

Release Notes WAVEcontrol v4.11.0

These release notes list all new features, changes, and fixes available with the WAVEcontrol software version v4.11.0.

The release date is October 7, 2026.

1. New Features

- 1.1. It is now possible to save a view as template or open a saved template during evaluation.
 - Two buttons were added under Evaluate & Simulate (*Evaluate & Simulate* -> *View* -> "Save view" and "Saved views"). The "Save View" button allows to save the set view. The "Saved Views" is a dropdown button where a user can select a presaved view. With a right click on the saved view a user can also Rename or Delete it.
 - Under *Evaluation* -> *View*, the icon for the "Reset" button is changed (resetting the view to default). The button name changed from "Reset" to "Reset View".
 - In addition, when a view in evaluation is adjusted, the view is not reset anymore when a user clicks on another tab in the *Project Tree* (e.g. Measurements). The view is kept as long as the user is working in one file or until it is reset in *Evaluations* -> *View* tab.
- 1.2. Graph titles in Evaluations are now short(er) and can be changed in batch. The graph title format for Kinetics is now: <Analyte> - <Ligand, if applicable> <Channel> - <BioModel>. The format for Equilibrium is the same, preceded by "Equilibrium".
 - In *Ligand screening*, graph titles now only contain the ligand name, not automatically including the analyte nam: <Cycle>_<Channel>_<Ligand>
 - When changing graph title in the thumbnails, this now updates instantly

2. Fixed Issues

- 2.1. When the target level function is used for ligand immobilisation, the exported Summary table now shows the correct ligand density (X pg/mm²) and only the relevant channel on which the ligand was applied.
 - Note: Existing reports remain unchanged. To update the content a report needs to be regenerated.
- 2.2. The visualisation of association curves in MCK during evaluation is now based on more data points, resulting in a visually smoother plot.
- 2.3. When using *Direct Kinetics* for evaluation, after manually setting an Rmax it is not automatically calculated anymore. The same issue was fixed for k_d and k_a .

- 2.4. It is no longer possible to move (drag and drop) a sample in the *Autosampler* view from one plate to a destination plate if the volume exceeds the other plate's maximum well volume. When attempted, a pop-up warning is shown.
- 2.5. For MCK, fixed the refractive index (RI) correction so association values use the correct global maximum setting in the Traditional Fit.
- 2.6. Fixed issue with rounding molecular weight values in a wizard/Autosampler view when the number is higher than 1000 Da. This number does not get rounded to the nearest 1000 anymore after saving and reopening a project.
- 2.7. WAVEcontrol now includes a logging health check that detects when it cannot write its log files to prevent missing log files. The operator sees an on-screen warning to save their work and restart so that logging resumes. Measurement data is not affected.
- 2.8. Improved behaviour on how software handles damaged data files (e.g. when there's a disconnect between laptop and device due to faulty or disconnected USB cable), so that in many cases data files can still be analysed when corrupted.
- If corruption of datafiles persists on an instrument, check the cable, port and USB adapter.
- 2.9. Fixed issue introduced in WAVEcontrol V4.9.1 and subsequent releases where the autosampler temperature was not possible to set through *Device -> Temperatures -> Autosampler temperature*.

Great news! How can I get it?

From the 7th of October 2026 a window will prompt once the WAVEcontrol is launched, notifying that a new update is available. Simply select *Download and Install*.

Please note that internet access and access to <https://github.com> is required for are auto-updates to be executed.

The release can also be manually downloaded [here](#) from the Malvern Panalytical website.

To ensure optimal performance of WAVEcontrol please ensure that Windows and Dell driver updates are completed periodically. Automatic updates are recommended to be disabled to prevent automatic restarts but should be manually completed at a convenient time to allows for the correcting functioning of the PC.

For any queries, please contact Creoptix support:
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Thank you,

Creoptix Team