAX BRAKING (M/S²)	4.17
MAX CORNERING (RAD/S)	5.9
SOURCE	GPS
ADVANCED ECO DRIVING	Disabled
ECO/GREEN DRIVING DURATION	Disabled
OUTPUT CONTROL	None
DOUT ON DURATION (MS)	any (function not used)
DOUT OFF DURATION (MS)	any (function not used)
SEND SMS TO	
SMS TEXT	Green Driving

OVER SPEEDING

Do not use this section. This function is set via I/O options. This function will give two over speeding events, once when going over the limit and then when going below the limit. No duration option is available.

JAMMING

GSM jamming event



SCENARIO SETTING	Low Priority
EVENTUAL RECORDS	Enabled
OUTPUT CONTROL	None
DOUT ON DURATION (MS)	any (function not used)
DOUT OFF DURATION (MS)	any (function not used)
TIME UNTIL JAMMING EVENT DETECTION (S)	any (function not used)

DOUT CONTROL VIA CALL

This section is not supported on MiX Fleet Manager Integration

GNSS FUEL COUNTER

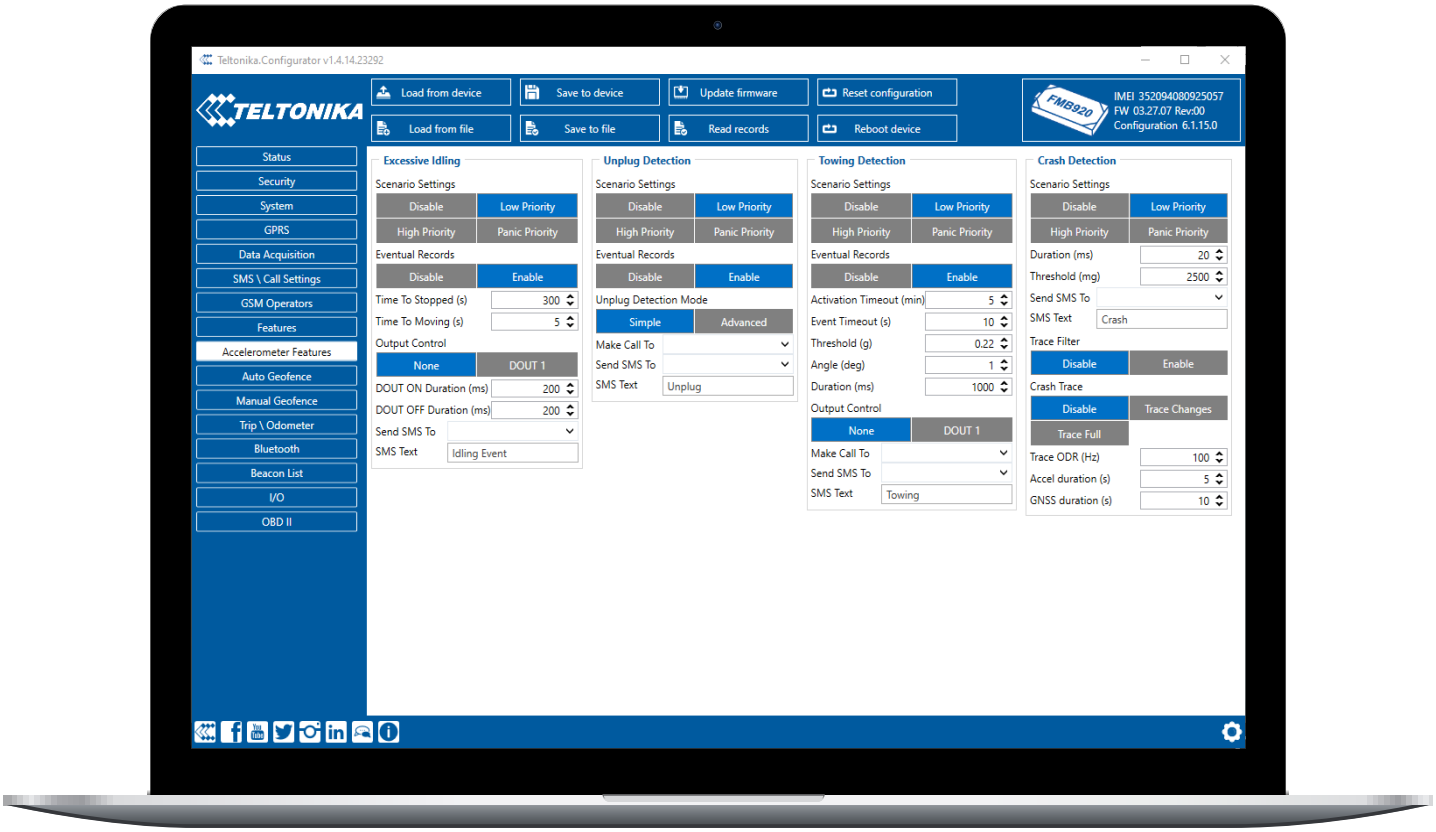
This section is not supported on MiX Fleet Manager Integration.

DOUT CONTROL VIA IGNITION

This section is not supported on MiX Fleet Manager Integration.

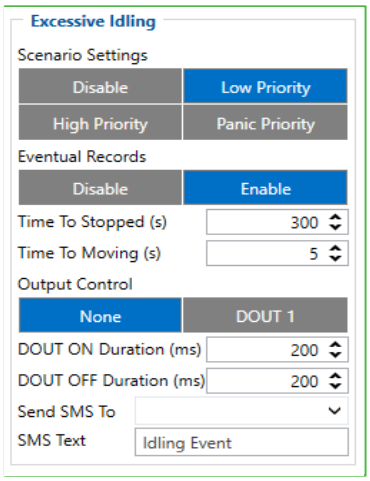
ACCELEROMETER FEATURES

This section covers additional features like idling, unplug detect, towing detect, and crash detect.



EXCESSIVE IDLE

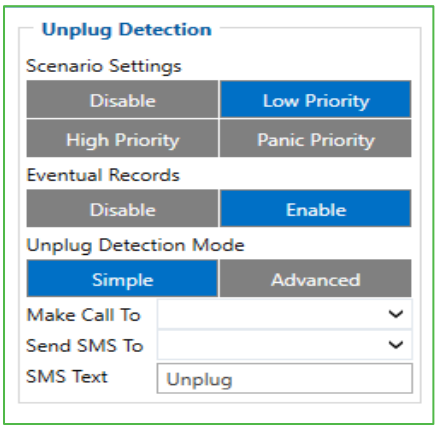
The Excessive Idle event will fire when IGN is high and no movement detected for 5min (300s)The event duration is not supported on the hardware.



SCENARIO SETTING	Low Priority
EVENTUAL RECORDS	Enabled
TIME TO STOPPED (S)	300
TIME TO MOVING (S)	5
OUTPUT CONTROL	None
DOUT ON DURATION (MS)	any (function not used)
DOUT OFF DURATION (MS)	any (function not used)
SEND SMS TO	
SMS TEXT	any (function not used)

UNPLUG **DETECT**

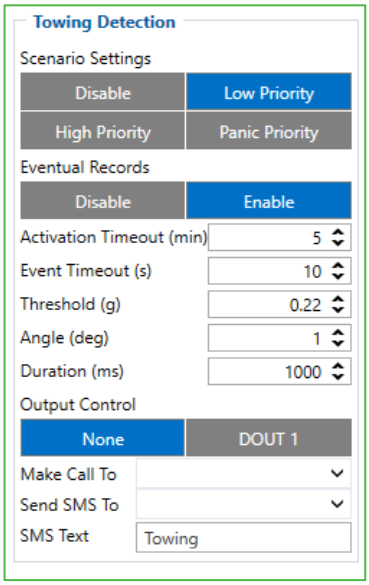
To send an event as soon as power source have been removed/restored to the unit.



SCENARIO SETTING	Low Priority
EVENTUAL RECORDS	Enabled
UNPLUG DETECT MODE	Simple
MAKE CALL TO	
SEND SMS TO	
SMS TEXT	Unplug

TOWING DETECTION

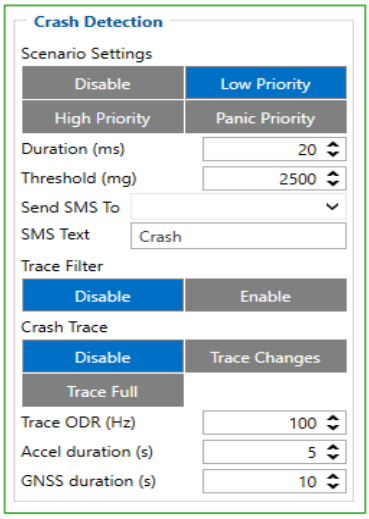
To enable the towing detection event based on movement and angle if IGN is low.



SCENARIO SETTING	Low Priority
EVENTUAL RECORDS	Enabled
ACTIVATION TIMEOUT (MIN)	5
EVENT TIMEOUT (S)	10
THRESHOLD (G)	0.22
ANGLE (DEG)	1
DURATION (MS)	1000
OUTPUT CONTROL	None
MAKE CALL TO	
SEND SMS TO	
SMS TEXT	Towing

CRASH DETECT

To enable if a crash event is detected. Duration or additional data is not available, only the event.



SCENARIO SETTING	Low Priority
DURATION (MS)	20
THRESHOLD (MG)	2500
SEND SMS TO	
SMS TEXT	Crash
TRACE FILTER	Disable
CRASH TRACE	Disable
TRACE ODR (HZ)	any (function not used)
ACCEL DURATION (S)	any (function not used)
GNSS DURATION	any (function not used)

AUTO GEOFENCE

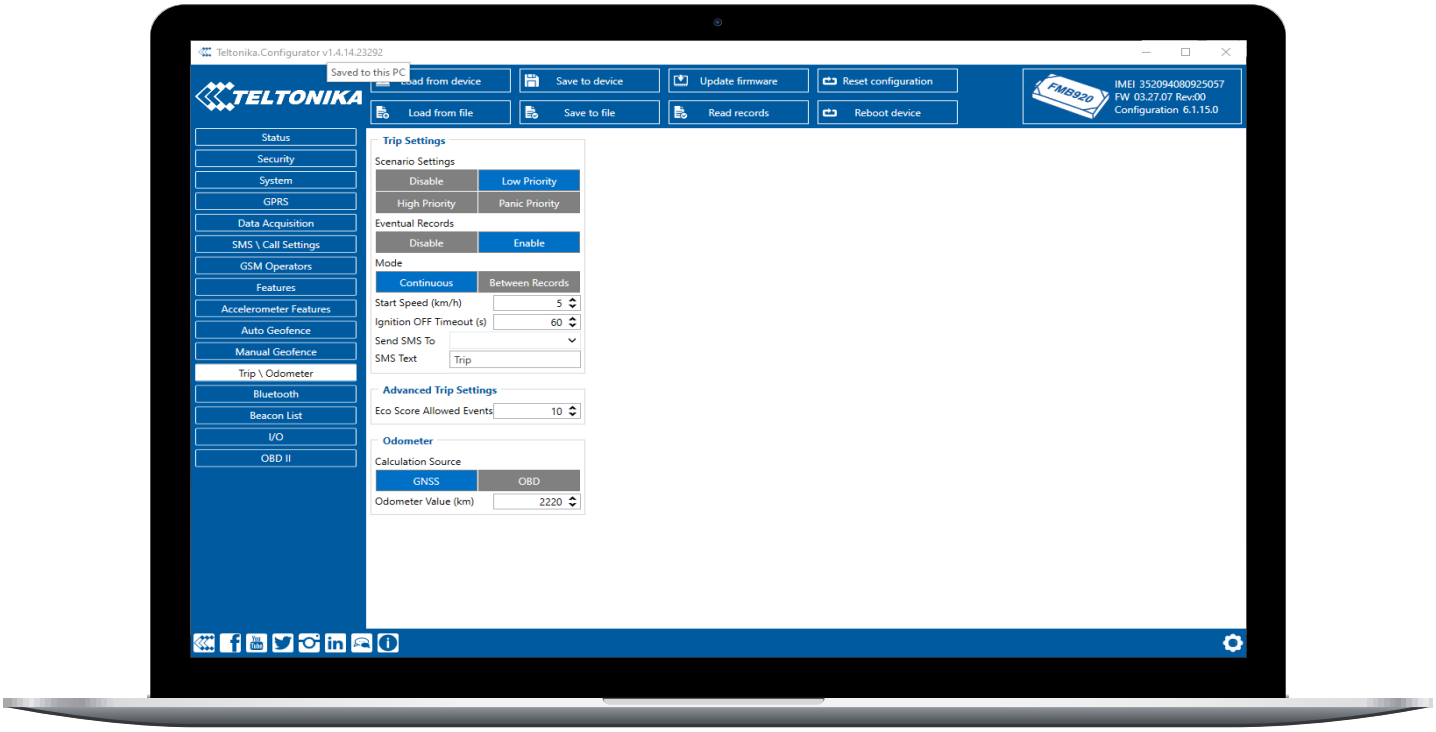
This section is not supported for MiX Fleet Manager integration

MANUAL GEOFENCE

This section is not supported for MiX Fleet Manager integration

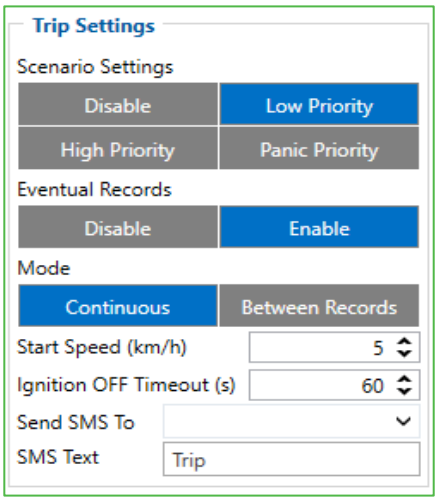
TRIP / ODOMETER

How trip detection and reporting should be setup.



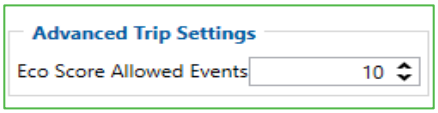
TRIP SETTINGS

To ensure trips are correctly displayed in MiX Fleet Manager



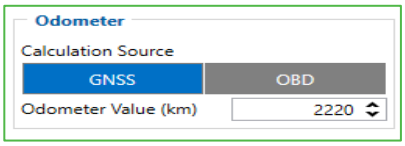
SCENARIO SETTING	Low Priority
EVENTUAL RECORDS	Enabled
MODE	Continuous
START SPEED (KM/H)	5
IGNITION OFF TIMEOUT (S)	60
SEND SMS TO	
SMS TEXT	Trip

ADVANCED TRIP SETTINGS



ECO SCORE ALLOWED EVENTS	10

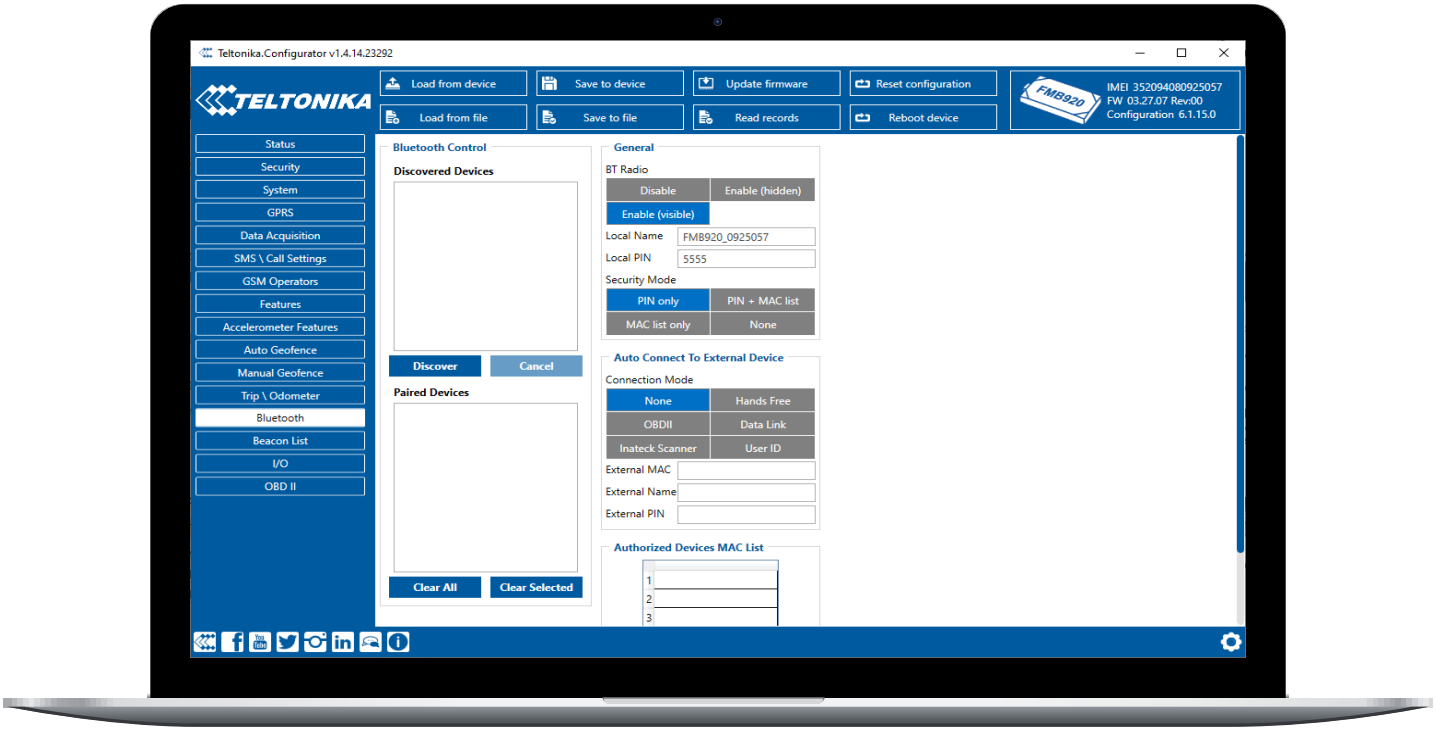
ODOMETER



CALCULATION SOURCE	GNSS
ODOMETER VALUE (KM)	

BLUETOOTH

This section is to enable Bluetooth connection so you can change settings via Bluetooth on the app or via PC.

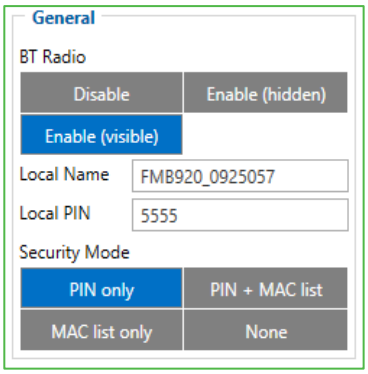


BLUETOOTH CONTROL

This section is not supported on MiX Fleet Manager Integration.

GENERAL

To enable the device's Bluetooth for connection to the app or PC to change settings.



BT RADIO	Enable (visible)
LOCAL NAME	User can set this
LOCAL PIN	User can set this
SECURITY MODE	PIN Only

AUTO CONNECT TO EXTERNAL DEVICE

This section is not supported on MiX Fleet Manager Integration.

AUTHORIZED DEVICES MAC LIST

This section is not supported on MiX Fleet Manager Integration.

BEACON LIST

This section is not supported for MiX Fleet Manager integration

I/O

Some features like over speeding and over revving (if supported by the hardware) is set here:

INPUT NAME	PRIORITY	LOW VALUE	HIGH VALUE	EVENT ONLY	OPERAND	AVG CONST
Ignition	Low	0	0	Yes	On Change	10
Movement	Low	0	0	No	On Change	10
Speed	Low	0	120	Yes	On Exit	50
Total Odometer	Low	0	0	No	Monitoring	

Priority:

- **None:** No data will be sent
- **Low:** Data will be sent in normal Priority
- **High:** Do not use
- **Panic:** Do not use

Low Level; High Level

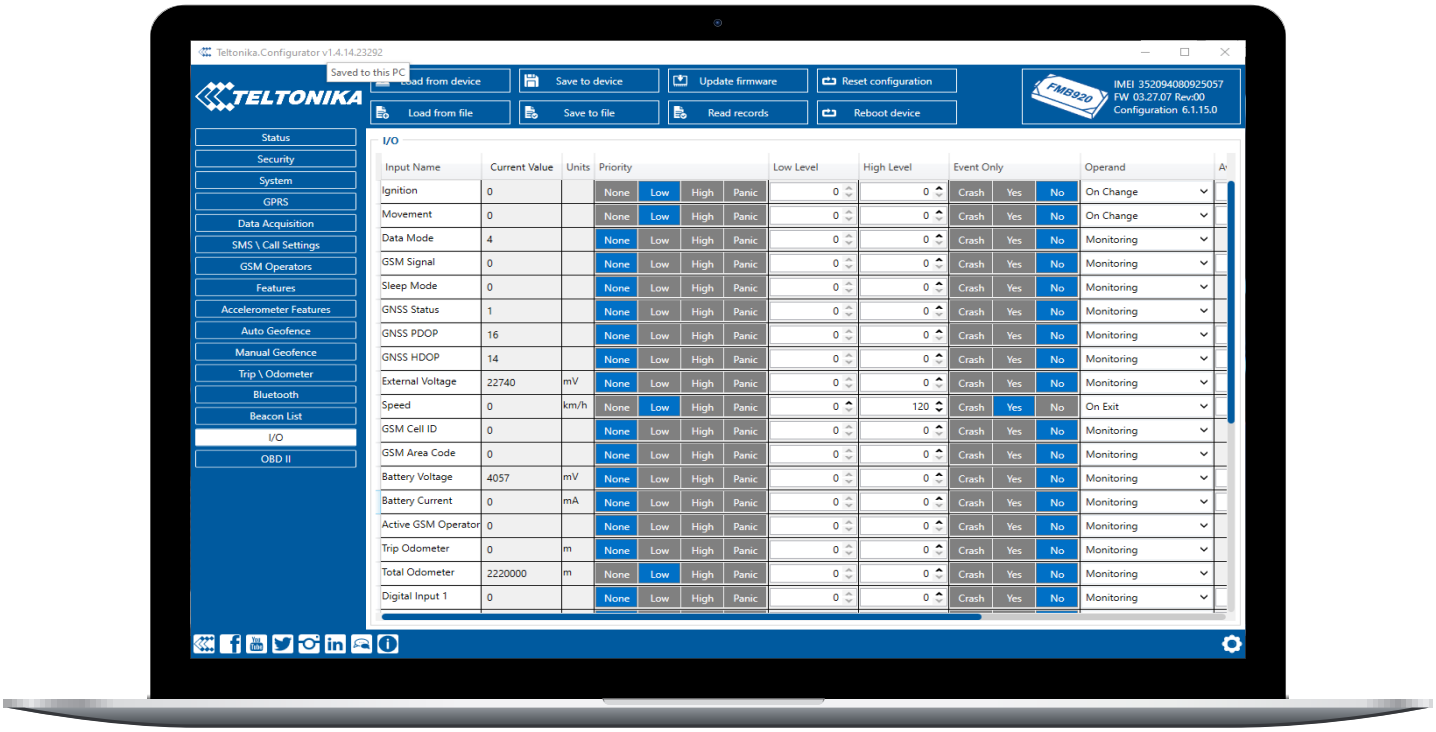
- Low or High levels, will be used by Operand function

Event Only:

- **Crash:** Only on Crash, data will be sent
- **Yes:** Only when condition “Operand” true, will be sent
- **No:** Will be sent with every AVL

Operand:

- **On Exit:** When “current value” leaves a range between low and high level limits
- **On Enter:** When “current value” enters a range between low and high level limits
- **On Both:** Always, On Exit and On Entrance operands' logic at same time
- **Monitoring:** No event at all. Values are recorded only when other triggers worked.
- **On Hysteresis:** Record is generated when input value crosses the high limit value from below the low limit value or vice versa.
- **On Change:** As soon as value changes
- **On Delta Change:** When input value changes and the absolute change becomes equal to or higher than the limit value.

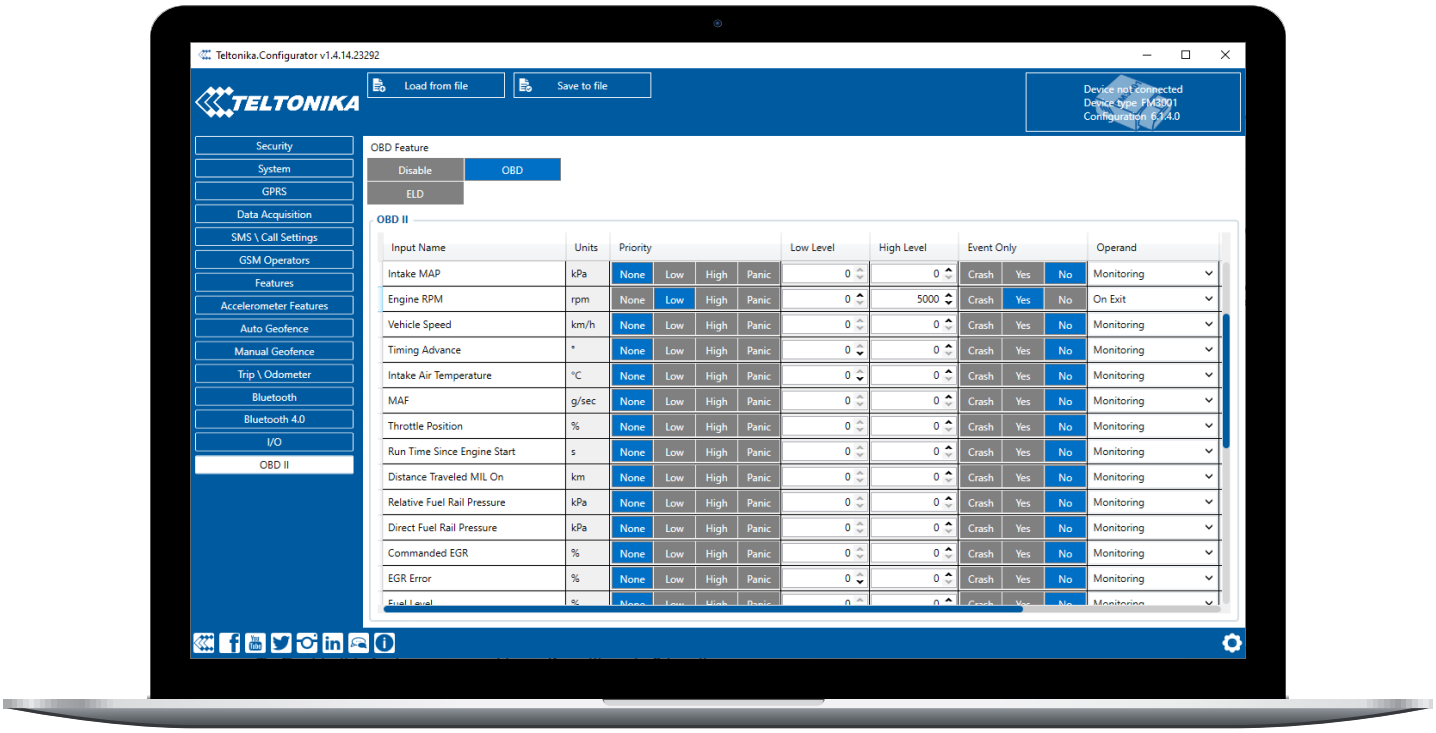


OBDII

For vehicles that can read certain items like RPM and Speed, you can enable them here.

RPM values will only be sent when going over the limit of the event.

Ensure you enabled the supported Events on Section 2.1and ensure Priority, Low/High Levels, Event Only and Operand modes are set correctly.



Priority:

- **None:** No data will be sent
- **Low:** Data will be send in normal Priority
- **High:** Do not use
- **Panic:** Do not use

Low Level; High Level

- Low or High levels, will be used by Operand function

Event Only:

- **Crash:** Only on Crash, data will be sent
- **Yes:** Only when condition “Operand” true, will be sent
- **No:** Will be sent with every AVL

Operand:

- **On Exit:** When “current value” leaves a range between low and high level limits
- **On Enter:** When “current value” enters a range between low and high level limits
- **On Both:** Always, On Exit and On Entrance operands' logic at same time
- **Monitoring:** No event at all. Values are recorded only when other triggers worked.
- **On Hysteresis:** Record is generated when input value crosses the high limit value from below the low limit value or vice versa.
- **On Change:** As soon as value changes
- **On Delta Change:** When input value changes and the absolute change becomes equal to or higher than the limit value.

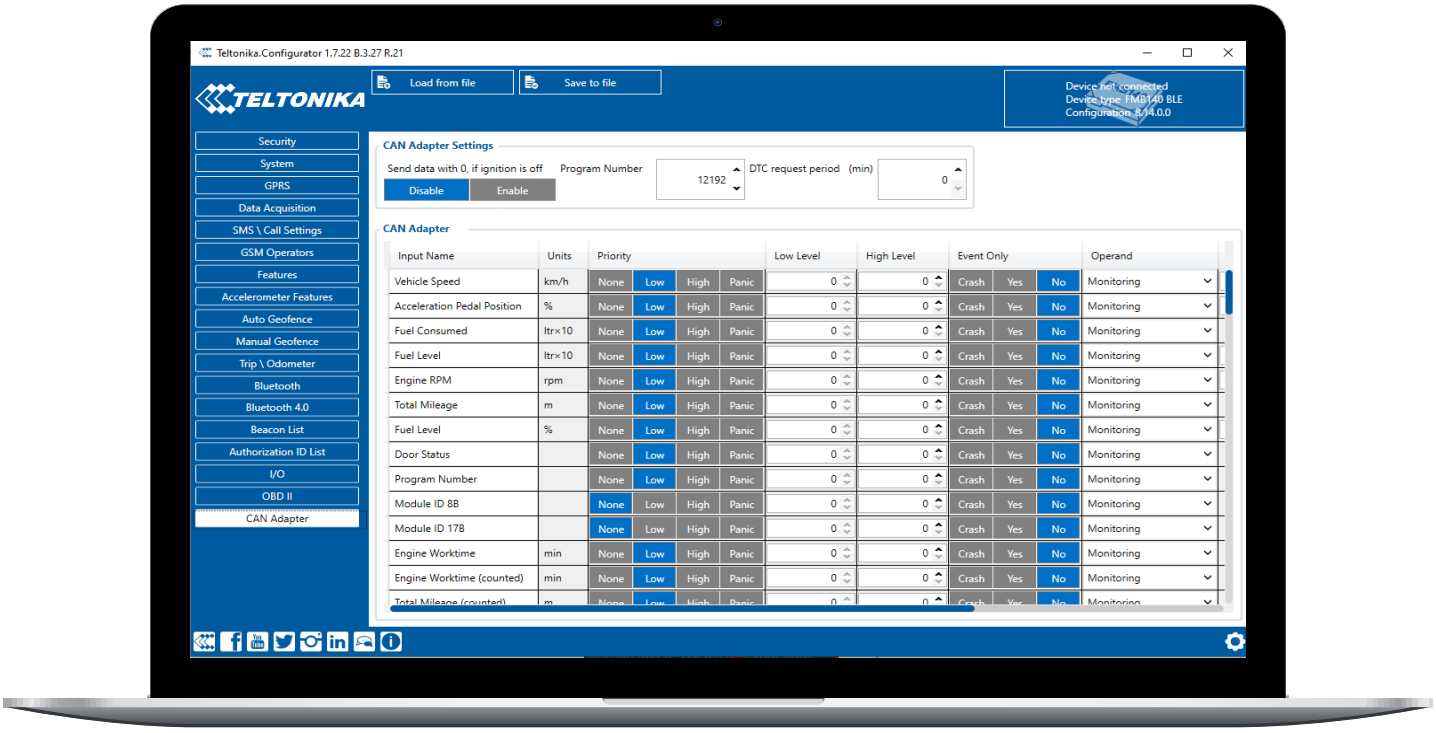
CAN

For vehicles that can read certain CAN items like RPM and Speed, you can enable them here.

Ensure you enabled the supported Events on Section 2.1and ensure Priority, Low/High Levels, Event Only and Operand modes are set correctly.

Appropriate “Program number” needs to be set based on vehicle.

Supported Vehicles List: **LV-CAN200** , **ALL-CAN300**.



Priority:

- **None:** No data will be sent
- **Low:** Data will be send in normal Priority
- **High:** Do not use
- **Panic:** Do not use

Low Level; High Level

- Low or High levels, will be used by Operand function

Event Only:

- **Crash:** Only on Crash, data will be sent
- **Yes:** Only when condition “Operand” true, will be sent
- **No:** Will be sent with every AVL

Operand:

- **On Exit:** When “current value” leaves a range between low and high level limits
- **On Enter:** When “current value” enters a range between low and high level limits
- **On Both:** Always, On Exit and On Entrance operands' logic at same time
- **Monitoring:** No event at all. Values are recorded only when other triggers worked.
- **On Hysteresis:** Record is generated when input value crosses the high limit value from below the low limit value or vice versa.
- **On Change:** As soon as value changes
- **On Delta Change:** When input value changes and the absolute change becomes equal to or higher than the limit value.

ADVANCED FEATURES

This section covers advanced features that will only function if the hardware model supports it.

DRIVERID VIA DALLAS IBUTTON

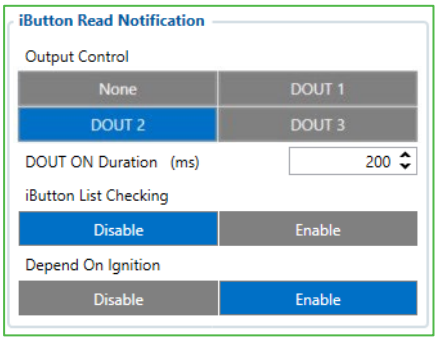
To enable extended Driver ID on MiX Fleet Manager via supported Teltonika hardware we make use of the iButton / 1-Wire protocol function.

Please verify that the hardware can support this. The device needs to have 1-wire option on the harness.

To enable this feature, you need to verify the settings in 3 locations.

FEATURES SECTION

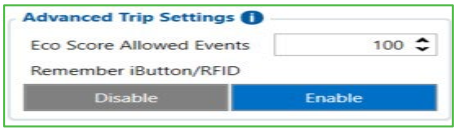
Enabling Driver ID reading to provide feedback to the driver of a successful reading of the tag. If no other driver tag read feedback is included as part of the reader device, it's recommended this functionality be used with an external LED or a buzzer connected to DOUT2. This will give the driver confirmation that the ID tag was successfully read. Note the DOUT ON Duration can be adjusted as appropriate. The default is 1 second (1000ms) .



OUTPUT CONTROL	DOUT2
DOUT ON DURATION (MS)	1000
IBUTTON LIST CHECKING	Disable
DEPEND ON IGNITION	Enable

TRIP / ODO SECTION

Disabling sending driver ID with every AVL



REMEMBER IBUTTON	Enable

I/O SECTION

Enabling sending driver ID once value changed, this will then cater for drivers identifying not immediately upon start-up.

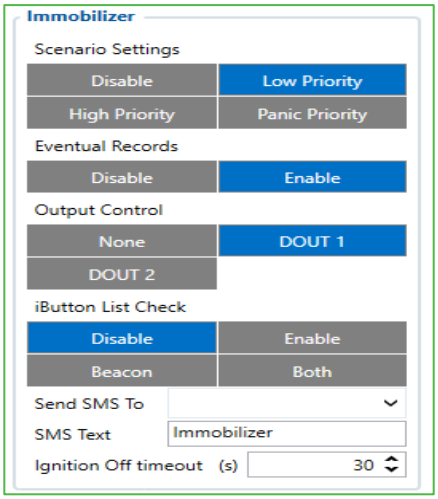
INPUT NAME	PRIORITY	LOW VALUE	HIGH VALUE	EVENT ONLY	OPERAND	AVG CONST
iButton	Low	0	0	No	Monitoring	30

IMMOBILIZATION FUNCTION

Currently this function is only supported independently on the hardware via iButton control. There is no feedback or integration with MiX Fleet Manager. Immobilization is controlled via iButton only.

FEATURE SECTION

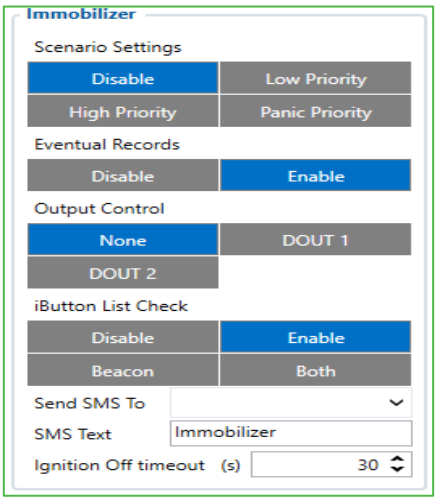
This setup will allow any driver key to unlock the immobilization function.



SCENARIO SETTING	Low Priority
EVENTUAL RECORDS	Enabled
OUTPUT CONTROL	DOUT 1 or 2 depending on wiring
IBUTTON LIST CHECK	Disabled
SEND SMS TO	
SMS TEXT	Immobilizer
IGNITION OFF TIMEOUT (S)	30

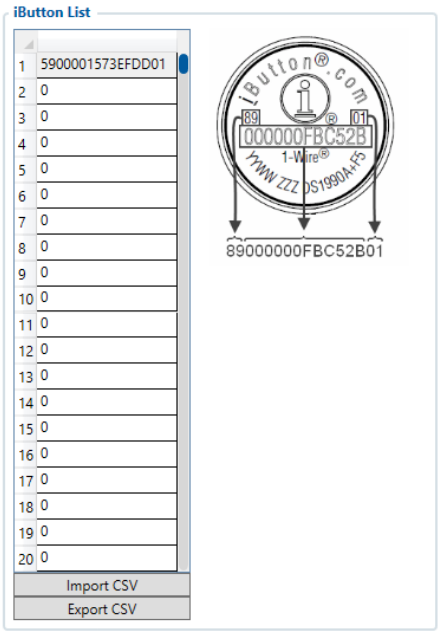
To set this up so that only pre-programed keys can unlock, you need to enable iButton List Check and populate the list.

FEATURES SECTION



SCENARIO SETTING	Low Priority
EVENTUAL RECORDS	Enabled
OUTPUT CONTROL	DOUT 1 or 2 depending on wiring
IBUTTON LIST CHECK	Enabled
SEND SMS TO	
SMS TEXT	Immobilizer
IGNITION OFF TIMEOUT (S)	30

1-WIRE SECTION



Manually enter the iButton values on the list or import via CSV file.

Only the ID's on this list will be able to disable immobilization function.

A maximum of 500 can be added.

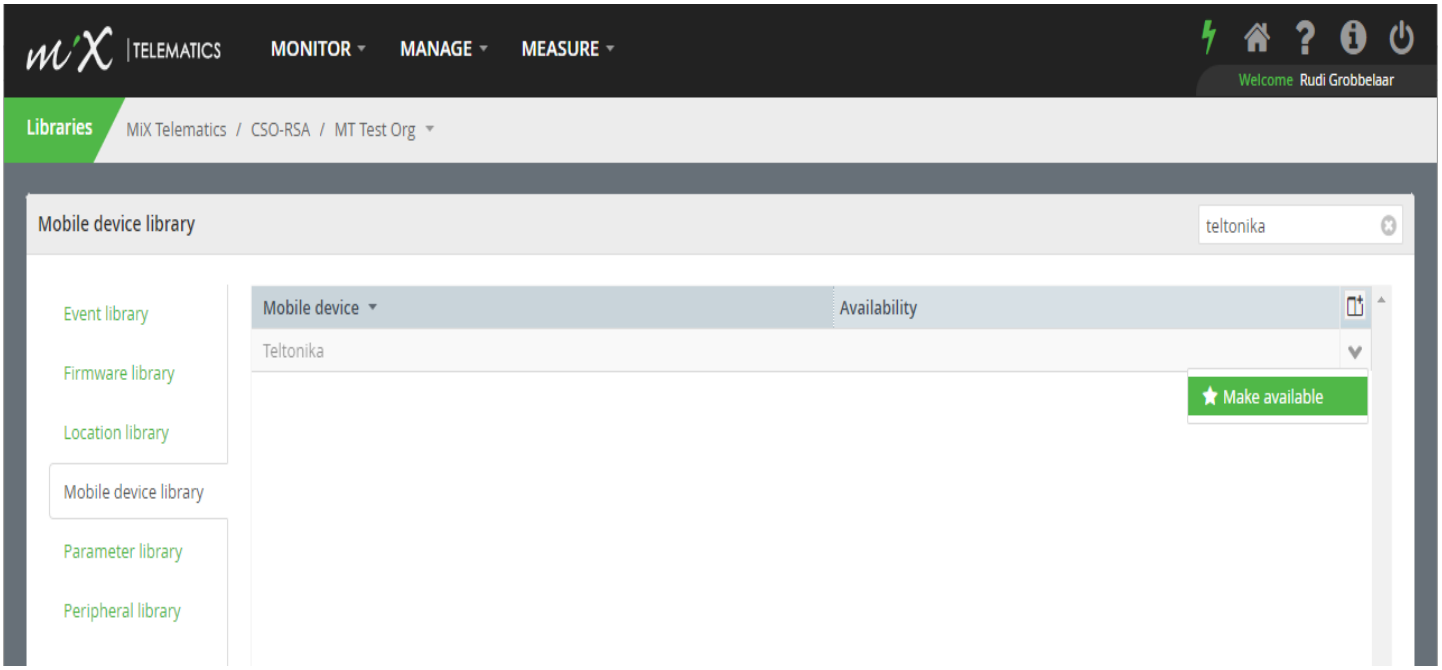
This cannot be done remotely and needs to be done on the unit.

ADDING TELTONIKA UNIT TO MIX FLEET MANAGER

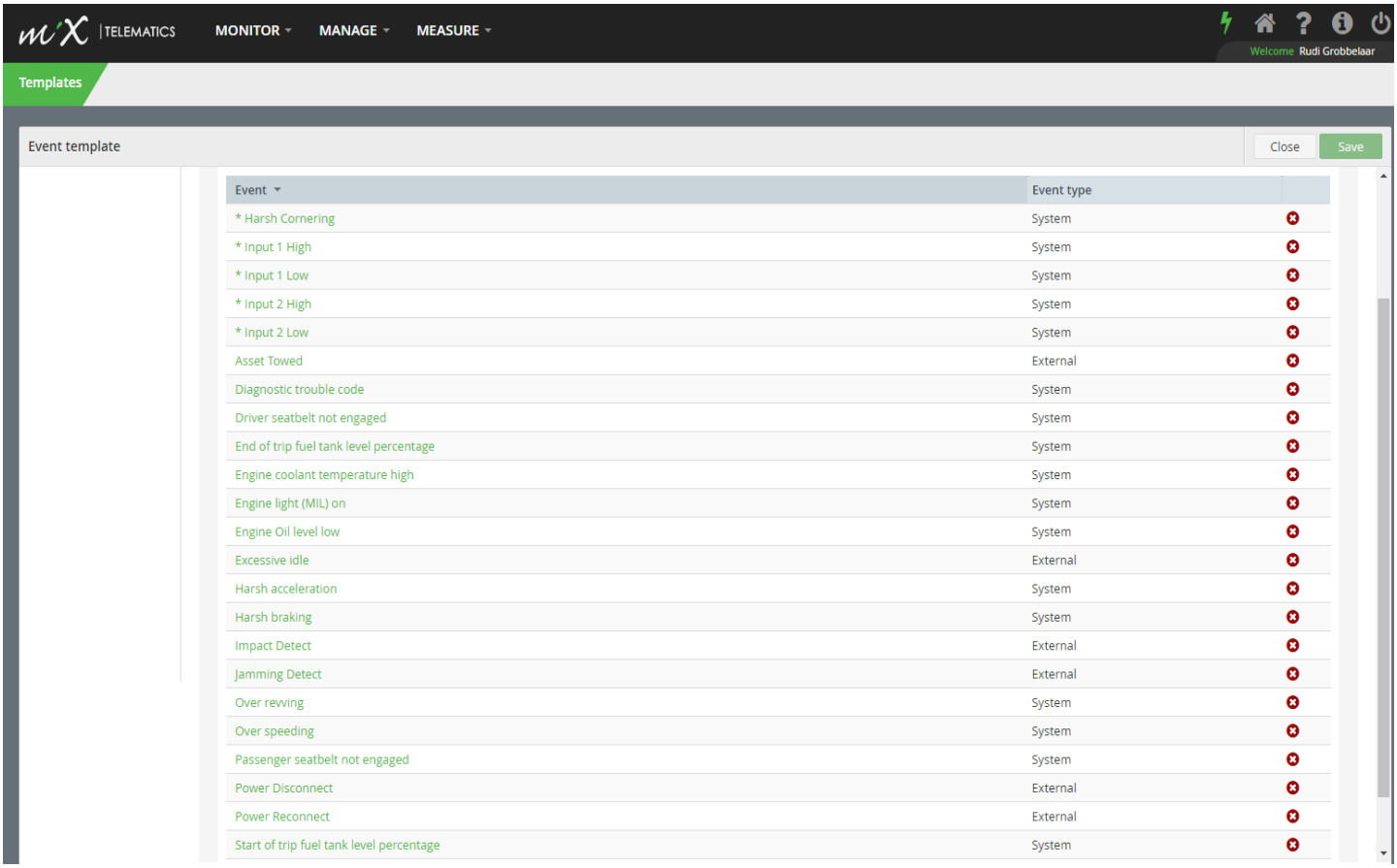
This section will guide you on how to add the programmed unit to MiX Fleet Manager.

NAVIGATE TO MANAGE > LIBRARY > MOBILE DEVICES

Search for Teltonika in search bar and click on dropdown to Enable the mobile device type.

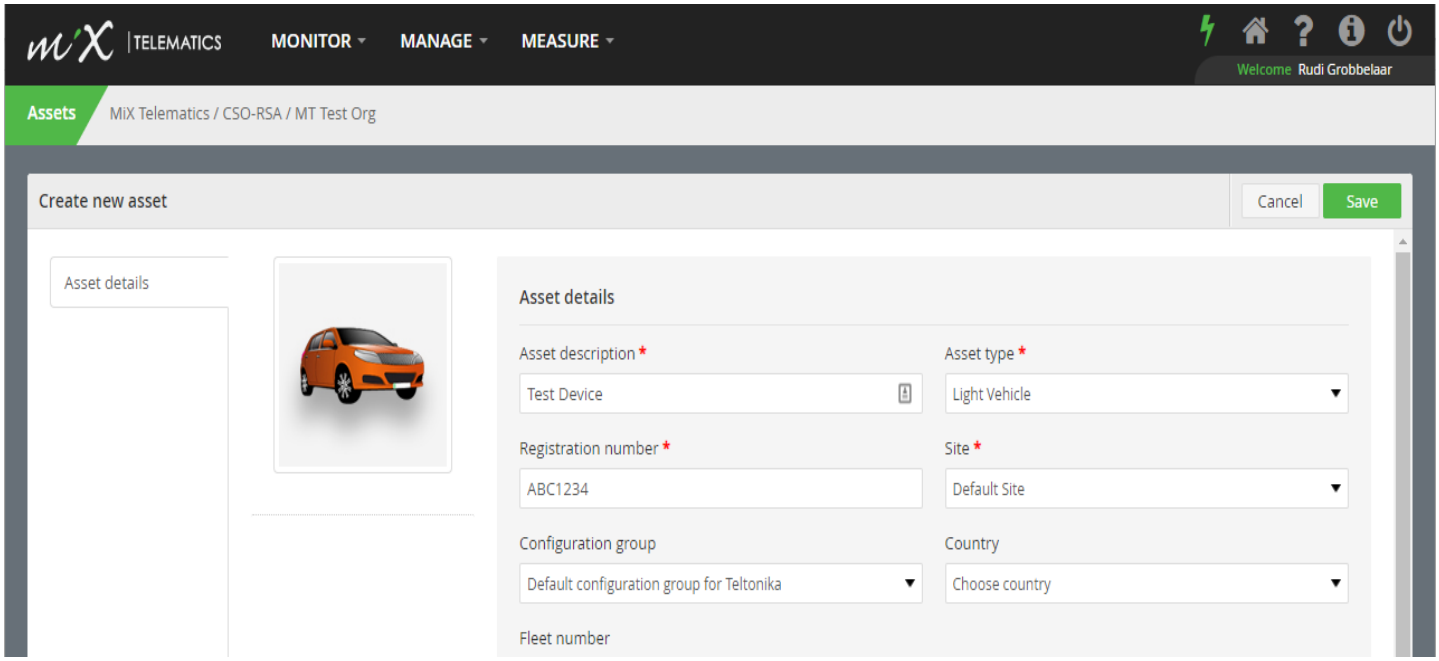


Once enabled a default configuration group called **"Default configuration group for Teltonika"** will be created with accompanying event template.



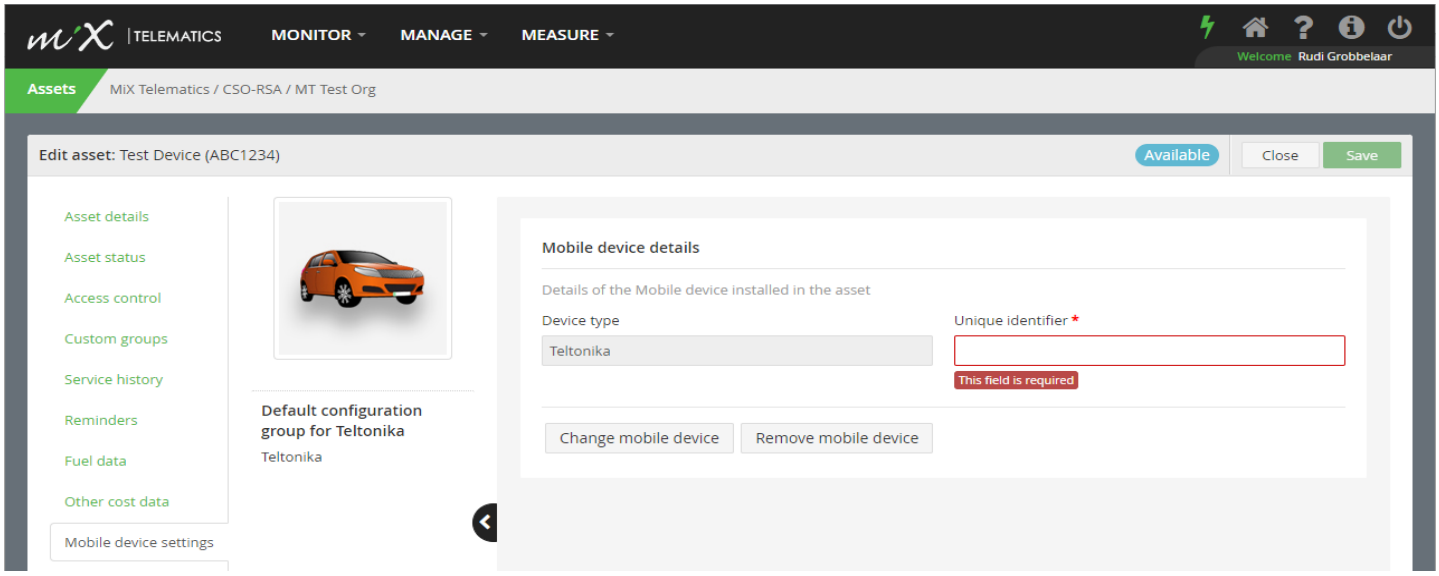
NAVIGATE TO **MONITOR** > FLEET **ADMIN** > **ASSETS**

Create a new Asset and assign to "Default configuration for Teltonika"



NAVIGATE TO **MOBILE DEVICE SETTINGS**

Add Teltonika IMEI to “Unique identifier” field and save.



SMS COMMANDS

The Teltonika devices support changing settings via SMS commands.

SUPPORTED **SMS COMMAND** AND THE **FUNCTION**

List of supported SMS commands that can be send to the unit.

COMMAND	DESCRIPTION/FUNCTION	RESPONSE
getinfo	Returns RTC time, GPS status, SAT	Yes
getver	Returns code version, device IMEI, modem app version, RTC time	Yes
getstatus	Returns Data Link:0 GPRS:0 Phone:0 SIM:0 OP:24602 Signal:5 NewSMS:0 Roaming:0 SMSFull:0 LAC:0 Cell ID:0	Yes
getgps	Returns GPS status, Satellite number, Latitude, Longitude, Altitude, Speed, Date, Time	Yes
ggps	Returns location information with Google maps link	Yes
readio	Returns IO status	Yes
cpureset	Resets device	No

getparam	Returns selected parameter value	Yes
setparam	Sets selected parameter value	Yes
flush	Redirects device to other server	Yes
countrecs	Returns record number	Yes
fc_reset	Resets fuel consumption parameters	Yes
towingreact	Towing reactivation	Yes
btgetlist	Returns requested Blue-tooth list(values:0, 1, 2)	Yes
btgscan	Starts Blue-tooth scan(values: none, 1)	Yes
btvisible	Sets Blue-tooth to visible with TMO	Yes
btrelease	Disconnects from current device and pauses auto connect functionality for TMO	Yes
btunpair	Unpair Blue-tooth device	Yes
faultcodes	Fault codes reading from OBD	Yes
obdinfo	Returns OBD info. Protocol, VIN, AdaptiveTiming value, requested PID counter, OBD application state, available vehicle PIDs, mil status, number of DTCs	Yes
cleardtc	Clears a dtc counter and deletes fault codes	Yes
getimeiccid	Returns IMEI of device and ICCID of sim card. Response is sent to SMS/GPRS sender and to number which is provided in SMS. If no number is provided -> response is sent only to sender)	Yes
getvin	Return VIN of the vehicle	Yes
getrecord	SMS command initiates saving and sending of high priority record	No
web_connect	Force connect to the FOTA server	Yes

SENDING AN SMS TO THE UNIT

You first need to ensure that the SIM card can send and receive SMS's that are in the unit. When using Telenor for instance, you can only send SMS from another Telenor SIM card.

THE SMS STRUCTURE

<SMS login><space><SMS password><space><command><space><value>

SMS Login and password are set on section 9.2

SMS command *getinfo* example: ␣ = <space>

- If you have set SMS login and password: mix ␣123␣getinfo
- If SMS login and password are not set leave two spaces before command: ␣␣getinfo

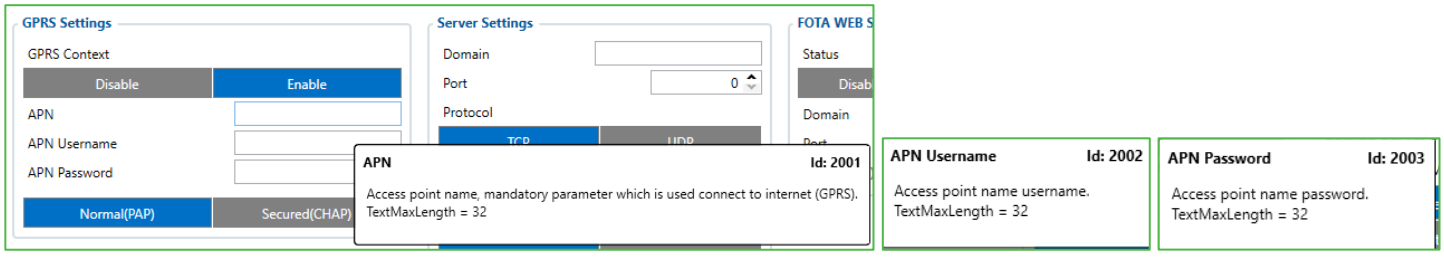
Example:

SET **PARAMETER**

You have the ability to set any parameter (setting) of the unit via SMS command.

To obtain the parameter value, look on the configurator software and hover your mouse over the section you need and the ID will be displayed.

Example:
In configurator, when you have your mouse over the text field for APN you see pop-up message gives Id:2001 and for APN Username id:2002 and APN Password Id:2003



Text: mix␣123␣setparam␣2001:tlnr02.mixtel.cxn;2002:mix1;2003:mix2
The message will set the APN name (tlnr02.mixtel.cxn), Username(mix1) and Password(mix2).
SMS command of limited to 160 characters.

␣ = <space>