Release Notes – CANtrace 4.2

CANtrace 4.2 introduces a significant update to graphing, along with a range of new features, usability improvements, and critical bug fixes designed to enhance both performance and the user experience.

This version features significant upgrades to the graphing functionality, including single-view and multi-view presentation modes, improved signal configuration possibilities, a new legend feature, usability improvements, and visual enhancements.

The project, log file, and database file system now support relative paths, which allows for efficient sharing and moving of preconfigured projects. Additionally, CANtrace project files are now recognised by Windows, enabling users to launch CANtrace projects directly from a directory.

Additional enhancements include usability improvements, support for new CAN interface models, enhancements to CANtrace scripting, and layout changes. This update addresses multiple known bugs and improves overall performance.

Overall, CANtrace 4.2 provides a more stable, intuitive, and flexible environment for CAN bus analysis.

New Features & Functionality

- **[Major Update] New & Improved Graphing**

  - Major update to graphing functionality, usability, and aesthetics

  - New single-view and multi-view presentation modes

  - New legend feature to extend graphing functionality

  - Enhanced signal configuration functionality

- **Project & File Enhancements**

  - Support added for relative project, log file, and database paths

  - Added support for CANtrace project files in Windows

  - Added support for playing the logfile messages back to the recording channels

- **Improved Data Tab Functionality**

  - New and improved data presentation format for decoded signals

  - Improved data tab layout and usability

- **Devices & Scripting Enhancements**

- Support for new interface models added

- Added support for OS modules in CANtrace scripting

- Improved CANtrace scripting usability

- **Keyboard Shortcuts & Help Enhancements**

  - New keyboard shortcuts for common Windows actions

  - Improved context-sensitive Help and Help layout

- **Improved Send Tab Functionality**

  - Improved send tab layout and usability

Bugfixes & Improvements

- Fixed crash when clicking Send while not on bus

- Resolved graph performance issues and auto-scale bugs

- Project now saves correctly when closing on-bus

- Timestamp resolution improvements

- Improved dialog window scaling

- Fixed Help typos, broken links, and browser link handling

- Resolved message loss on PEAK silent mode change to normal mode