The new release of PatchControl HT, the software controlling the Patchliner, includes an update of PatchMaster to the latest version (Dec 2017). The integration of the most recent PatchMaster version with PatchControl HT enables the use of PatchMaster’s ‘Multichannel’ mode, automatically applying analysis functions to all enabled channels, and ‘Polling’ mode, to improve communication between the two softwares, much facilitating the design of recording protocols (trees and online analysis). One recording function replaces all previous functions and automatically involves the reading of online results, thus, dramatically simplifying set-up and execution of online analysis functions. New and improved analysis features such as steady state detection and automated IV plot analysis are also now available.

Key improvements of the PatchControl HT software

- Improved communication and timing due to ‘Polling’
- Online analysis functions automatically applied to all channels
- Simplified recording function
- More data logging options
- Fewer interruptions - automatic retry on LLD error
Integration of CoolingPlate control

The Patchliner CoolingPlate is an add-on for actively cooling cells and compounds to improve cell viability and stability. The CoolingPlate can be controlled directly from PatchControl HT. When the CoolingPlate dialog is enabled, the settings for the CoolingPlate are displayed in the Temperature Control window.

PatchControl HT software update

“We have worked hard at Nanion to simplify and improve the usability of the PatchControl HT software. In addition, we are now able to take advantage of the many improved features of the PatchMaster software. Using the 'Polling' mode of PatchMaster, there is a continuous dialog between PatchControl HT and PatchMaster which runs in the background and ensures accurate communication and improved timing of commands. Using the 'Multichannel' mode, customers now only need to define analysis options for one channel and this is automatically performed for all channels without any extra multiplication steps. On top of this, we have implemented many analysis features including automated IV analysis in Igor and steady state detection to improve experimental and analysis procedures.”

Nadine Becker
Product Manager, Patchliner