How to capture CAN adapter log from FMX1YX

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Solution applies for these devices

<u>FMB110 FMB120 FMB122 FMB125 FMB130 FMB140 FMB150 FMB225 FMB230 FMB240</u> <u>FMC125 FMC130 FMC150 FMC225 FMC230</u> <u>FMM125 FMM130 FMM150 FMM230</u>

Here are steps how to capture LV-CAN200, ALL-CAN300, CAN-CONTROL log from FMB1YX series devices.

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

- 1. Make sure that the CAN adapter is <u>connected properly</u> to the vehicle and to the FMB1YX series device.
- 2. Start vehicle engine.
- 3. Send following **SMS commands** to FMX1YX device:
 - If you have set SMS login and password:login pass log2sdfilterset 0;2;3;4;1
 - If SMS login and password are not set leave two spaces before command:
 log2sdfilterset 0;2;3;4;1

If command log2sdfilterset was sent correctly you should receive SMS Response:Enabled Trace Filters:5 then you can restart the device

- 4. If FW version is **03.27.10** or higher cpureset command is not necessary to enable the filters. On lower versions cpureset is mandatory.
 - $\circ\,$ If you have set SMS login and password: <code>login pass cpureset</code>
 - \circ If SMS login and password are not set leave two spaces before command: \circ cpureset
- 5. After the SMS response message CAN adapter log capturing has been started.
- 6. Wait at least **5 minutes** to get enough CAN bus data and **turn off** vehicle engine.
- 7. **Download** captured log (dump) files.

Using Teltonika Configurator

Searching		
Create new configuration	Open configuration file	

 $\label{eq:loss} Please check \ \underline{Status \ info} \rightarrow \underline{Maintenance} \rightarrow \underline{Log} / \underline{Dump} \ and \ download \ dump \ YYYY_MM_DD_HH_MM_SS_FMB1YX_IMEI_Dump.zip.$

Using FOTA WEB

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Enter FOTA WEB \rightarrow Press on **Devices** tab \rightarrow Select your device and press $\Join \rightarrow$ **Task type** \rightarrow **Receive** internal log (10) (10 files. Each log size up to 1 MB) \rightarrow **Begin Download: From Oldest** \rightarrow **Files to Download 10** \rightarrow \Join .

Щ.т.	ELTONIKA I FOTA WEB		R Find device a second process A Notifications to Settings
::	Devices (1)		Create task Move More actions 🛩
0	Q Search Status V Y M	Create task Create a wide variety of tasks ranging from updating configuration or firmware to receiving logs, configuration, and more from selected or filtered devices. In addition, you can schedule	IC C t of 1 > > III Table view
DÞ	Filtered by: FMB130 O Clear all	created tasks for your convenience.	
D	1 Selected Deselect all	=, Selected Υ Filtered ↓ From file	
Ð	Offline Offline	The chosen task will be created for selected devices using the checkbox.	FMB130 2023-09-29 12:02:30 2023-01-24 11:56:46
8		Selected devices: 1	
		Task type*	
		Receive internal log	
	IMEI: 35966311017557024 0 Model: FM8130	Begin download: From newest From oldest	v
		Specific	
	General		SIM
	Company: Edit 🗋		
	Group: - Edit	Cancel pending tasks of same task type	
	Description: - Edit	Schedule time	
	Serial No.:		
	Firmware: 03.27.14.Rev.00 🖺	Cancel Create	
	Spec. ID:		
»	GNSS Version: 05.10.00		

To start download process at once send following SMS command:

- $\circ~$ If you have set SMS login and password: <code>login pass web_connect</code>
- $\circ~$ If SMS login and password are not set leave two spaces before command: $\bigcirc~$ web_connect

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

resp:OK

To find downloaded log press on **Tasks** tab \rightarrow Find your device by IMEI and Task type **Received internal log** \rightarrow Download IMEI_logs_TIMESTAMP.zip as showed below:

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- 2. After you have downloaded log files send following **SMS command** to FMX1YX device:
 - $\circ~$ If you have set SMS login and password: <code>login pass log2sdfilterset 0</code>
 - $\circ\,$ If SMS login and password are not set leave two spaces before command: $\verb"olog2sdfilterset"0$

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.