FMB010 Status info

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Status info enables the user to monitor real time information of FMB010. Following fields are displayed: **Device Info, GNSS Info, GSM Info, I/O Info, Maintenance** and etc. User is able to export all of the information to **.HTML** file using icon which is at the top right corner of the **Device Info** area.



Device Info

- Device Name
- Firmware version
- Last Start Time last device start time.
- RTC Time real time clock or current device time.
- Power Voltage (mV)
- Device IMEI
- External Storage (used/total) Internal Flash memory free space.
- Device Uptime device uptime from last start time.
- Battery Voltage (mV)
- Internal Battery Status Charging/Not Charging

GNSS Info

- GNSS status
 - Module status ON, GPS Sleep, Deep Sleep, Online Deep Sleep, Ultra Deep Sleep mode.
 - $\circ\,$ GNSS packets the amount of GNSS packets device received from startup.
 - Fix Status Fix/No Fix.
 - Fix Time the last GNSS fix time.
- Satellites
 - Visible the amount and type of satellites that are visible.

- In Use the amount of satellites used for location positioning.
- Location
 - Latitude/Longitude shows current device coordinates and if you press them opens
 Object location window with map.
 - o Altitude, Angle
 - HDOP, PDOP
 - Speed current device speed.

HDOP/PDOP value calculation changes

From firmware version 03.27.06.Rev.01 HDOP/PDOP value calculation has been removed. DOP values are taken from GPGSA messages. DOP values are calculated according to constellations that are currently in use. Example: If we have 4 GNSS systems and there will be two in use then average will be calculated from two GNSS systems.

Main calculations of separate HDOP/PDOP values of GPS, GLONASS, Galileo and BeiDou are made by GNSS modem. GNSS Modem already outputs average of HDOP/PDOP from 4 GNSS systems (Used satellites) with a formula below.

Calculation formula - ("GPS" + "GLONASS" + "Galileo (0-sat)" + "BeiDou (0-sat)") / 2 (four GNSS systems)**
Calculation formula - ("GPS" + "GLONASS") / 2 (two GNSS systems)

HDOP/PDOP will be different if it will have 19 and i.e. other packet with 6 satellites. In parsed regular AVL packet example below all of 19 satellites are shown as in use.

Parsed NMEA Record Example:

Record GPS longitude : -14116383 Record GPS latitude : 530738950

Record GPS altitude: 356 Record GPS angle: 357 Record GPS satellites: 19 Record GPS Kmh: 102

GSM Info

- GSM status
 - Modem Status
 - SIM State Ready/Unknown
 - GPRS Status Activated/Deactivated
 - Actual Operator Code
 - $\circ \ Signal \ Level$
- GPRS traffic

- Sent Data the amount of data that has been sent by device.
- Received Data the amount of data that has been received by device.
- o Total Traffic Sent Data + Received Data
- Sockets information:
 - Type AVL Data Sending
 - Socket Closed or Server domain and port which is used when sending AVL Data via TCP/UDP.
- Records
 - $\circ\,$ Sent Records count how many records were sent to the server since last data reset.
 - Last Record Send date and time when the last record was sent.
 - Last Server Response Time date and time when the last server response was.
- SMS Count
 - Received SMS the amount of SMS messages device has received.
 - $\circ\,$ Sent SMS the amount of SMS responses that were sent from the device.
 - SMS Count Received SMS + Sent SMS

I/O Info

• I/O Data - shows the current values from all configurable I/O elements.

FMS I/O Info

• FMS I/O Data - shows the current values from FMS configurable I/O elements.

Tachograph Data Info

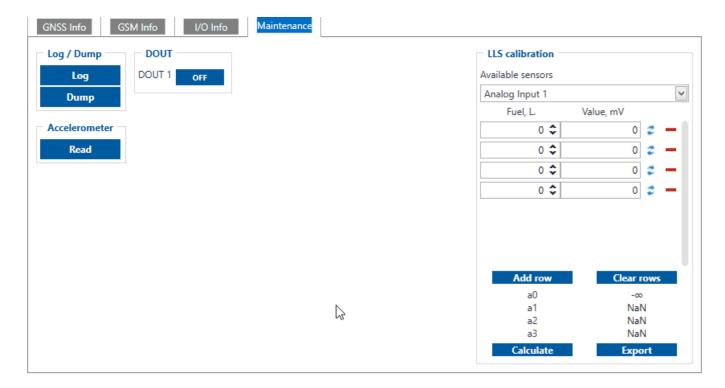
• Tachograph Data - shows the current values from Tachograph Data configurable I/O elements.

Maintenance

- Log/Dump
 - \circ Log after button is pressed, the device starts log capturing for 10 minutes with configuration download. After this time device .log and configuration .cfg will be in compressed archive.

Archive name: YYYY_MM_DD_HH_MM_SS_FMB010_IMEI_Log.zip

Default directory: C:\Users\<username>\Documents



 Dump - after button is pressed, the device starts to download .dmp logs and configuration .cfg from device in compressed archive.

Archive name: YYYY_MM_DD_HH_MM_SS_FMB010_IMEI_Dump.zip
Default directory: C:\Users\<username>\Documents
Dump files can be read only with special software. If needed, provide these files to your
Teltonika sales manager or Teltonika Support team.

- \circ Open directory this button appears near \boldsymbol{Log} or \boldsymbol{Dump} if one of these functions were used
- Accelerometer after button is pressed, the device starts to capture accelerometer values for 1 second.

OBD Info

Shows the main OBD parameters with current values when the device is connected to the vehicle via OBDII socket or using OBDII Bluetooth@Dongle.

CAN Adapter Info

Shows the parameters with current values (including program number and software version) from CAN adapter when the device is connected to LV-CAN200/ALL-CAN300/CAN-CONTROL.