



VBOXTools 1.8.1 is now available!

VBOXTools 1.8.1 introduces many new features. The new “Voice Tagging” feature in PC File Manager allows notes to be recorded easily in audio, then replayed during post-processing. “Warning Thresholds” allow visual and audio notifications whenever the data for the required channel enters a user-defined range. A new channel, “Elapsed Distance”, can be used to display the distance travelled since the start of the file in Report Generator results. This document outlines the main new features; full instructions on their use can be found in the newly-updated VBOXTools Manual.

Please Note:

All customers are strongly advised to upgrade to the latest version of VBOXTools, as well as the latest versions of firmware used in VBOX dataloggers, speed sensors and CAN modules. In addition to the new features listed here there are also several bug-fixes. Racelogic can only provide support for customers using the latest versions of software and firmware.

If you are currently running a version of VBOXTools that is older than V1.6.1, you should uninstall that version using either the option available in the VBOX directory in the Start Menu of your computer, or by using the “Add or Remove Programs Wizard” in Control Panel. For users running V1.6.1 or later, the new version of VBOXTools will do this automatically.



Report Generator

Memory Stores From Test Lines

When choosing to assign a column's line condition result value to a memory store, it is now possible to choose a specific test line for which this will be done. Previously, the memory store would be updated with every new valid line condition.

Pick Test Directory Structure

The Pick Test facility now works off a directory structure rather than a user-created list, which will be quicker for the majority of users.

Setup Change Warning

The software now gives the user a warning and an option to save the existing test setup before they make changes to an un-saved setup.

Elapsed Distance Channel

Elapsed distance is a new channel available in the Report Generator. It allows comparison of the time that has passed since the start of the file (rather than the start of the run) which can be useful in applications such as brake fade testing where the time that has passed between runs is critical.

New Time Format Option

In the Report Generator results table, time values are now available in mm:ss.ss format (minutes, seconds and decimal seconds), in addition to the existing ss.ss format (seconds and decimal seconds only).

Hide Line Conditions

In test setup, the options menu now includes an option to hide line conditions in the results table.

Memory Stores As Column Headers

It is now possible to select any of the memory stores as a column header in the results table. This can be useful in any application where it is necessary to know the value held in a memory store at each test line, as well as for debugging new test configurations.

Saving User Text With Results

When comments have been entered into the Report Generator results table by the user, these comments are now included with the results if they are saved to a file.



Graph

Streamlined Data Table

The data table in the graph screen now only contains columns for loaded main and compare files. This reduces the space required by this window when analysing fewer files simultaneously, leaving more room for other windows.

Setup Menus Are Now Identical

The setup options in the Graph screen have been cleaned up, so that all setup options are now available not only from the toolbar menu but also by right-clicking in any of the Graph screen's windows.

Live Windows

Warning Thresholds

User can now enable "warning thresholds". These are audio beeps and changes of colour when the data for the desired channel reaches user-defined value ranges.

Line Graph Y-Axis Scale Reset

Live window line graphs now have a button to reset their y-axis scale to the current value. This allows users to quickly zoom the live window to a suitable scale for viewing.

Tools

Voice Tagging In PC File Manager

When logging data on a PC using the PC File Manager tool, users can now add voice notes such as test conditions or erroneous runs. These notes can then be replayed instantly when viewing logged files in the VBOXTools graph screen.

Google Earth Made Even Easier

When exporting files to .KML format for use in Google Earth, VBOXTools will now automatically sub-sample the data to keep it within Google Earth's allowable limits, allowing longer files to be exported with ease.

Body Angle On File Load

The Body Angle Channel Creator tool now includes an option to automatically calculate body angle channels whenever a suitable file is loaded into VBOXTools.

Other

FIM03 Fuel Flow Functionality

VBOX Setup can make full use of the latest changes made to FIM03 firmware, which allows more powerful measurement of vehicle fuel flow.

Speed Quality Channel Availability

The speed quality channel is now available throughout the software; formerly called "velocity quality", it was not previously available in the Maths Channel and Generate New Channel facilities or as a column header in the Report Generator results table.

Radius Of Turn Channel Availability

The radius of turn channel is now available throughout the software; it was not previously available in the Maths Channel and Generate New Channel facilities.