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CANtrace 3.17

This release adds playback of log files to the CAN bus, which can be used for simulation, testing and bus traffic generation. Any log file in ASC format can be used to generate data on the CAN bus.

For those working with J1939 this release adds masking of priority bits in J1939 databases. This allows using the default priority in the database, while still matching messages on the bus that uses a different priority.

This feature works well with the included J1939 database, which in this release has been enhanced with the DM1 and Address Claimed messages, which are common in J1939 networks.

A number of usability features have also been added. The fixed view in the trace tab can now be sorted on any column, also while on-bus and receiving data. There is an additional toolbar button for opening the frequently used CAN settings dialogue. Also the redundant and annoying level in the right click menu has now been removed for faster access to options in the trace, data and graph tabs.

This release also includes the latest version (3.9.864) of the Kvaser Database Editor, as well as a number of bugfixes described below.

By far the most important bugfix is that timestamps are no longer corrupted at high busloads. This was happening when you did both tx and rx on the same channel, combined with a relatively high busload.

In addition the toolbar buttons have been fixed to scale properly, the send tab has been improved with better verification of entered parameters and we had situations where CANtrace would crash when you used the report-a-bug feature which has now been resolved.

There's also a number of minor fixes mainly related to the help system.

New and Changed Functionality

- #684 – Play back log file to real CAN bus
- #2042 – Mask priority bits in J1939 databases
- #2031 – Adds DM1 and Address Claimed messages to J1939 database
- #1763 – Sorting of all columns in trace view, also when on bus
- #1182 – Removes the unnecessary level from the right click menu
- #1160 – Adds settings button to toolbar
- #2297 – Updated Kvaser Database Editor to latest version
- #2295 – Generate CANtrace version from GIT
- #2084 – Autogenerate copyright info in Splash screen
- #2304 – Update contact information link to new webpage

Bugfixes

- #2144 – Timestamp corrupted at high bus loads
- #2289 – Fixes bad scaling of several toolbar icons
- #1789 – If cycle and burst in send tab set to nothing there is an exception
- #1388 – CANtrace crashes when using "report a bug"-feature
- #2126 – Help button in Send Tab - Add Signals does not work
- #2111 – Fixes missing text in Data – Configure Signals
- #2281 – Softing missing on some help pages
- #2115 – Updates outdated screenshots of Vector HW Conf in Help
- #1989 – Help button on Associate Database dialogue opens wrong section
- #2285 – Installer exe has File version 0.0.0.0