



Saphyr[®] ICS v4.8 Release Notes

Document Number: 30262

Document Revision: A

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Revision History

Revision	Notes
A	Initial Release

Saphyr ICS

This document describes the v4.8 release of Saphyr ICS (Instrument Control Software). In this document we will provide an overview of what is changing with this release so that you may better understand the impact of moving to this version of ICS. Should you have any questions, please contact support@bionanogenomics.com.

Introduction

Saphyr ICS v4.8 is a new release of our instrument control software which provides the Saphyr instrument user with an interface for operating the instrument. ICS is designed to run in a Windows 10 environment on the PC supplied with the Saphyr instrument. **ICS v4.8 must be installed by Bionano Genomics Support.**

Compatibility

Saphyr ICS v4.8 is compatible with Bionano Access® v1.3.1 and higher.

This software release is compatible with Saphyr Instruments with part number **60325** only.

ICS v4.8 Highlights

User Interface and Functionality

Improvement	Description	Associated JIRA Ticket(s)
Hardware Support	This release provides support for Saphyr Instrument Part Number 60325 and chips 20366, 20367	ICX-1864, ICX-1867
Dual Loader Workflow	Allows the user to load and configure 2 chips in the instrument. The instrument will process the first chip and when completed, the instrument will process the second chip without user intervention. The user can pause a run that is in progress to replace a completed chip with a new one, allowing for continuous operation.	ICX-1865, ICX-2514
Integrated Molecule Detection	Integrated the molecule detection algorithm into ICS (was performed on Bionano Access Server in previous releases). This enables simplified data management, advanced DNA adaptive loading algorithms and an integrated run dashboard in ICS.	ICX-2114
New UI Theme	Redesigned the UI theme and streamlined the user workflow to reduced hands-on time.	ICX-2479
Gen 2 Adaptive Loading	Improved DNA adaptive loading algorithms to provide better throughput for a wider array of sample types.	ICX-1854
Improved Reoptimization Logic	Improved reoptimization logic and integrated real-time throughput statistics to drive reoptimization trigger conditions.	ICX-1856
Tiered Diagnostics	Added tiered diagnostic capability to simplify support workflow.	ICX-1860, ICX-2858

Technical Assistance

For technical assistance, contact Bionano Genomics Technical Support.

You can retrieve documentation on Bionano products, SDS's, certificates of analysis, frequently asked questions, and other related documents from the Support website or by request through e-mail and telephone.

Type	Contact
Email	support@bionanogenomics.com
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Website	www.bionanogenomics.com/support