<mark>Hirschmann</mark> [®] Koxha

Setup & Use **OBDLink SX/EX**



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PREPARATION

Before using your OBDLink SX/EX for the first time, it is necessary that you install and setup the drivers correctly. Otherwise, reads and writes (flashing) can take significantly longer or even fail.

DRIVER

First, download the following file: <u>https://ftdichip.com/wp-content/uploads/2020/07/CDM21228_Setup.zip</u> Unzip it to any location and run "*CDM21228_Setup.exe*". Just follow the installer.

Once the installation is complete, plug in your OBDLink SX/EX. If the driver has been installed correctly, the LED on the cable should light up green. Before we can start reading and writing, however, additional driver settings have to be made.

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To do this, open the "*Control Panel*". Select "*Hardware and Sound*". Then open the "*Device Manager*", which should be visible right under "*Devices and Printers*". Select it. A new window should open, which looks like this:



Under the menu item *"Ports (COM & LPT)"*, a device named *"USB Serial Port (COM)*" should appear. Right click on it and choose *"Properties"*.

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A new window opens again. There, switch to the *"Port Settings"* tab and configure them as shown below:

USB Serial Port (COM4) Properties	×
General Port Settings Driver Details Events	
Bits per second: 921600 ~	
Data bits: 8 🗸 🗸	
Parity: None 🗸	
Stop bits: 1	
Flow control: None ~	
Advanced Restore Default	3
OK Cance	əl

Click on *"OK"* and call up the properties again, switch back to the *"Port Settings"* tab and this time click on *"Advanced..."*.

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This window should appear:

dvanced Settings for COM4			?	\times
COM Port Number: USB Transfer Sizes	COM4	▼	OK Cancel	
Select lower settings to corre Select higher settings for fas Receive (Bytes):	ter performance. 4096	v Daud rates.	Default	S
Transmit (Bytes):	4096 ~			
BM Options		Miscellaneous Options		
Select lower settings to corre	ct response problems.	Serial Enumerator Serial Printer		
Latency Timer (msec):	2 ~	Cancel If Power Off Event On Surprise Removal		
Timeouts		Set RTS On Close		
Minimum Read Timeout (msee	:): 0 ~	Disable Modem Ctrl At Startup Enable Selective Suspend		
Minimum Write Timeout (mse	c): 0 ~	Selective Suspend Idle Timeout (sec	s): 5	\sim

Here you only change the "*Latency Timer (ms)*". We recommend to set this to **2**. Otherwise, data might get lost during the transfer with the TrionicCANFlasher - this will then abort the operation.

Check the settings one last time.

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TRIONICCANFLASHER

After you have successfully set up the interface, we now turn to the *"TrionicCANFlasher"*. You can obtain it via the following link: <u>https://txsuite.org/download/trionic-can-flasher/</u> or obtain a copy from our site <u>https://hirschmann-koxha.de/en/informations/downloads/</u>

Install the "*TrionicCANFlasher*" and open it. Select your corresponding control unit under "*ECU Type*", then it should look like this:



Now click on "*Settings*", under "*Adapter type*" select the "*OBDLink SX*". Under "*Adapter*" select the corresponding COM port.

You can find this in the device manager. This is often noted behind the device name. You can set the *"Com speed"* to 1Mbit.

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The configuration should look somewhat like this:

Settings	×
Adapter type	Adapter
OBDLink SX \sim	COM3 \checkmark
	Com speed
Enable logging	1Mbit \checkmark
Only P-Bus connection	Use Legion bootloader
✓ Use flasher on device	Remember dimensions
Advanced features	Inter-frame delay
I know what I am doing	1200 (Default) $$
Unlock system partitions	✓ Use last address pointer
Unlock boot partition	Skip certain delays
Auto update checksum	
Verify checksum before flash	
Cancel	Save

Then confirm your settings with the *"Save"* button, otherwise the settings will not be saved. The *"TrionicCANFlasher"* is thus also configured.

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READ

Go into your vehicle and connect the interface to the OBD socket in the driver's footwell.



Now turn the ignition key to the "*ON*" position and switch off all stuff such as the radio, headlights, seat heating, air conditioning, etc. Now plug the cable into your laptop and open the "*TrionicCANFlasher*".

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The following window should open:

Speichern unter					×
\leftrightarrow \rightarrow \checkmark \uparrow	> Dieser PC > Dokumente			م 2	
Organisieren 👻 Neuer	Ordner				≣ - 🤫
> 💀 Nextcloud - adm	Name	Änderungsdatum	Тур	Größe	· ·
	Adobe 🔁	27.03.2020 15:14	Dateiordner		
> 🥺 Nextcloud - rey@	Carl AFRMaps	20.09.2020 22:34	Dateiordner		
🗸 💻 Dieser PC	🛅 Benutzerdefinierte Office-Vorlagen	10.02.2020 17:18	Dateiordner		
> 🔀 Bilder	🛅 DbgLogs	14.10.2020 22:44	Dateiordner		
> 🧾 Desktop	🗖 Downloads	03.07.2021 03:35	Dateiordner		
> 📔 Dokumente	Fax	22.02.2020 16:15	Dateiordner		
> 🛓 Downloads	🦰 Gescannte Dokumente	28.07.2020 15:02	Dateiordner		
· · · · · · · ·		25 07 2020 23+24	Dateiordner		
Dateiname:					~
Dateityp: Bin file	s (*.bin)				
∧ Ordner ausblenden				s	peichern Abbrechen

Enter any file name and select a storage location. This is the file we are going to need for all future procedures. This process will take 3-8 minutes. Writing also works in this way (just click *"Flash ECU"* and select the file you want to flash).

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F.A.Q.

Q .: My Saab 9-3II shows me various errors during the flash process! A.: This is normal. Simply remove the key before the next start. The errors should then disappear.

Q .: My Saab 9-3I (T7) or 9-5I no longer starts after flashing!A .: Remove fuse 17 from the fuse box in the dashboard for 30-60 seconds.

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