

The operator search is performed every 15 minutes. Depending on the current GSM operator Home, Roaming or Unknown mode can be changed faster than every 15 minutes. This process is separate from the operator search. Movement criteria are checked every second.

The screenshot shows the TELTONIKA configuration interface. On the left is a navigation menu with options: Security, System, GPRS, Data Acquisition, SMS \ Call Settings, GSM Operators, Features, Accelerometer Features, Auto Geofence, Manual Geofence, Trip \ Odometer, Bluetooth, Bluetooth 4.0, Beacon List, I/O, and OBD II. The main area contains three sections:

**On stop**

	Home	Roaming	Unknown
Min Period	3600	3600	3600
Min Saved Records	1	1	1
Send Period	120	120	120

**Moving**

	Home	Roaming	Unknown
Min Period	300	300	300
Min Distance	100	100	100
Min Angle	10	10	10
Min Speed Delta	10	10	10
Min Saved Records	1	1	1
Send Period	120	120	120

**On Demand Tracking**

Period (s): 10

Duration (s): 600

Activation by:

DIN1  AIN1

## Record Saving settings

*Min Saved Records* defines the minimum number of coordinates and I/O data that should be transferred within a single connection to the server. If FMB206 does not have enough coordinates to send to the server, it will check again after a time interval defined in *Send Period* field.

*Send period* controls the frequency of data being sent to the server over GPRS. The module makes attempts to send collected data to the server every defined period of time. If it does not have enough records (depends on the parameter *Min. Saved Records* described above), it tries again after the defined time interval.

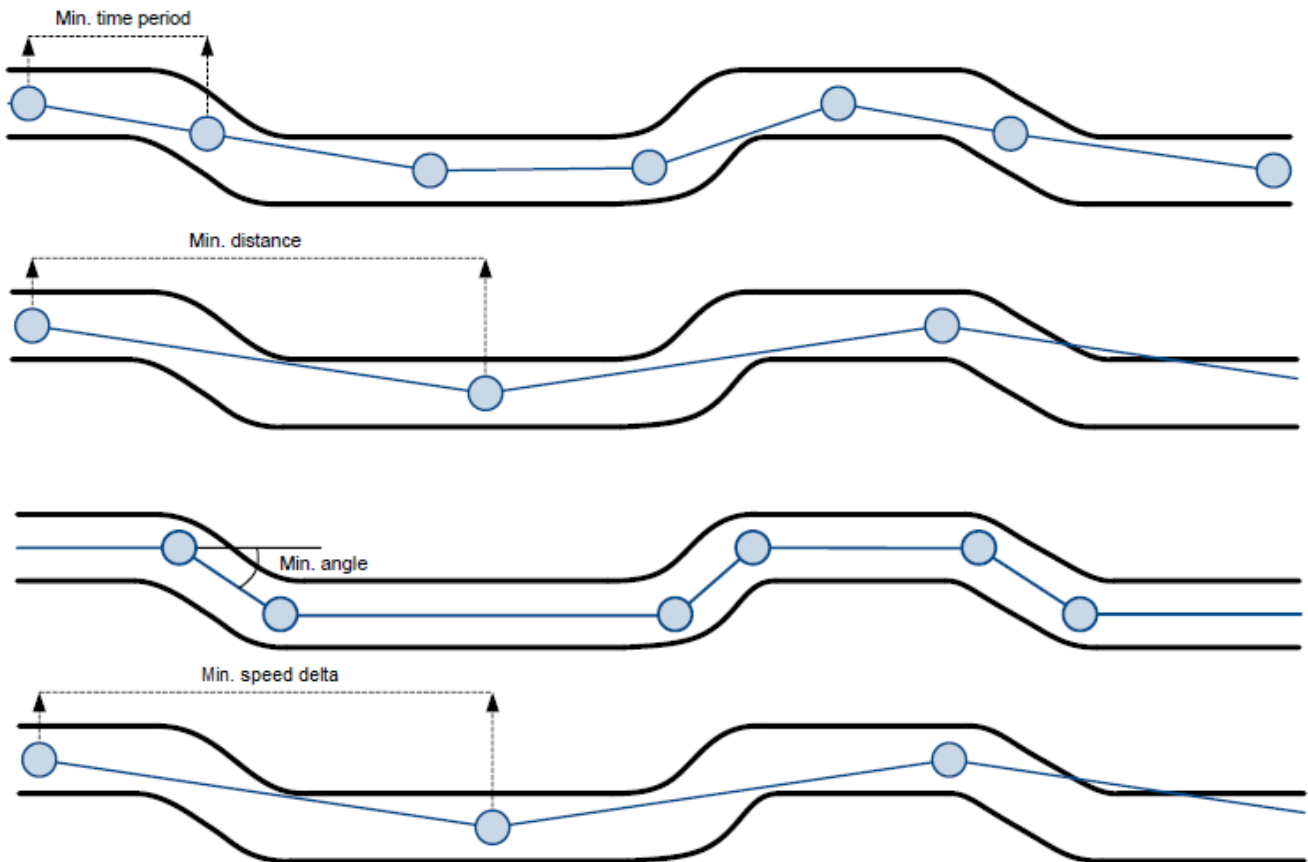
 Keep in mind that FMB206 operates in GMT:0 time zone, without daylight saving.

FMB206 is able to collect records using four methods at the same time: time, distance, angle, and speed-based data acquisition:

- Time based data acquisition (*Min Period*) - records are acquired every time when a defined interval of time passes. Entering zero disables data acquisition based on time.
- Distance-based data acquisition (*Min Distance*) - records are acquired when the distance between the previous coordinate and current position is greater than a defined parameter value. Entering zero disables data acquisition based on distance.
- Angle based data acquisition (*Min Angle*) - records are acquired when the angle difference between the last recorded coordinate and current position is greater than a defined value.

Entering zero disables data acquisition based on the angle.

- Speed based data acquisition (*Min Speed Delta*) - records are acquired when the speed difference between the last recorded coordinate and current position is greater than a defined value. Entering zero disables data acquisition based on speed.



## On Demand Tracking

This functionality was made global (for all FMB devices) from 03.25.06.Rev.00. Tracking on Demand can be activated using commands. After device receives [SMS/GPRS](#) command "[on\\_demand\\_trackingX](#)" where X is a number from 0 to 2.

Possible X values are:

- X = 0 - Stops Tracking on Demand functionality.
- X = 1 - Starts Tracking on Demand functionality.
- X = 2 - Generates one high priority record and initiates data sending to the server.

After that, the device starts to generate high priority records and initiate data sending to the server. This feature is configurable via [SMS/GPRS](#) commands only.

From version 03.25.11.Rev.00 tracking on demand can be triggered by multiple IO Events. To enable functionality at least one activation source must be selected and an appropriate IO Event (in I/O tab) should be enabled (Low/High/Panic priority, the operand must NOT be "Monitoring"). When IO Event is generated and if the event is enabled in activation sources, tracking on demand will be started. THE new IO event will not interrupt or restart tracking on-demand until the Duration period has expired. If tracking on demand is already running, SMS/GPRS command will restart tracking on demand. If tracking the on-demand period is lower than the normal record acquisition period, only

high priority records will be created. If tracking the on-demand period is larger than the normal record acquisition period, low priority records will be created according to data acquisition configuration and high priority records will be created after configured tracking on-demand period. Some new [Tracking on Demand parameters](#) are introduced in devices.

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- On stop:** A table with columns Home, Roaming, and Unknown.
 

	Home	Roaming	Unknown
Min Period	3600	3600	3600
Min Saved Records	1	1	1
Send Period	120	120	120
- Moving:** A table with columns Home, Roaming, and Unknown.
 

	Home	Roaming	Unknown
Min Period	300	300	300
Min Distance	100	100	100
Min Angle	10	10	10
Min Speed Delta	10	10	10
Min Saved Records	1	1	1
Send Period	120	120	120
- On Demand Tracking:**
  - Period (s): 10
  - Duration (s): 600
  - Activation by: Two buttons labeled DIN1 and AIN1.

At the bottom of the interface, there are social media icons for Facebook, YouTube, Twitter, Instagram, LinkedIn, and a general information icon.

There are three available options for the activation source of tracking on demand - DIN/AIN or both (devices that support multiple DINs/AINs allow choosing which DINs/AINs to use). Note that, these inputs will work as buttons, rather than switches, and are used to trigger the functionality, the duration of tracking on demand will not be extended if the activation source status is high for a period of time.