

CANedge firmware 01.07 + new case studies

CSS Electronics newsletter - March 2023

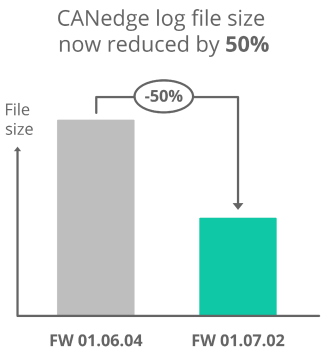
Firmware 01.07 released with 3 major features

We have now released the latest firmware for the [CANedge](#)!

Below we highlight **3 major features** of this update.

Get the firmware [here](#) - and see our tips on [migrating your Configuration File](#).

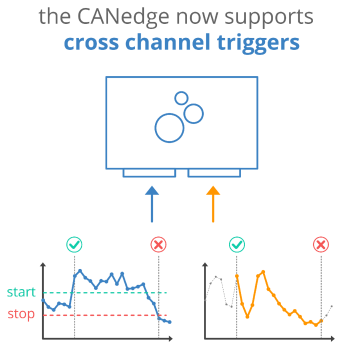
Note: When updating, ensure you also update your software/API tools incl. [asammdf](#), the [MF4 converters](#) and our [Python API tools](#). If any questions, contact us.



1: Up to 50% smaller log files

CANedge log files are now up to 50% smaller: If a 1 hour log file was 10 MB before, it is now 5 MB. This stacks with compression, so upgrading the FW and enabling compression can yield up to 90% reductions!

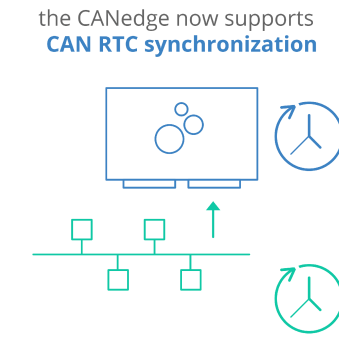
[Learn more](#)



2: Cross-channel triggers

The CANedge control signal lets you start/stop logging based on signal thresholds. This has been overhauled to more closely mimic the DBC file syntax. Further, it now supports cross-channel triggers - letting you e.g. start logging on Channel 1 based on a signal threshold on Channel 2. An example use case is to [avoid car battery drainage in UDS/OBD2 deployments](#).

[Learn more](#)

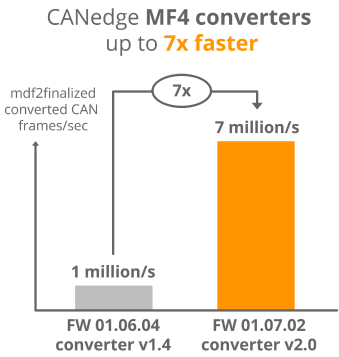


3: CAN based RTC synchronization

The CANedge comes with a real-time clock with battery backup. Like all RTCs, this will drift over time. However, with FW 01.07 you can now optionally 'sync' the RTC based on a CAN signal (e.g. from a [CANmod.gps](#)), ensuring your CANedge units are in sub-second sync.

[Learn more](#)

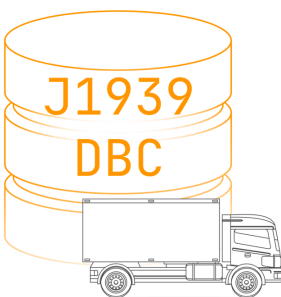
Other updates



MF4 converters now up to 7x faster

As part of the new firmware, the log file [MF4 converters](#) have been overhauled. As a result, they are now much faster - with the mdf2finalized converter 7x faster than before, letting you quickly load CANedge data into e.g. Vector software or MATLAB.

[Learn more](#)

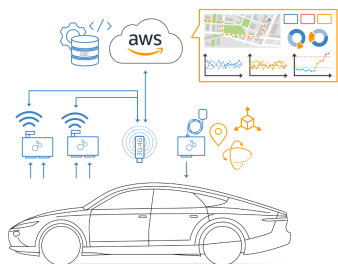


J1939 DBC updated to 2023-01

The J1939 DBC file lets you decode raw data across most heavy-duty vehicles like trucks, buses and tractors. We have now updated our J1939 DBC to use the 2023-01 Digital Annex as basis. Get yours now!

[Learn more](#)

Recently featured case studies

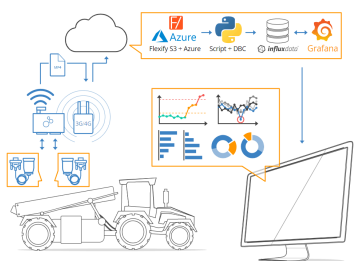


Lightyear: Solar EV data collection

Learn how Lightyear uses 2 x CANedge2 and the CANmod.gps to automate data collection from their solar electric vehicle to their AWS cloud database.

*"The CANedge2 allowed us to build our own fleet monitoring system in a **fast, secure, and scalable way** thanks to **exceptional support** from CSS"*

[Learn more](#)



Kverneland: J1939/ISOBUS diagnostics

Kverneland uses the CANedge2 to log J1939/ISOBUS data via 4G to their Azure cloud for customer profiling and vehicle diagnostics - with Grafana visualization.

*"The CANedge2 is a high quality product, but the CSS support makes it an **absolutely unbeatable solution!**"*

[Learn more](#)



Lithium System: EV truck telematics

Lithium System deploys the CANedge2 for remote troubleshooting and analysis of heavy-duty electric vehicles, enabling faster optimization of their systems.

*"**Fantastic product, highly configurable, excellent documentation and outstanding support!**"*

[Learn more](#)

Status at CSS

We hope FW 01.07 will help our CANedge users in the field - any feedback is welcome!

Our team is now 100% focused on major product launches coming in the next months.

Stay tuned, it will be awesome.

PS: If you want immediate updates as they come out, [follow us on LinkedIn](#).

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