

catoolRT 19.12 Release Notes

Changes since 19.9:

- Improvements to AK control including support for remote configuration
- Fix an issue with channel grouping
- Fix an issue with disconnected CANbus hardware causing higher than necessary CPU utilisation
- Support headless mode where GUI is reduced to system tray and no dialog boxes are shown
- Allow configuration of maximum sample rate
- Some configuration options are moved to an application configuration file (config.app) rather than the DAQ config (config.daq) this includes:
 - o Engine database
 - o Plot defaults
 - o Batch processing defaults
 - o Items in "File" "Properties"
- Default XCP rate changed to 1000 microseconds (1ms)
- XCP cycle offset implemented to allow cycle data to time align with the start of the engine cycle
- Added additional status messages when DAQ is starting
- Added robustness to DAQ hardware being plugged in late
- Improvements to menu and toolbar status' when going on or offline
- Improved 2-stroke simulated engine
- Angular torque calculation robustness when calculated online
- "Analyse Loaded Data" moved from "Configure Analysis" to "Properties"
- Inserting or removing CAN or DAQ hardware will immediately update the list of available hardware in "Configure CANbus" and "Configure DAQ"
- Hardware listed in "Configure DAQ" are identified with [R]emote and/or [D]isconnected
- Improvements to XCP CPU utilisation
- Improved support for analogue input voltage range by adding +/- 100mV, 200mV, 500mV and 60V ranges plus only showing ranges supported by hardware
- Quicker to exit catoolRT if a DAQ was in progress
- Double-clicking on a datalist item will open a new diagram of that channel
- Populate email address if possible when registering trial licence
- Add "Buffer Size" and "Minimum/Maximum Segment Time" to "Advanced Config"
- Fix an issue where some empty dropdown selection boxes would crash
- Add "DAQ Errors" parameter
- Close application gracefully if online and computer is shutdown
- Added more fidelity to the "Tidying up..." messages at exit
- Right-clicking on status messages in status bar allows direct selection of the message type. Double-clicking increments the status message type unless set tot "Rotate"
- Information about remote or local AK connections appears in a pop-up if the mouse is held over the AK status icon (far right-hand side of status bar)
- Fixed bug where default line style patterns and marker shapes were not saved correctly
- CPU improvements when XCP is enabled but not online