

How to capture OBDII data log?

[Main Page](#) > [Frequently Asked Questions - FAQ](#) > **How to capture OBDII data log?**



Contents

- [1 Description](#)
 - [1.1 Using Teltonika Configurator](#)
 - [1.2 Using FOTA WEB](#)

Description

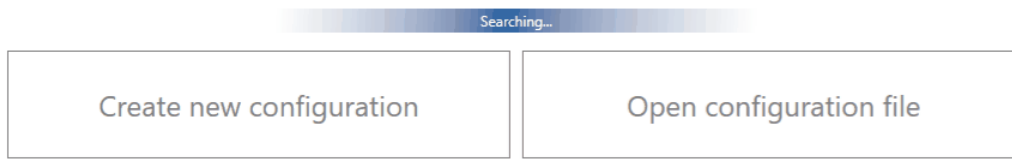
Here are steps how to capture OBDII log from Teltonika devices with Bluetooth® OBDII dongle or directly supporting OBDII data reading

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.

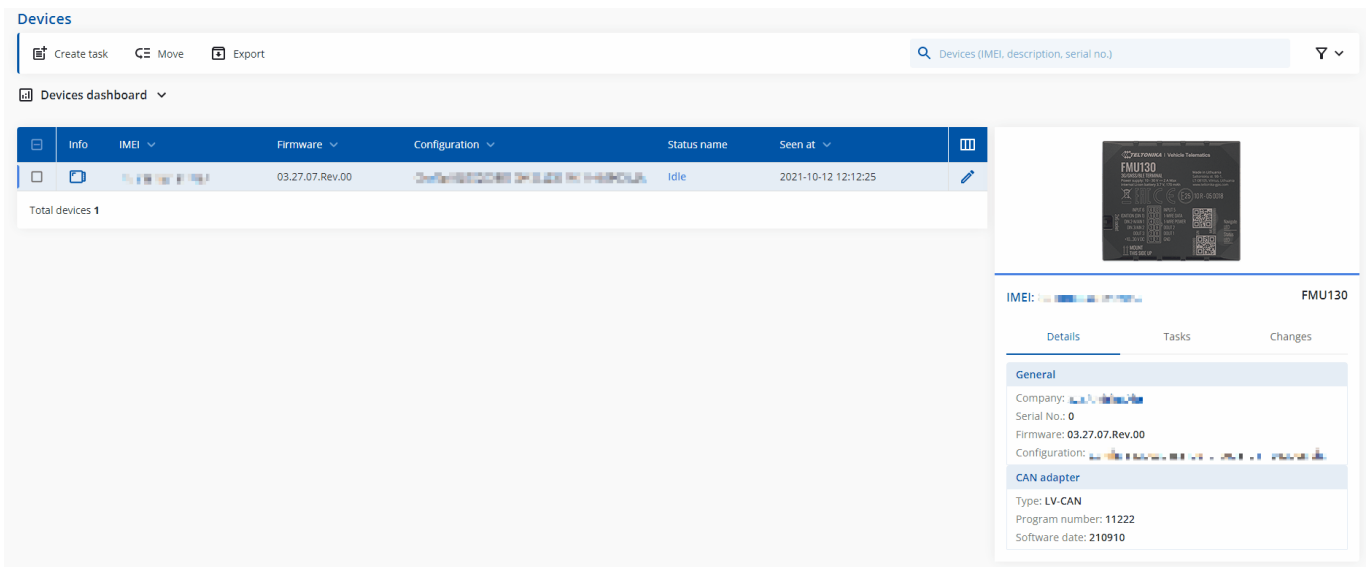
5. Wait at least **5 minutes** to get enough OBDII data and **turn off** vehicle engine (skip if vehicle is deployed)
6. **Download** captured log (dump) files.



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:
`aa 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.