How to capture OBDII data log?

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Contents

Description

Here are steps how to capture OBDII log from Teltonika devices with Bluetooth® OBDII dongle or directly supporting OBDII data reading

This functionality is available after **03.08.00** firmware version.

1. Make sure that the CAN adapter is connected properly to the vehicle and to the FMB1YX series device.
2. **Start vehicle engine** (skip if vehicle is deployed)
3. Send following **SMS commands** to Teltonika tracker:
    1. If you have set SMS login and password:`login pass sdformat`
    Note: This will delete all previous DUMP logs without and records that have not been sent yet.
    If SMS login and password are not set, then leave two spaces before command:
    `sdformat`
    2. If you have set SMS login and password:`login pass log2sdfilterset 0;2;4;1`
    If SMS login and password are not set, then leave two spaces before command:
    `log2sdfilterset 0;2;4;1`
    Filter description:
        - **Filter 0** - default filters (No additional data)
        - **Filter 2** - turns on AVL record creation filter
        - **Filter 4** - turns on incoming CAN/OBDII data filter
        - **Filter 7** - turns on BT3 connection filter (only needed when troubleshooting OBDII devices connected via BT
        - **Filter 1** - saves installed filters to memory after restart
        Note: If you are using bluetooth OBDII dongle use `log2sdfilterset 0;2;4;7;1` instead of `log2sdfilterset 0;2;4;1`
        If command `log2sdfilterset` was sent correctly:
        SMS Response will be: `Enabled Trace Filters:5` or `Enabled Trace Filters:4` depending on the sent command. You can restart the device after correct response is received
    3. If you have set SMS login and password: `login pass cpureset`
    4. If SMS login and password are not set, then leave two spaces before command:
    `cpureset`
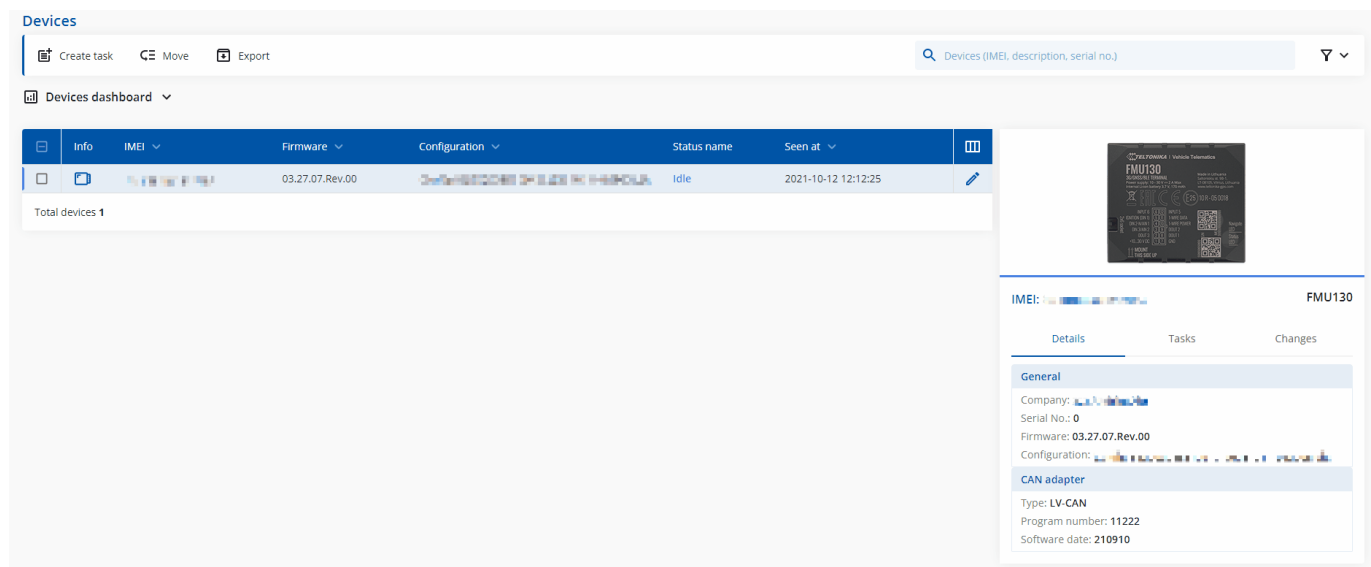4. After the SMS response message CAN adapter log capturing has been started.

5. Wait at least **5 minutes** to get enough OBDII data and **turn off** vehicle engine (skip if vehicle is deployed)
6. **Download** captured log (dump) files.

Using Teltonika Configurator

Please check [Status info→Maintenance→Log/Dump](#) and download dump `YYYY_MM_DD_HH_MM_SS_FMB1YX_IMEI_Dump.zip`.

Using FOTA WEB

Enter FOTA WEB → Press on **Devices** tab → Select your device and press ☒ → **Task type → Receive internal log (5)** (5 files. Each log size up to 1 MB)→☒.
To start download process at once send following SMS command:

- If you have set SMS login and password: `login pass web_connect`
- If SMS login and password are not set leave two spaces before command: `  web_connect`

  If command was sent correctly you should receive SMS Response:`web_connect resp:OK`

  To find downloaded log press on **Tasks** tab→Find your device by IMEI and Task type

Received internal log→Download `IMEI_logs_TIMESTAMP.zip` as showed below:

2. After you have downloaded log files send following **SMS command** to Teltonika device:
    - If you have set SMS login and password: `login pass log2sdfilterset 0`
    - If SMS login and password are not set leave two spaces before command: `log2sdfilterset 0`

        If command was sent correctly you should receive SMS Response:`Enabled Trace Filters:1`

3. These log (dump) files can be read only with **special software**. Provide these files to your **Teltonika Telematics Sales manager** or **Teltonika Telematics Support team** for further investigation.