Changelog

1.2.0

Acquisition, Recording & Log Replay

- Add ASC log replay feature with playback controls in the main toolbar and time slider
- Add ASAM MDF 4.x (.mf4) log replay support for CAN, LIN, DoCAN, K-Line, and DoK-Line
- Add ASAM MDF 4.x (.mf4) trace recording support for LIN, DoCAN, K-Line, and DoK-Line
- Add multi-bus recording docks to capture traces across multiple buses simultaneously
- Add pause and resume controls during live acquisition and log replay
- Format extended 29-bit CAN IDs with standard lowercase 'x' suffix in ASC trace logs for full third-party tool compatibility
- Improve recording performance for ASC trace logging

User Interface & Navigation

- Integrate bus configuration views directly into flow tabs and add left panel for quick bus navigation
- Allow renaming buses and docks by double-clicking on tabs, with custom titles saved in project files
- Allow closing, reopening, and reorganizing docks with layout automatically saved in project files
- Add global keyboard shortcuts for core actions (Project: Ctrl+N, Ctrl+O, Ctrl+S, Ctrl+Shift+S; Acquisition: F4, F5, F9, F10, F11, F12; Windows: Ctrl+Shift+N, Ctrl+Shift+D, Home; Help: F1)
- Add copy to clipboard functionality for tables and tree views (Ctrl+C for TSV data, Ctrl+Shift+C with column headers, and right-click context menu)
- Add Recent Projects submenu in File menu to reopen the last 5 projects with numeric shortcuts
- Modernize Dark, Light, Exxotest, and High Contrast themes with crisp vector icons, checkbox indicators, and compact toolbars (20x20 px icons, subtle separators)
- Add automatic space formatting when editing hexadecimal data fields
- Add Help menu with About and Changelog dialogs
- Add Hungarian language support
- Windows: adopt Windows 11 styling

CAN

- Expandable tree view in acquisition mode to view decoded DBC signals directly under CAN messages

- Update default CAN FD data bitrate to 5000 kbit/s
- High-visibility vector badges to indicate FD, BRS, ESI, and RTR flags
- Automatically hide CAN-FD and low-speed termination settings when unsupported by connected hardware
- Move emission frame management directly into flow views
- Protect error counter and bus load fields as read-only to prevent accidental edits
- Drastically reduce CPU usage and improve UI responsiveness under heavy bus loads

LIN

- Add expandable tree view hierarchy in acquisition mode to unfold frames and inspect decoded LDF signals (signal names, bit sizes, physical values, and units)
- Add fixed Identifier view mode (similar to CAN) in addition to chronological view
- Add frame period column
- Set default Event Reporting mode to SPY
- Improve UI responsiveness and reduce CPU usage

DoCAN

- Add support for No Flow Control (Spy mode) channel parameter
- Move emission frame management into flow views, and clear/disable emission tables when no channel is selected
- Automatically apply and save pending channel edits on view toggle, acquisition start, and project save
- Allow custom channel naming and auto-resize channel configuration tables without truncating response target addresses

K-Line & DoK-Line

- Standardize bus naming to "DoK-Line" across the user interface and tabs
- Move emission frame management into flow views, and clear/disable emission tables when no channel is selected
- Automatically apply and save pending channel edits on view toggle, acquisition start, and project save
- Allow custom channel naming and auto-resize channel configuration tables without truncating response target addresses
- Protect K-Line error counter field as read-only

Performance & Reliability

- Optimize chronological views with smooth scrolling and lower CPU load under high bus throughput

- Decouple frame direction indicator animations (RX/TX) from GUI refresh across all bus types
- Prevent application deadlocks during simultaneous acquisition and DBC/LDF file reloading

1.1.1

- fix address extension configuration in DoCAN channel

1.1.0

- add KLine
- add DoKLine
- add LIN (with a LDF parser)
- add CAN filters
- add MF4 record for CAN
- add multilingual support
- use a dock system for flows organisation
- add a CSV export from flows data

1.0.1

- fix random crash when parsing dbc a long time
- enhance device management during the acquisition

1.0.0

- View CAN communications
- send CAN message
- View DoCAN communications
- send DoCAN message
- ASC logger in CAN/DoCAN
- Real time DBC parser in CAN view