

## Eksigent Control Software

For NanoLC™, NanoLC-Ultra®, ExpressLC®-Ultra, ExpressHT™-Ultra, ekspert™ microLC, and ekspert™ nanoLC systems

Version 4.0

### Where to Get Help

- *Eksigent Control Software User Guide*
- *Installation Notes for Analyst® software, Xcalibur software, and HyStar software*

### Support

- Email: [support@absciex.com](mailto:support@absciex.com)
- Web: [www.absciex.com](http://www.absciex.com)

### Changes from Version 3.12.1 to Version 4.0

- Support for the new ekspert™ nanoLC systems.
- Improved installer performance specific to each supported operating system.
- Addressed the issue on Windows 7 where the system and device settings were not synchronized when the software was run under different user accounts. The issue commonly manifested itself on Xcalibur systems when switching between running the Eksigent software as an Xcalibur driver and as a standalone application.
- Added the device port auto-detection feature for pumping systems and for the ekspert nanoLC 400 autosampler.
- Removed the limitation of not being able to communicate with the Eksigent pumping systems over serial ports that have numbers greater than 16.
- The Eksigent Driver Configuration Utility no longer disables the Analyst® software driver configuration setting when the Analyst Service is running.
- Included support for the AB SCIEX Smart Monitor diagnostics utility.
- Improved device support and shutdown behavior under all versions of Xcalibur software.
- Addressed the issue of possible AAO and Analyst software queue stalls under certain pump conditions, such as pump restroke during an LC method.
- Improved the driver configuration setup utility for the Analyst TF software.
- Addressed the issue of 'method overrun' errors.
- Included improvements to pump purge operations, including pressure checks.
- Improved device logging.

- Addressed minor user interface issues throughout the application.
- Added the 'extend' function to the direct control monitor baseline tool.
- Updated the FTDI/USB drivers.

## Installation Notes

- The software must be installed by a user with administrative privileges on the target system.
- If a target system is being upgraded from a previous version of Eksigent Control Software, install the software over the existing version to make sure that all previous instrument calibration settings are preserved. Uninstalling the software and deleting all relevant existing files from your hard drive prior to installing the new software may result in the loss of previous hardware calibration settings and will require new instrument configuration and calibration.
- If the Eksigent NanoLC 3.10 Fix for AAO Driver Synchronization Issue patch was previously installed on the target system, it will be automatically removed during the installation of this release.
- In some cases, it is desirable to upgrade the instrument firmware within a particular hardware device. Certain instruments can be upgraded directly from the desktop PC using the Firmware Update utility from the Eksigent program group. The relevant firmware hex files can be found in the installation directory. Contact AB SCIEX technical support before upgrading instrument firmware.

## Notes to Users of the ExpressLC-Ultra System

- A computer system for running Eksigent Control Software version 4.0 with ExpressLC-Ultra system shall at minimum have a dual-core CPU 2.60 GHz and 3 GB of RAM.
- The Eksigent Control Software version 4.0 controlling ExpressLC-Ultra system can operate only under a user account with administrative privileges.
- The device driver files for Eksigent USB detector board (ExpressLC UV systems) are not installed by default. Select the 'install Cypress USB drivers' option during the software installation process for these systems.
- The Windows 7 64-bit device driver for the Eksigent USB detector board is not signed by Microsoft. In order to ensure trouble-free operation of the Eksigent Control Software the user must disable the Driver Signature Enforcement feature each time the computer is started. This can be done using the following procedure:
  - a. During the initial boot stage and prior to the **Starting Windows** display, press **F8** for the system boot options menu.
  - b. Select **Disable Driver Signature Enforcement** and then press **Enter**.

## Known Issues and Limitations

- The user must have administrator privileges in order to properly run the Eksigent Driver Configuration Utility. On Windows 7 with UAC (User Account Control) enabled, there will be UAC prompts regarding the execution of the Eksigent Driver Configuration Utility. Once allowed to run, the Eksigent Driver Configuration Utility will operate correctly.
- When exporting and importing Eksigent device settings, we strongly recommend to use the export and import functions provided by the Eksigent software via the Instrument Configuration user interface and the Driver Configuration Utility respectively. This will make sure that the device settings are correctly exported or imported in the current operating environment. This is especially relevant for the 64-bit version of Windows 7. The practice of using System Registry Editor for manipulating device setting is strongly discouraged.
- Occasionally, the device port auto-detection feature might fail to detect the device. If this occurs, the communication port settings will be configured in the Instrument Configuration user interface.
- The Eksigent Method Merger for the Analyst<sup>®</sup> software does not support methods for the ekspert<sup>™</sup> nanoLC 400 autosampler in this release.

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