InfinityLab Assist Control Software 2.1 SR1

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Introduction

This release note summarizes information for release 2.1 SR1 of the InfinityLab Assist Control Software.

For the InfinityLab Assist Control Software, find the summary of major changes below.

For information about defect fixes, please see the additional documents Software Status Bulletin (SSB) and if applicable a Software Release Bulletin (SRB).

Features and Changes

New Features

General

Service Release 1 for InfinityLab Assist Control Software 2.1, providing compatibility with Agilent LC & CE Drivers 3.11.

Compatibility Matrix

The compatibility matrix provides information about installation and execution prerequisites with respect to hardware, firmware and the operating system.

Supported Operating Systems

The following PC and software requirements are needed for viewing the browser user interface.

Specification Description	Details
Operating system name, version	Windows 10 or 11, Enterprise of Professional, 64-bit
Web browser	Chromium-based browser (Chrome, Edge, Firefox, etc.) with a version higher than 132 Safari-based browser with a version higher than 17.6

InfinityLab Assist Control Software Localization

The Agilent InfinityLab Assist Control Software is available in US English, Chinese, and Japanese language.

Supported Chromatographic Data Systems

This version of the Agilent InfinityLab Assist Control Software is supported with:

Chromatographic Data System	(Minimum) Software Versions
OpenLab CDS	2.6, 2.7, 2.8, 2.8 FP1 and FP2 Client/Server (provides browser access)
OpenLab CDS ChemStation Edition	C.01.10 and LTS 01.11
Agilent MassHunter Acquisition	12.1 (QTOF) and 12.2 (TQ)
Empower	Empower 3.4 Agilent Driver for Waters Empower 4.1
Chromeleon	Chromeleon 7.2.10 Muf, or higher Chromeleon 7.3.1 Agilent Driver for Thermo Fisher Chromeleon 3.2 (LC Driver 3.9)

Some of the functionality offered by the Assist Control Software may not be supported by all LC drivers and CDSs. Please refer to above feature list and the corresponding CDS and ICF documentation for further details.

Installation

For proper installation and setup of the Agilent InfinityLab LC Series Assist system, users are advised to follow the procedures outlined in the official documentation. Please refer to the Agilent InfinityLab LC Series Assist User Manual.

This manual provides comprehensive, step-by-step guidance to ensure correct installation, configuration, and initial operation of the system in accordance with Agilent's specifications and best practices.

Other Documents

The InfinityLab Assist Control Software USB drive includes more documents with further information:

- Software Status Bulletin (SSB): The Software Status Bulletin lists known limitations, incompatibility and information about available fixes or workarounds for this and previous versions.
- Software Release Bulletin (SRB): The Software Release Bulletin is an excerpt from the SSB which lists issues which have been fixed with this revision.

Where to find additional information online

- SSB and SRB are included in the InfinityLab Assist Control Software installation media and can be found in the folder documentation.
- The SSB is updated regularly. Please visit our Website for the latest version at https://update.pl29.agilent.com/infinitylab/
- For detailed information on new modules and features, please refer to the InfinityLab Assist Control Software online help and corresponding module manuals, which are available at http://www.agilent.com.

Updates

Agilent continuously improves its drivers, firmware and software and recommends using latest updates. If applicable, any updates or bug fix releases for this InfinityLab Assist Control Software are available from Agilent InfinityLab Assist Updates https://update.pl29.agilent.com/infinitylab.

To ensure a smooth update process for the Agilent InfinityLab LC Series Assist system, users are encouraged to follow the official documentation. Detailed instructions and best practices can be found in the Agilent InfinityLab LC Series Assist User Manual.

This manual outlines the necessary steps for performing updates safely and effectively, in alignment with Agilent’s operational standards.

Appendix

Appendix A – Release History

Version 2.1.9

Released Nov 2025

Tasks Enhancements

- Advanced Task Configuration: Users can now define ramp parameters, customize detector wavelengths, and utilize the newly added gradient flush support.

Software Enhancements

- Pump Control Enhancements: Quick actions now allow control over minimum and maximum pressure settings.
- Firmware Update: The Sample ID reader now supports automated firmware updates for streamlined maintenance.
- Multi-IP Support: Stored mode now supports multiple IP configurations.
- Ambient Screen Improvements:
  - Display block messages directly on the ambient screen.
  - Add contextual notes to support collaboration and provide relevant information for colleagues.
- Admin Settings: More granular control options available in the admin settings panel.

Compatibility

- Cluster Visualization: Enhanced status board now supports visualization of:
  - 2D-LC Clusters
  - Pump Valve Clusters
  - Valve Thermostat Clusters

Health

- Temperature Trends: Autosampler temperature trends are now available in Insights.
- Diagnostic Tools: A new guided procedure for thermostat testing has been added to the diagnostic toolkit.

User Information

- Application Notes Access: A direct link is now provided to application notes for the Assist Control software.

Changed

- Improved Automation: Enhanced thermostat behavior and sensitivity for automated tasks, along with improved task duplication functionality.

Version 2.0.14

Released 18 Jul 2025

General

- OpenLab CDS Login Support - Login to InfinityLab Assist is now supported using OpenLab CDS credentials. (This feature is supported with OpenLab CDS version 2.8).
- PDF Report Export - PDF reports can now be generated and exported from logbook entries to support archiving and documentation.
- Instrument Service Blocking - Instrument can be blocked for service, restricting user access and CDS connectivity. Includes scheduled maintenance notifications. (Instrument Service Blocking in CDS is supported with LC and CE Drivers version 3.10).
- Update Notifications - Notifications are provided when new firmware or software updates become available, in case the InfinityLab Assist has outbound access to the Internet.
- Settings & Task Portability - Settings and tasks can be exported and imported across instruments, with encryption and configurable import options.
- Instrument Status Distribution - Usage is displayed by day, including time spent in active, idle, error, or off states, supporting efficiency assessments.
- Customizable Instrument Status View - The order of instrument status cards can be configured to match specific laboratory workflows.
- Japanese Language Support - The interface is now available in Japanese. On-screen keyboard has been improved for support of non-Latin characters.

Compatibility

- iQ LC/MS Detector Integration. Support for G6160B Pro iQ and G6170A Pro iQ Plus mass detectors within the Assist interface.
- Hybrid Multisampler Setup - Configuration support added for the 1290 Infinity III Hybrid Multisampler (G7137B)
- Sample ID Reader Status. The Infinity III Multisampler now displays the status of the InfinityLab Sample ID Reader (G4756A).
- Level Sensing Workflow. Integration with InfinityLab Level Sensing (G7175A), including solvent refill detection and guided adjustment dialogs.
- Agilent CrossLab Smart Alerts Integration. Compatible with Agilent CrossLab Smart Alerts A.02.02 for enhanced monitoring.

Health

- Interactive Guidance - Troubleshooting now includes step-by-step diagnostic procedures with interactive links for faster issue resolution.
- Guided Maintenance Procedures - Includes detailed workflows for pump head maintenance, rotor seal replacement, and peristaltic pump servicing.
- Expanded Diagnostic Tools - New guided procedures for pump leak rate testing, wavelength calibration, and FLD intensity testing.

Changed

- Instrument Trend “Analyses Per Day” - New name "Analysis Activity" - Successful and failed analyses are visualized based on the presence or absence of instrument error events during execution.
- Online Plot Widget - Improved usability for the Online Plot widget on Home and Ambient screens.

Version 1.1.0

Released 12 Dec 2024

Fixed

- Time zone handling issues in Assist Hub and Interface.
- Task scheduling uses the configured time zone.
- Instrument trend calculations align with the Assist Hub time zone.
- EMF notifications restored after LC module reconnection.

Version 1.0.4

Released 18 Oct 2024

Added

- Guided Startup during system setup.
- Context-sensitive help directly at the instrument.
- Enhanced security with UI access control.
- Easy deployment via USB or browser.
- Centralized instrument status and control.
- Task automation and scheduling.
- Seamless CDS integration.
- Direct instrument diagnostics.
- Guided maintenance and health checks.
- Assisted troubleshooting with interactive guidance.

Appendix B – Minimum required InfinityLab Assist Control Software per LC module

The following sections of this guide outline the modules supported by Assist Control Software and specify the minimum required software versions for compatibility.

Appendix

Agilent LC – Pumps

Product Number	Description	min. required version
G5654A	Agilent 1260 Infinity II Bio-Inert Pump	1.0
G7104A	Agilent 1290 Infinity II Flexible Pump	1.0
G7104C	Agilent 1260 Infinity II Flexible Pump	1.0
G7110B	Agilent 1260 Infinity II Isocratic Pump	1.0
G7111A	Agilent 1260 Infinity II Quaternary Pump VL	1.0
G7111B	Agilent 1260 Infinity II Quaternary Pump	1.0
G7112B	Agilent 1260 Infinity II Binary Pump	1.0
G7120A	Agilent 1290 Infinity II High-Speed Pump	1.0
G7131A	Agilent 1290 Infinity II Bio Flexible Pump	1.0
G7131C	Agilent 1260 Infinity II Bio Flexible Pump	1.0
G7132A	Agilent 1290 Infinity II Bio High-Speed Pump	1.0

Agilent LC - Sampling Systems

Product Number	Description	min. required version
G5668A	Agilent 1260 Infinity II Bio-Inert Multisampler	1.0
G7129A	Agilent 1260 Infinity II Vialsampler	1.0
G7129B	Agilent 1290 Infinity II Vialsampler	1.0
G7129C	Agilent 1260 Infinity II Vialsampler	1.0
G7137A	Agilent 1290 Infinity II Bio Multisampler	1.0
G7167A	Agilent 1260 Infinity II Multisampler	1.0
G7167B	Agilent 1290 Infinity II Multisampler	1.0
G7167C	Agilent 1260 Infinity II Hybrid Multisampler	1.0
G7137B	Agilent 1290 Infinity III Hybrid Multisampler	2.0

Agilent LC - Column Compartments

Product Number	Description	min. required version
G7116A	Agilent 1260 Infinity II Multicolumn Thermostat	1.0
G7116B	Agilent 1290 Infinity II Multicolumn Thermostat	1.0
G7130A	Agilent Infinity Integrated Column Compartment	1.0

Appendix

Agilent LC – Detectors

Product Number	Description	min. required version
G7114A	Agilent 1260 Infinity II Variable Wavelength Detector	1.0
G7114B	Agilent 1290 Infinity II Variable Wavelength Detector	1.0
G7115A	Agilent 1260 Infinity II Diode Array Detector WR	1.0
G7117A	Agilent 1290 Infinity II Diode Array Detector FS	1.0
G7117B	Agilent 1290 Infinity II Diode Array Detector	1.0
G7117C	Agilent 1260 Infinity II Diode Array Detector HS	1.0
G7121A	Agilent 1260 Infinity II Fluorescence Detector	1.0
G7121B	Agilent 1260 Infinity II Fluorescence Detector Spectra	1.0
G7162A	Agilent 1260 Infinity II Refractive Index Detector	1.0
G7162B	Agilent 1290 Infinity II Refractive Index Detector	1.0
G7165A	Agilent 1260 Infinity II Multiple Wavelength Detector	1.0
G6160B	Agilent InfinityLab Pro iQ Mass Detector	2.0
G6170A	Agilent InfinityLab Pro iQ Plus Mass Detector	2.0

Agilent LC - Valve Drives, Valves

Product Number	Description	min. required version
G1170A	Agilent 1290 Infinity II Valve Drive	1.0

Agilent LC - Other Modules

Product Number	Description	min. required version
G1390B	Agilent 1200 Infinity Series Universal Interface Box	1.0
G7175A	Agilent InfinityLab Level Sensing	2.0

Appendix

Agilent LC – Clusters

Product Description	Description	min. required version
Agilent Pump Valve Cluster Driver	A combination of one of the following pumps with up to two G1170A and valves 5067-4147 or 5067-4159 Supported pumps: G7111x, G7112x, G5654x, G7104x, G7120x, G7131x, G7132x	1.0
Agilent Valve-Thermostat Cluster Driver	A combination of G7116B, G1170A for combined valve control plus a combination of G7116B and G7130A for combined temperature control. Supports up to 32 columns.	1.0
Agilent 2D-LC System Driver	Combination of one 2D-capable pump G7120A with up to four G1170A valve drives into a 2D-LC System Driver.	2.1

NOTE

Modules which are part of clusters are displayed with a cluster icon in status. Task execution for clusters is not available in this version and will be added in a future release.

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Document No: D0143645 Rev. A.00