23.0331

Clarity™

ADVANCED CHROMATOGRAPHY SOFTWARE

CLARITY TRAINING

INSTALLATION & CONFIGURATION

DataApex

CONTENT

- Licensing & Software Protection
- Installation
- Registration
- Configuration

SOFTWARE PROTECTION

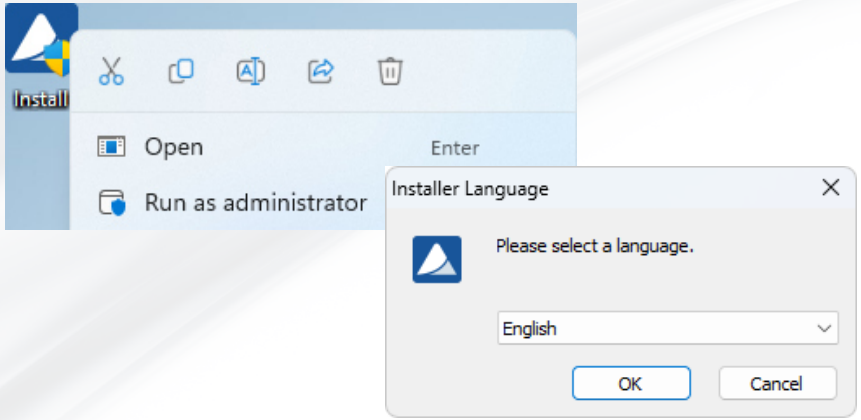
- One HW key required for each station (PC)
- One Clarity station running per PC
- Non-driver USB HW key is standard

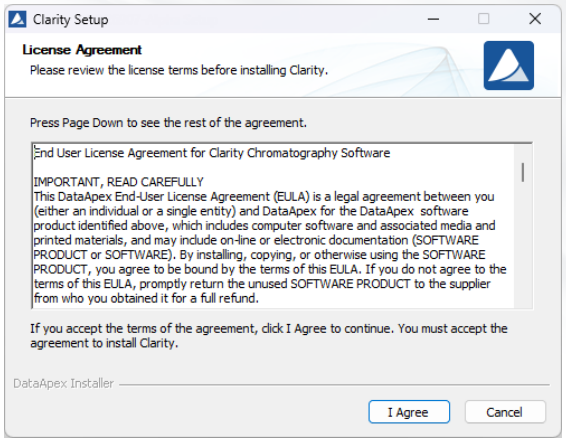
SOFTWARE PROTECTION

- User code (alphanumeric code) combined with the appropriate HW key (S/N yyyyyy) is required to operate Clarity (S/N xx-yyyyyy)
- Clarity rejects to start without a HW key plugged in
- TRIAL option is available (HW key required) for potential customers' in-house testing
- Clarity DEMO does not require a HW key
- Important: **Loss of the HW key is equal to a loss of the license!**

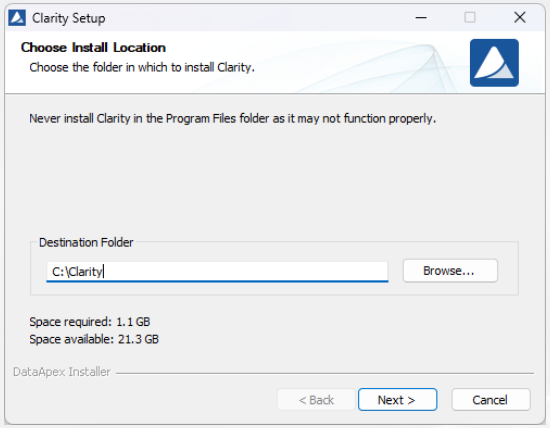
INSTALLATION

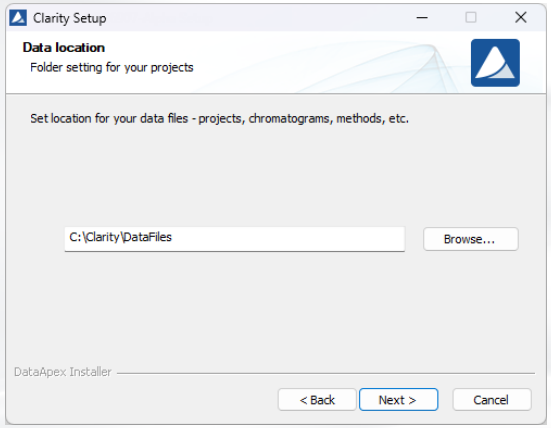
- Clarity installer *install.exe* from USB or DataApex website (not applicable to OEM versions)
- Use "Run as administrator"
- Select language for installation
- Confirm license agreement
- Follow the guidance of the installer
- Important: Do NOT connect any HW before installation

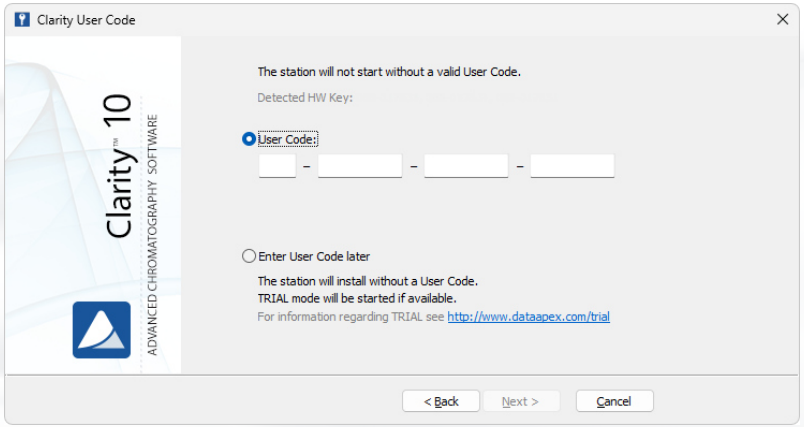


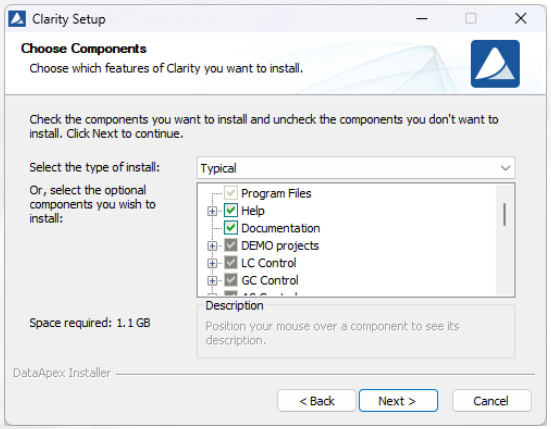


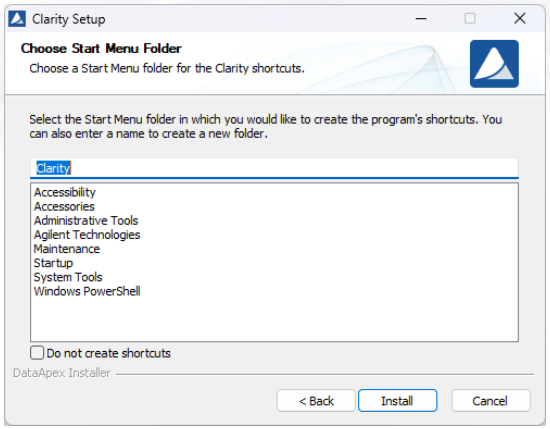
NEW INSTALLATION

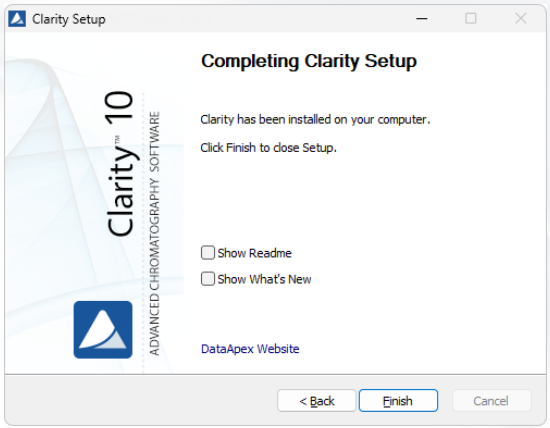








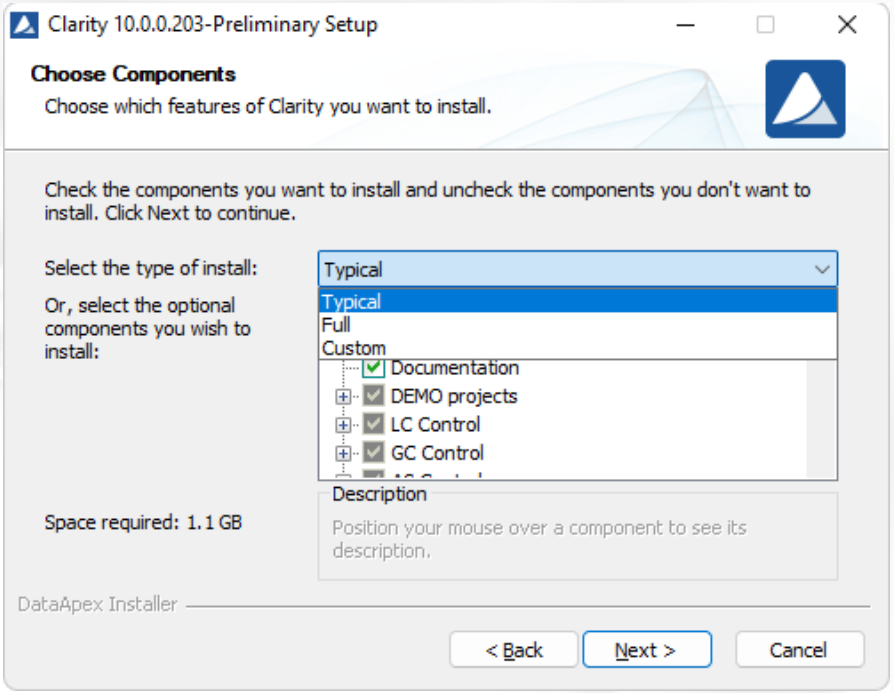




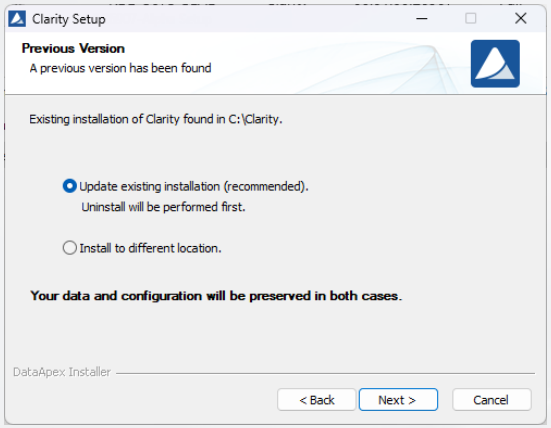
TYPES OF INSTALLATION

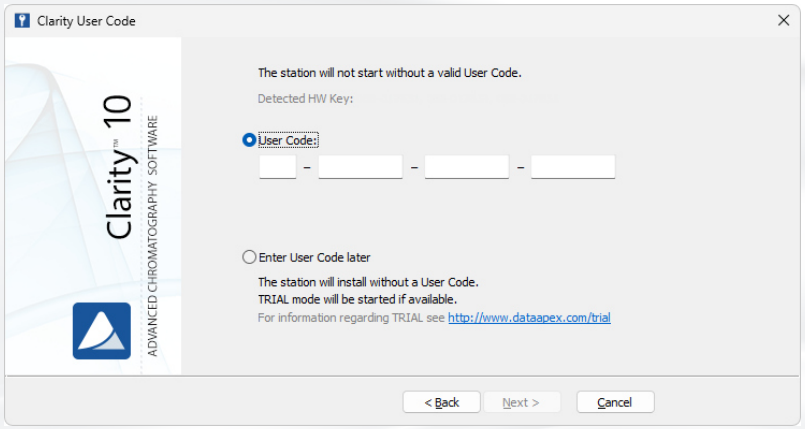
- Typical installation is recommended
- Some devices require additional parts – to be selected in the installation wizard:

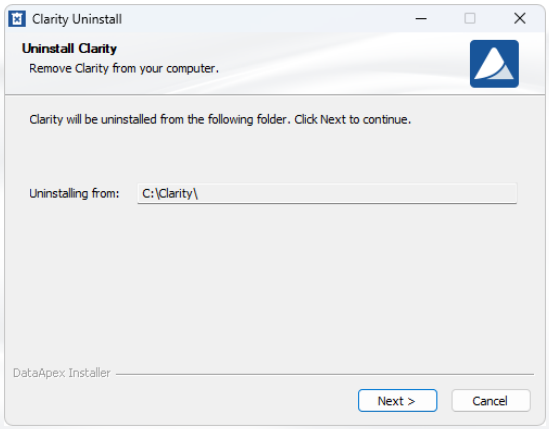
- Agilent HW (GC 8890…, Headspace AS, HPLC 1260/1290) → Instrument Control Framework (ICF)
- A/D Converters → Hardware
- MultiCOM → Utils

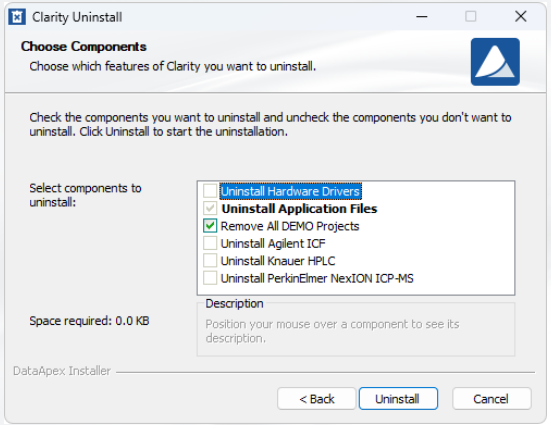


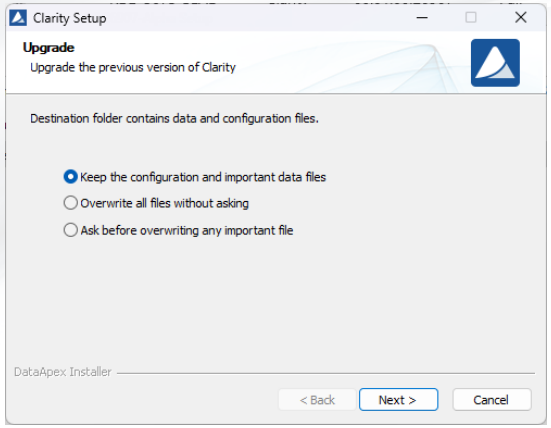
UPDATE/UPGRADE

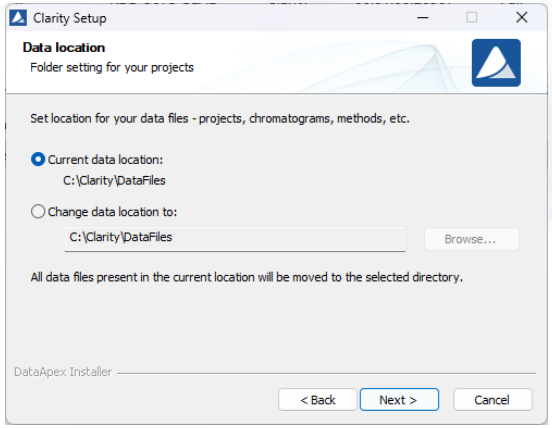








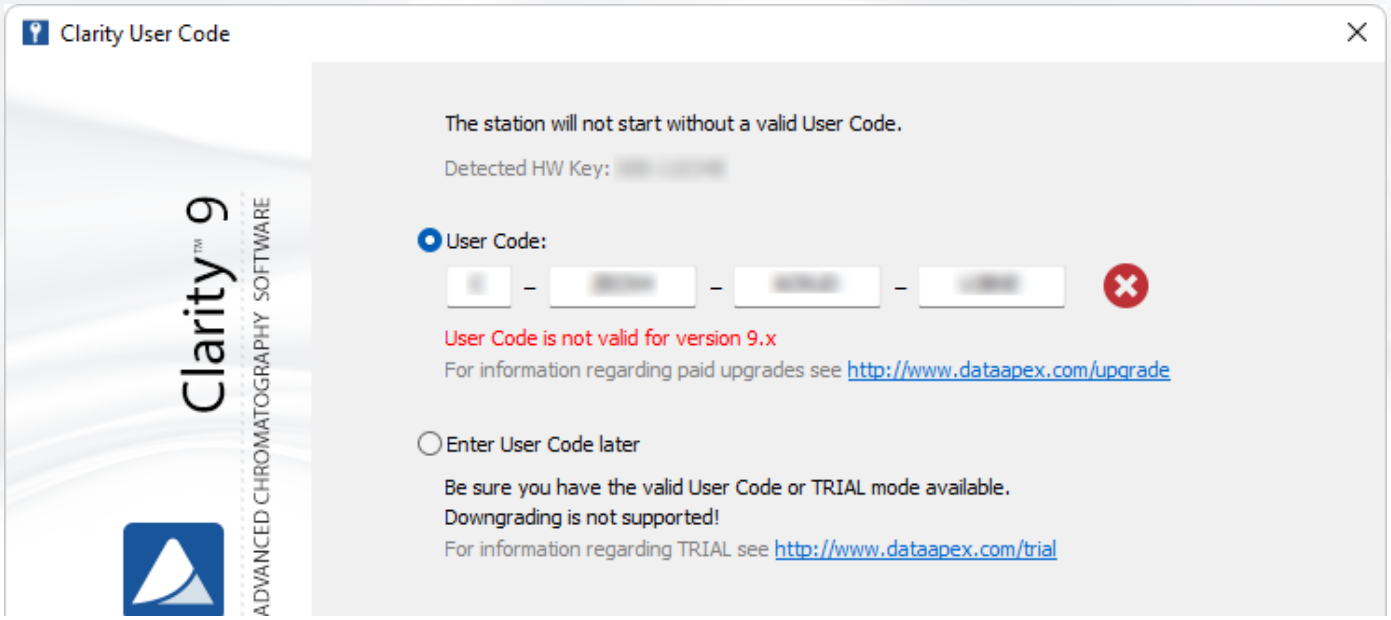




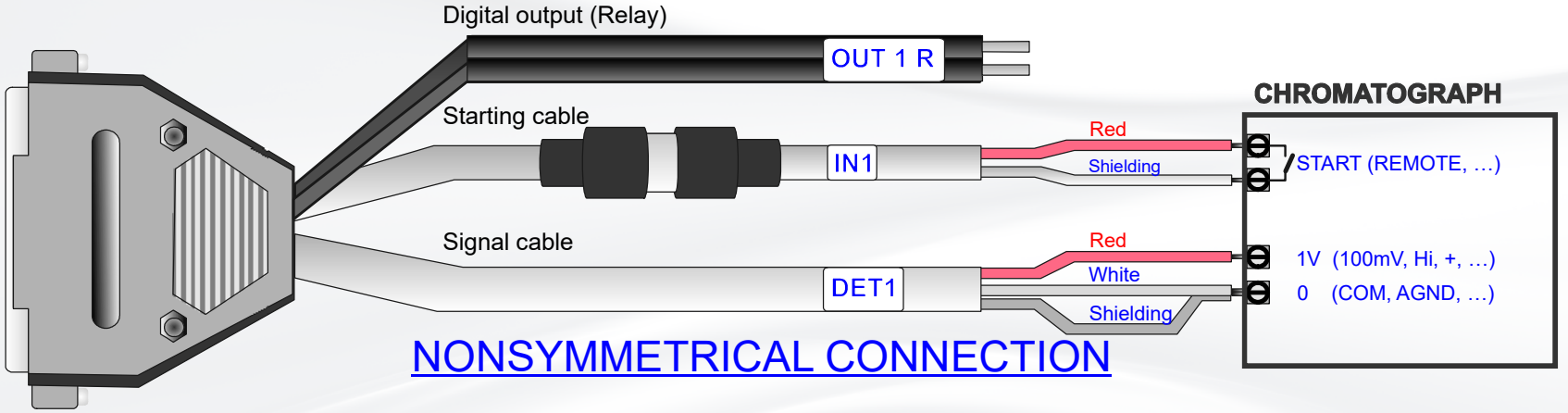
Choose Components and the rest as new installation

MAJOR VERSION UPDATES SINCE VERSION 9.0

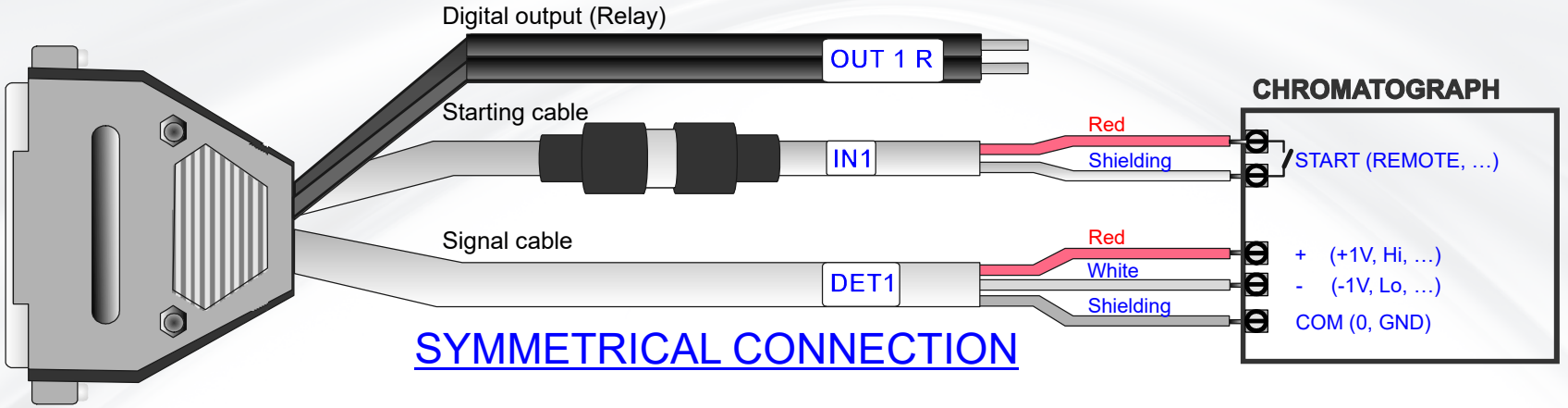
- Updates to major versions (change on the first digit place) are paid
- The Key Enter dialog was moved to the beginning of the installation
  - Validity of the entered user code is checked before installation



A/D CONVERTOR CONNECTION



NONSYMMETRICAL CONNECTION

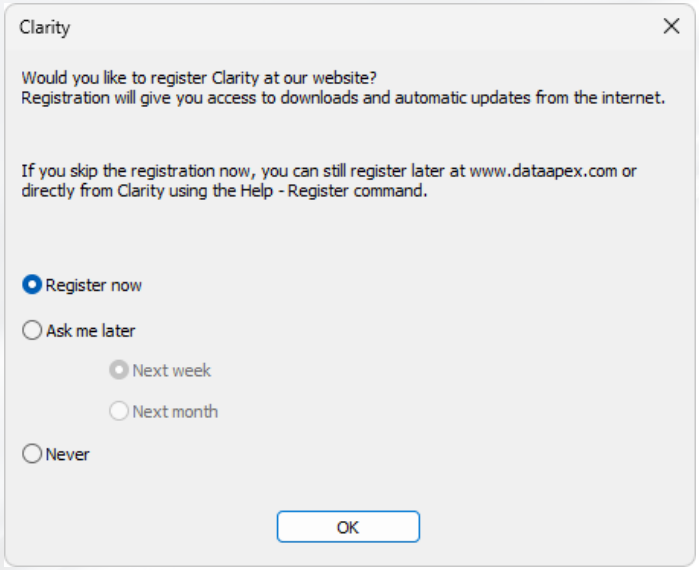


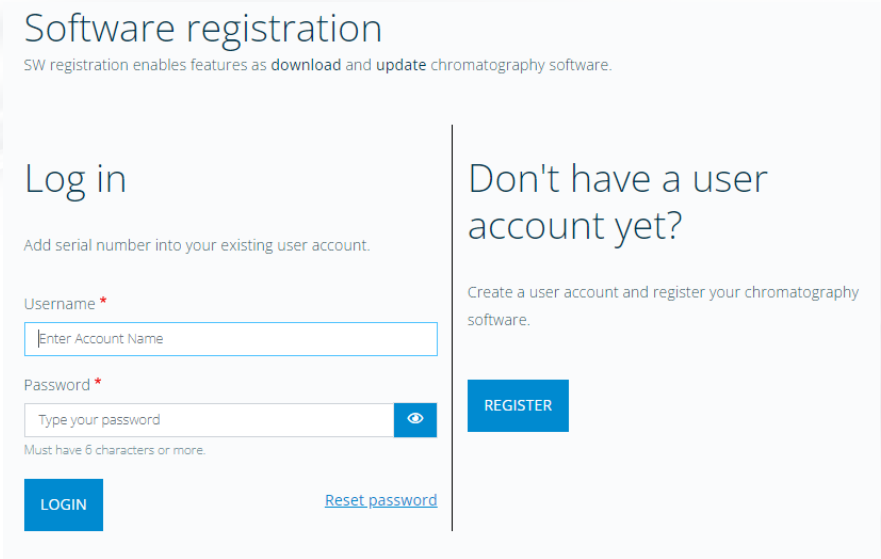
SYMMETRICAL CONNECTION

- Shielding cable (DETx Signal cable) must always be connected

FIRST START - REGISTRATION

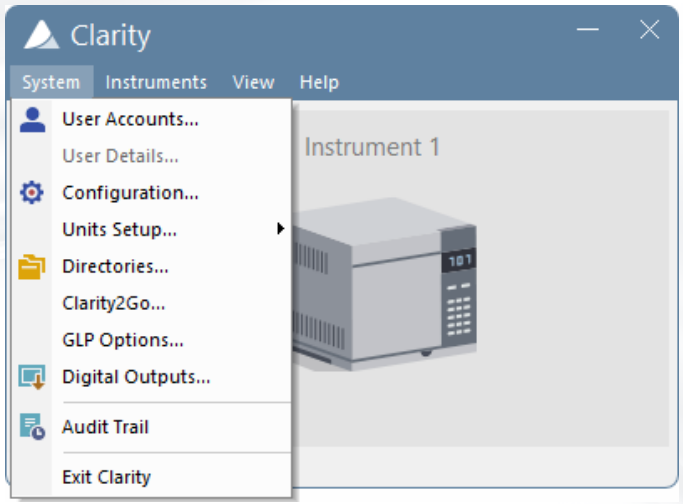
- Appears after the very first start
- Required for updates/upgrades and support
- Can be done later on the DataApex website



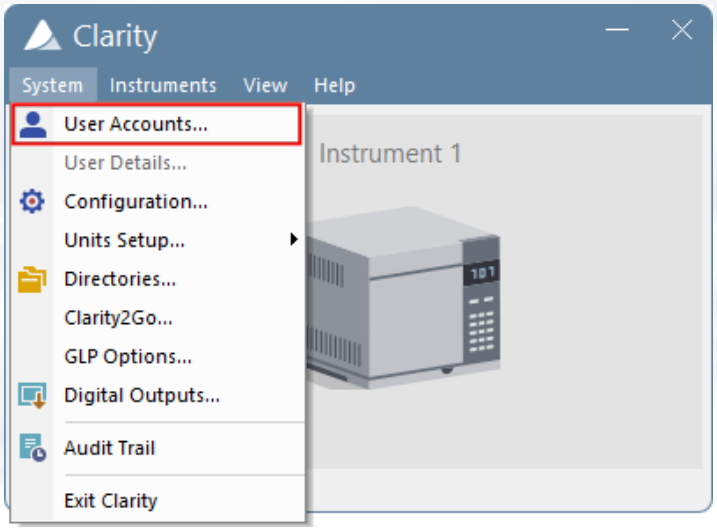


GENERAL SETTINGS

- Valid for the entire station
  - User Accounts
  - Configuration (& Units Setup)
  - Directories
  - GLP Options
  - Digital Outputs

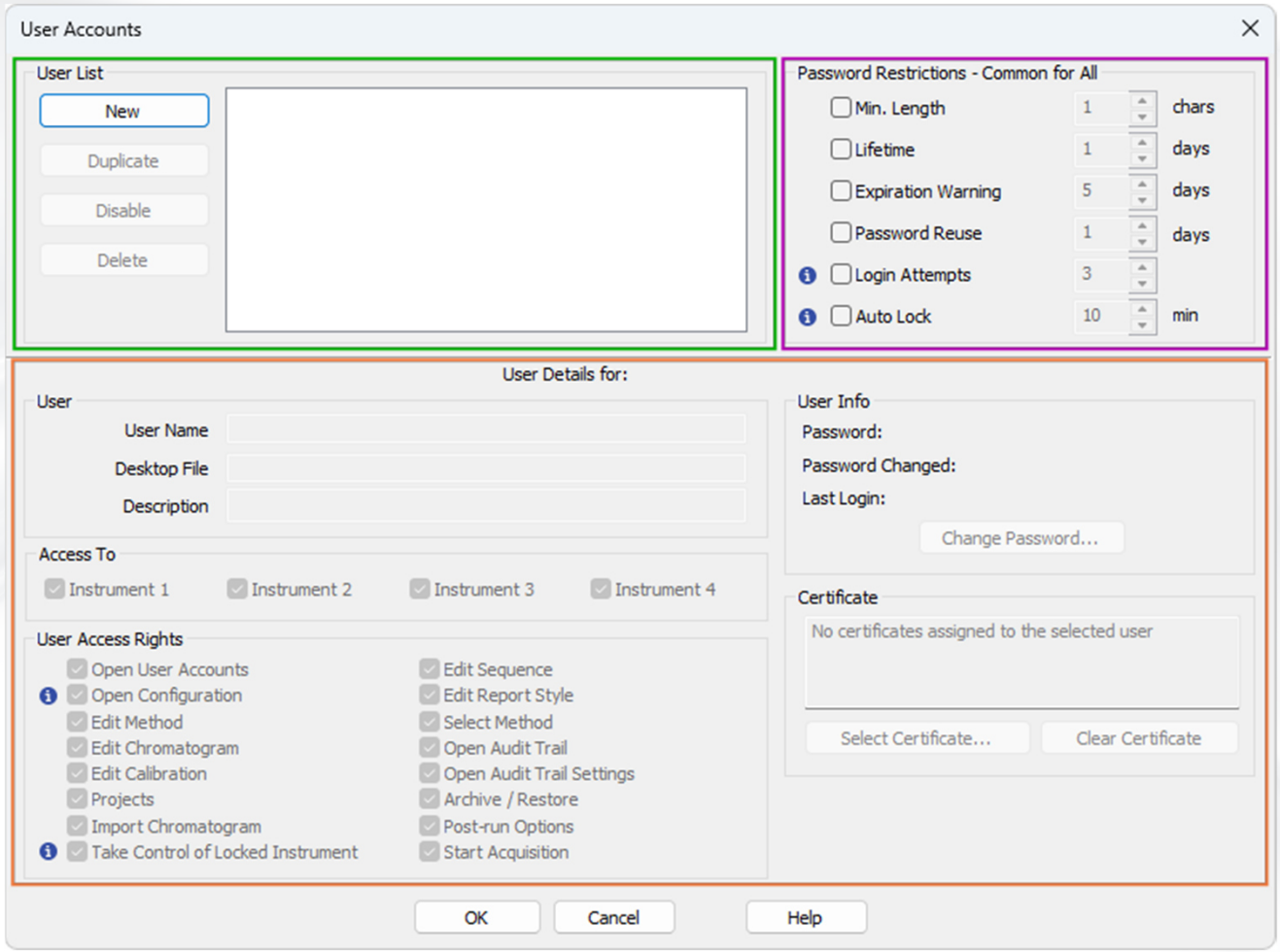


USER ACCOUNTS

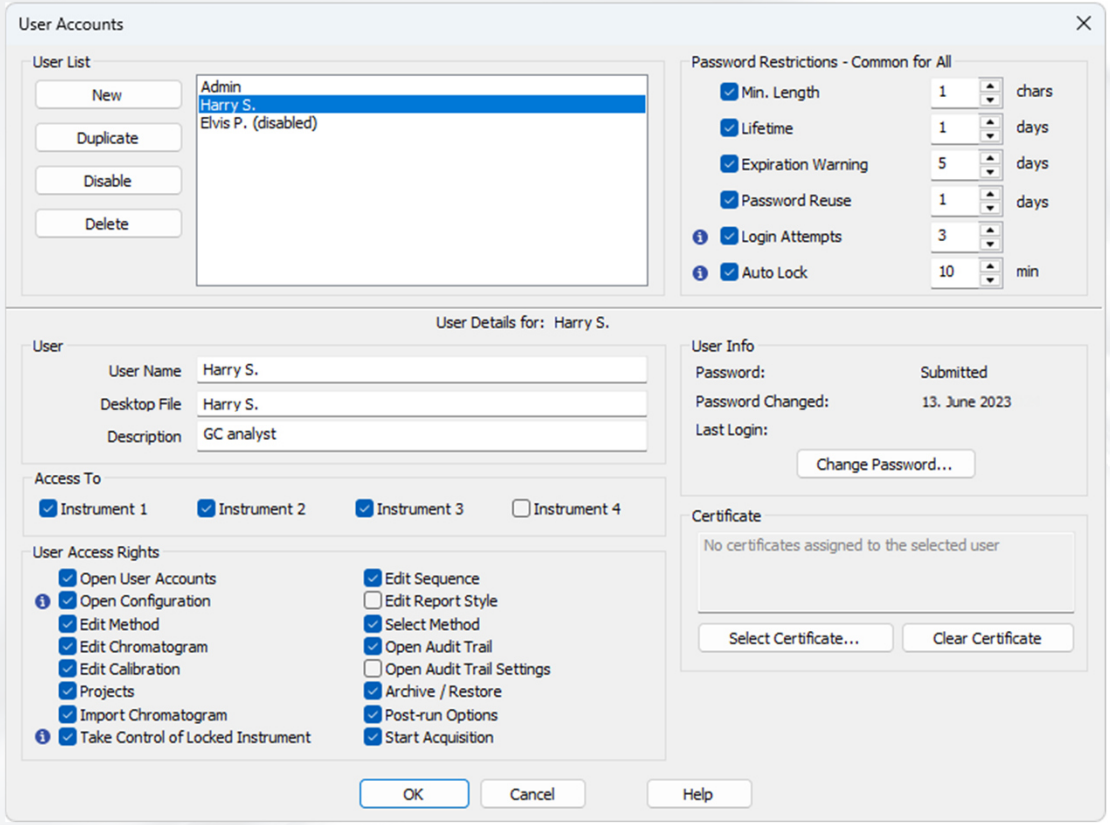


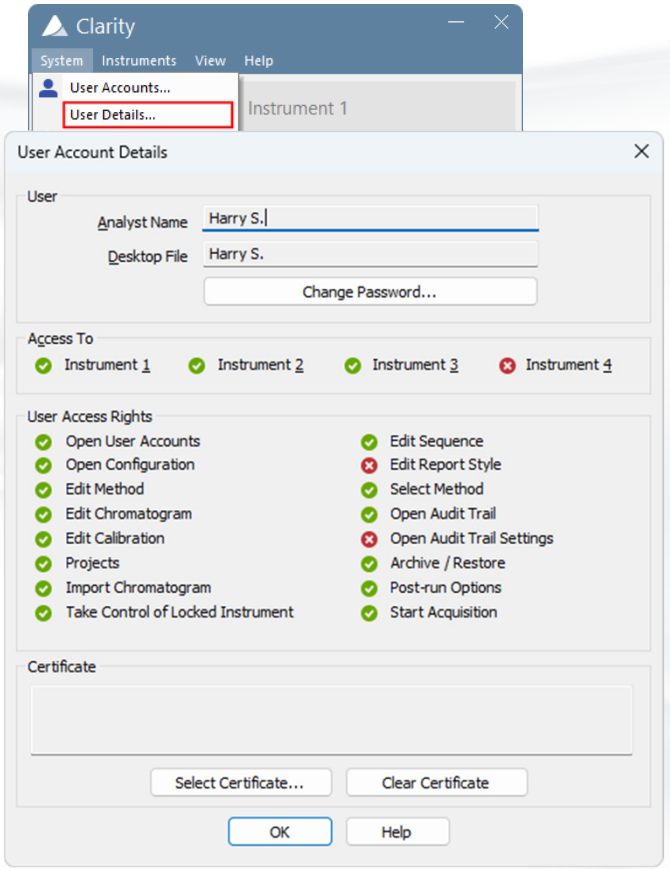
USER ACCOUNTS

- Administration of user accounts
- General settings of password rules
- Setting of individual user privilages

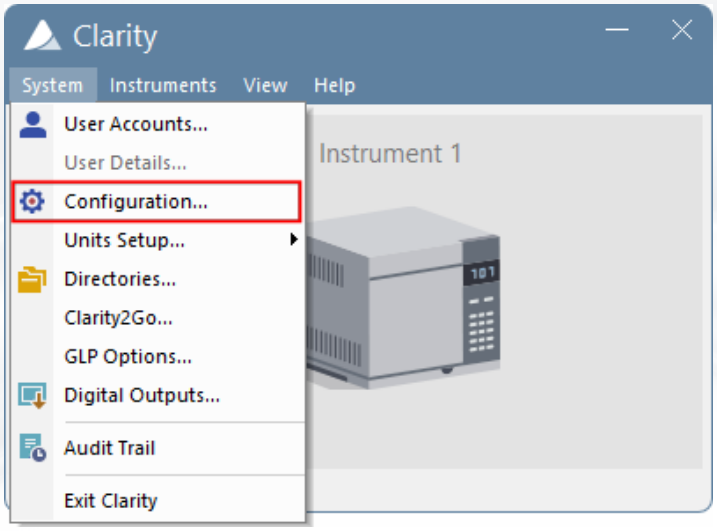


USER ACCOUNTS



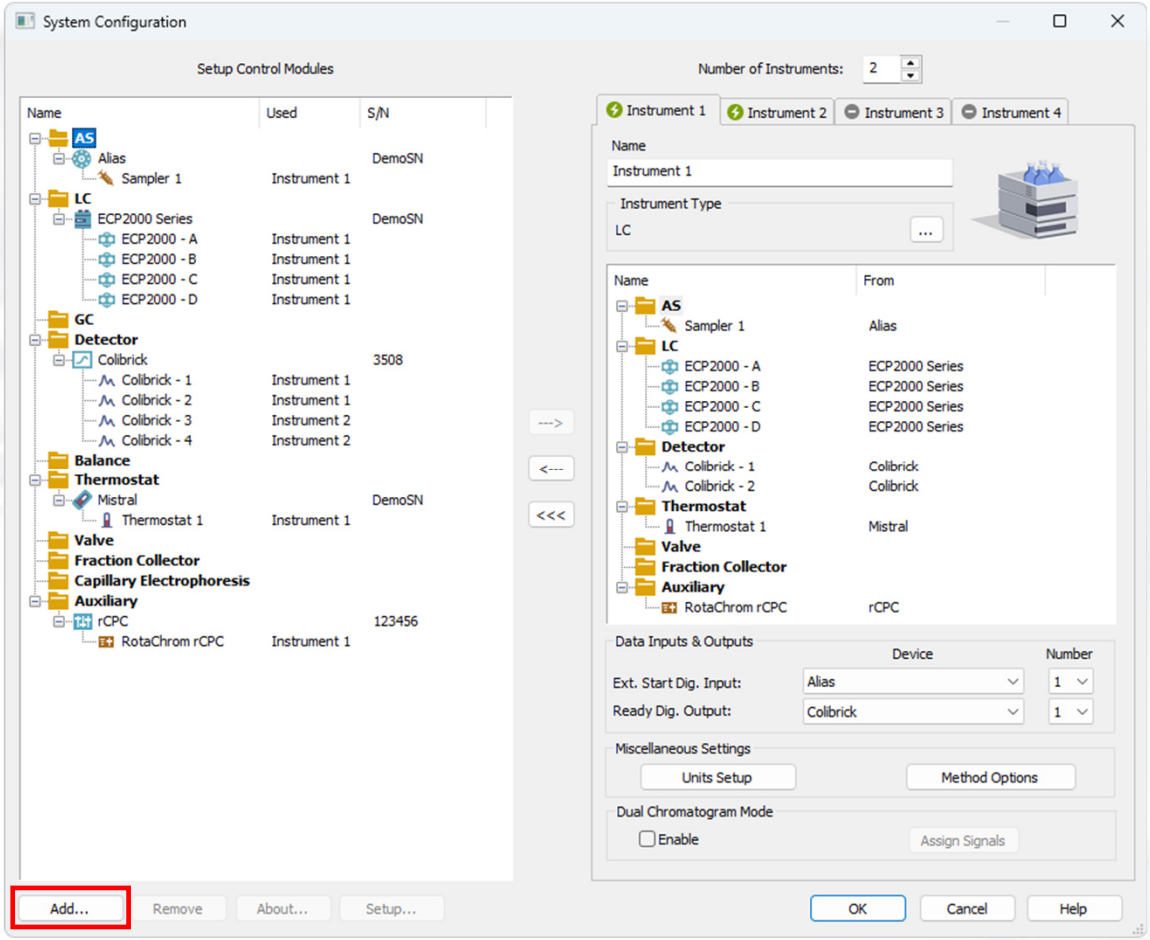


SYSTEM CONFIGURATION



SYSTEM CONFIGURATION

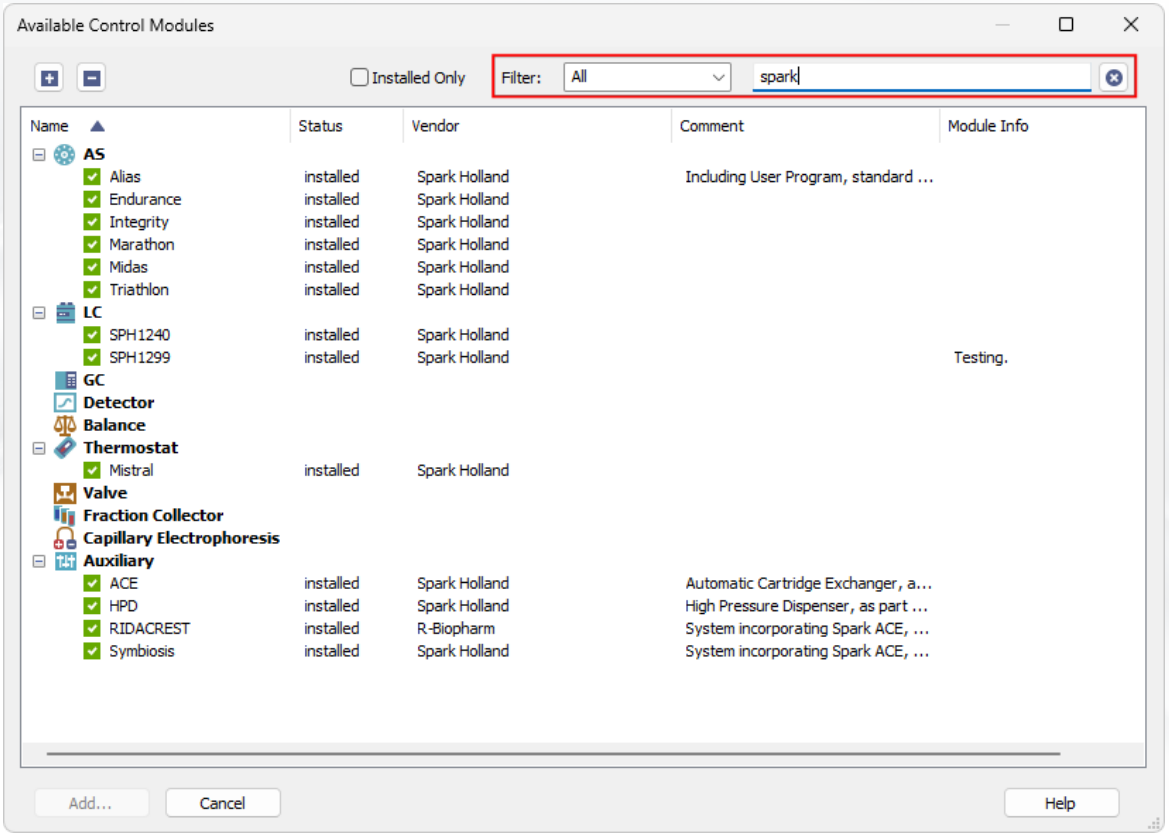
- Link between HW and Clarity
- Left side:
  - List of necessary control modules
  - Overview of allocation to Instruments
- Right side:
  - Instrument Type
  - Control modules "on" Instrument
  - Synchronization of HW with Clarity



SYSTEM CONFIGURATION

AVAILABLE CONTROL MODULES

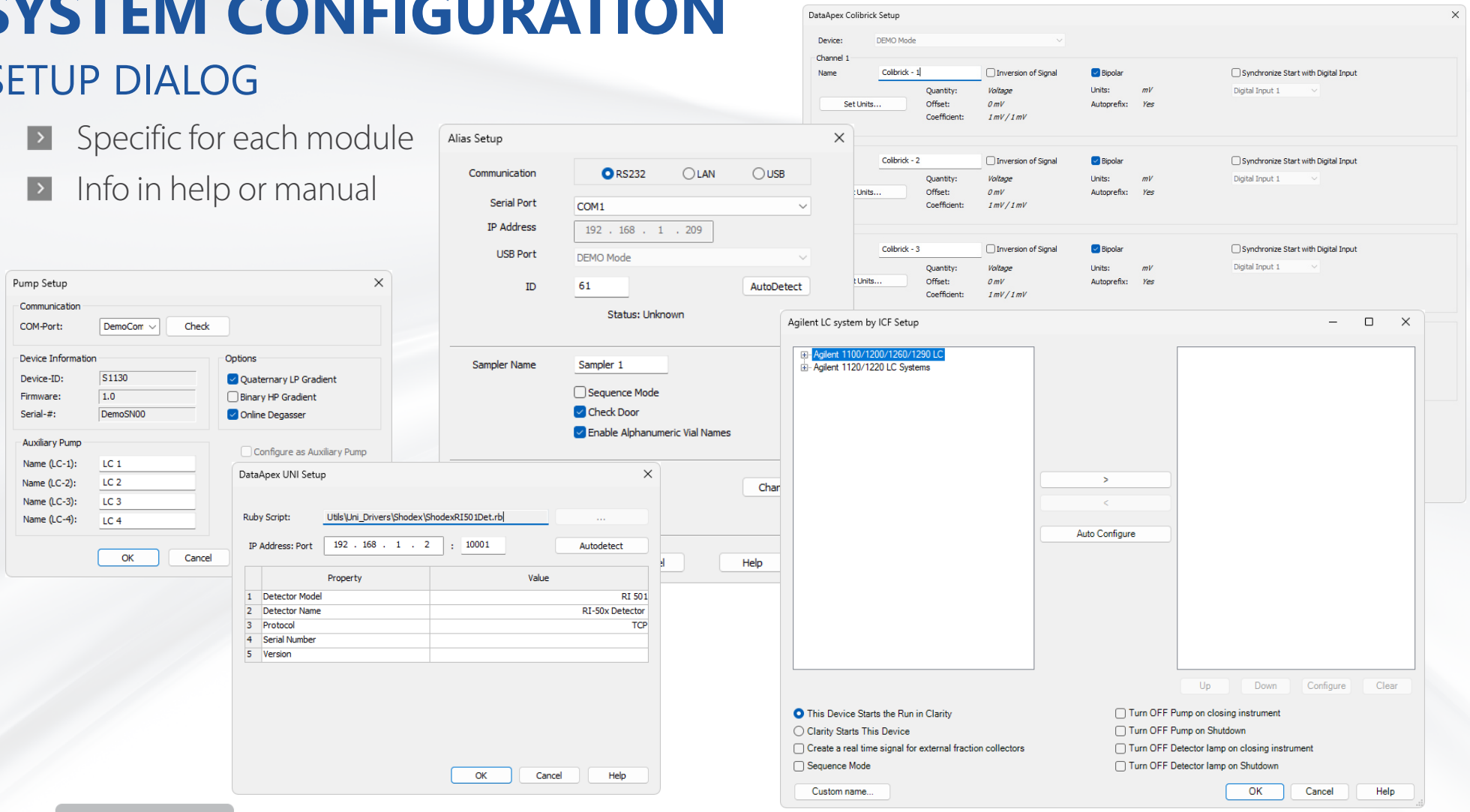
- List of all available control modules
- Search tool with filters



SYSTEM CONFIGURATION

SETUP DIALOG

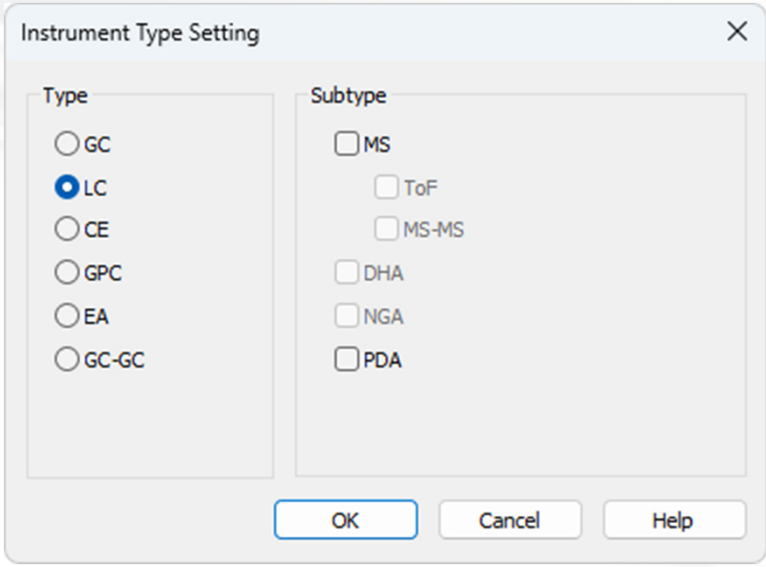
- Specific for each module
- Info in help or manual



SYSTEM CONFIGURATION

INSTRUMENT TYPE

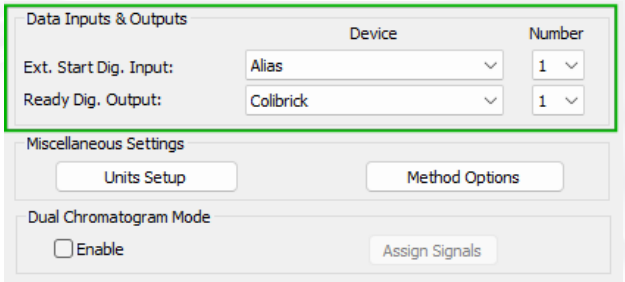
- Type enabled based on the User Code used
- LC and GC by default
- Switching ON the Extension



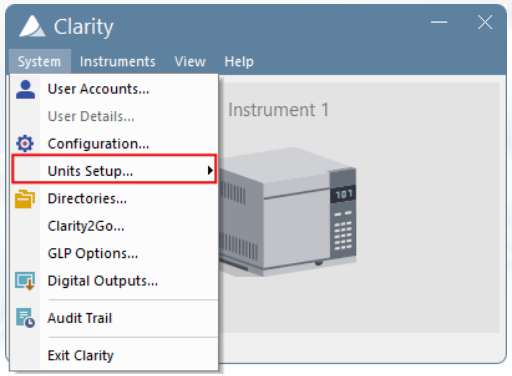
SYSTEM CONFIGURATION

DATA INPUTS & OUTPUTS

- Synchronization of HW on Instrument with Clarity
- Start Input – defines device that triggers analysis start
- Ready Output – defines device that sets ready for next analysis (significant for Sequence)

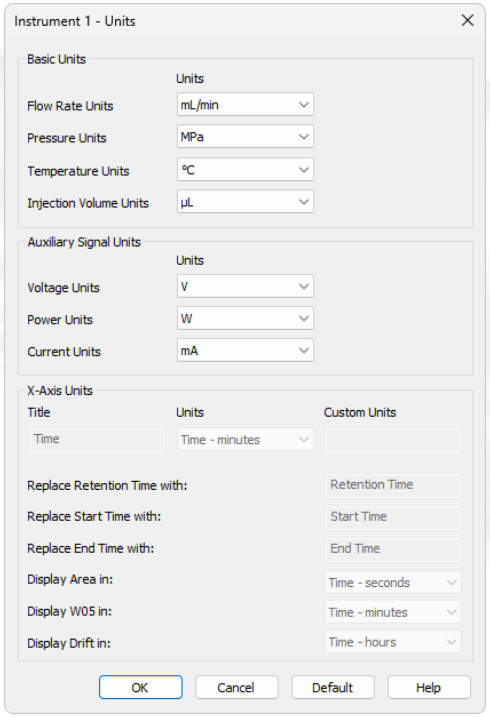


UNITS SETUP

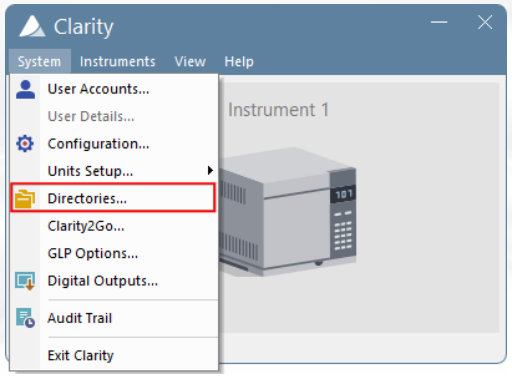

Clarity
System
Instruments
View
Help
User Accounts...
User Details...
Configuration...
Units Setup...
Directories...
Clarity2Go...
GLP Options...
Digital Outputs...
Audit Trail
Exit Clarity
Instrument 1

UNITS SETUP

- Setting of used units
- Set for each instrument separately
- Basic – Flow, Pressure...
- Auxiliary Signals – Voltage, Current...
- X-Axis – minutes, seconds...

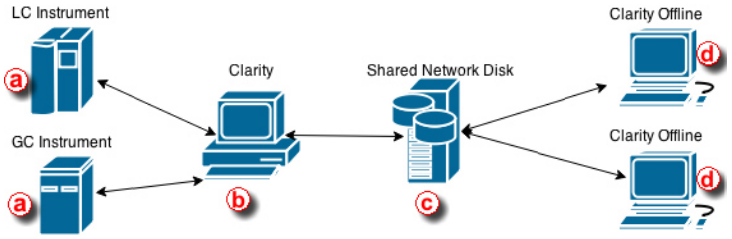


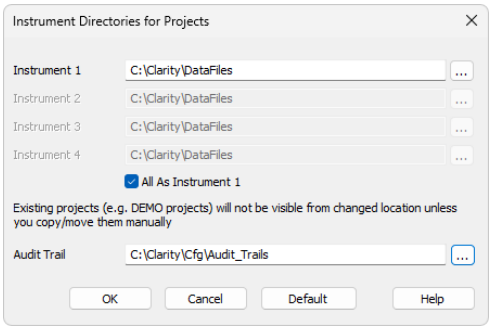
DIRECTORIES



DIRECTORIES

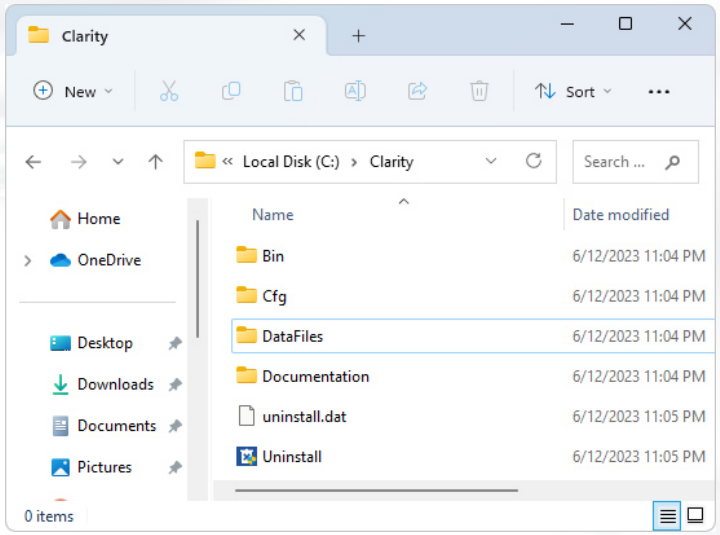
- Data and Audit Trail location
- Directory = Where Clarity searches for Projects
- Tool for networked use of Clarity with Clarity Offline





INSTALLATION FOLDER

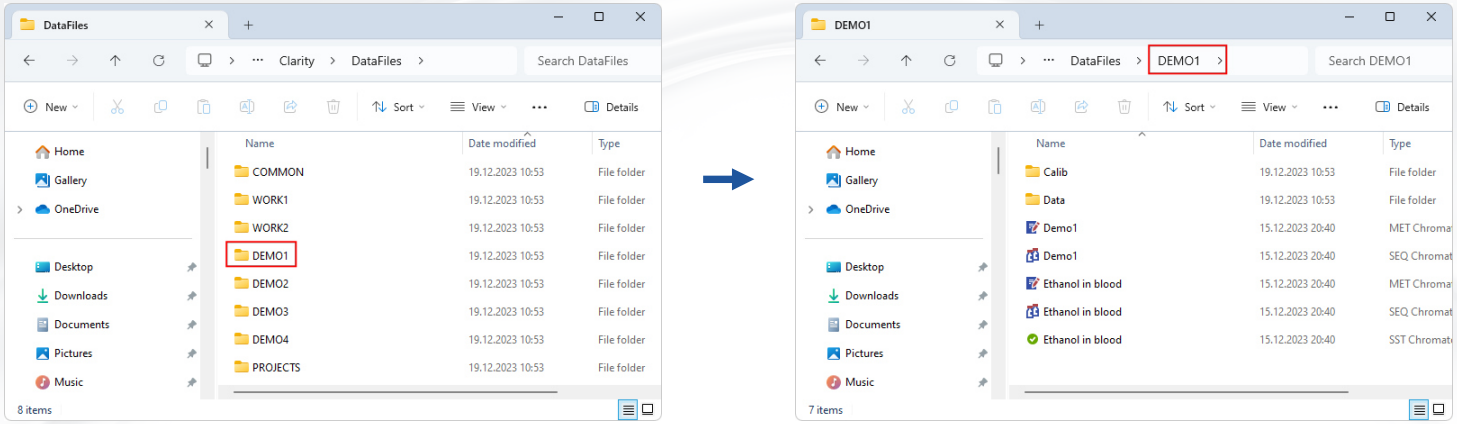
- Bin – binary files = the software itself, IQ, OQ
- Cfg – configuration of the software
- DataFiles – the chromatographic data
- Documentation – Manuals, Datasheets



INSTALLATION FOLDER

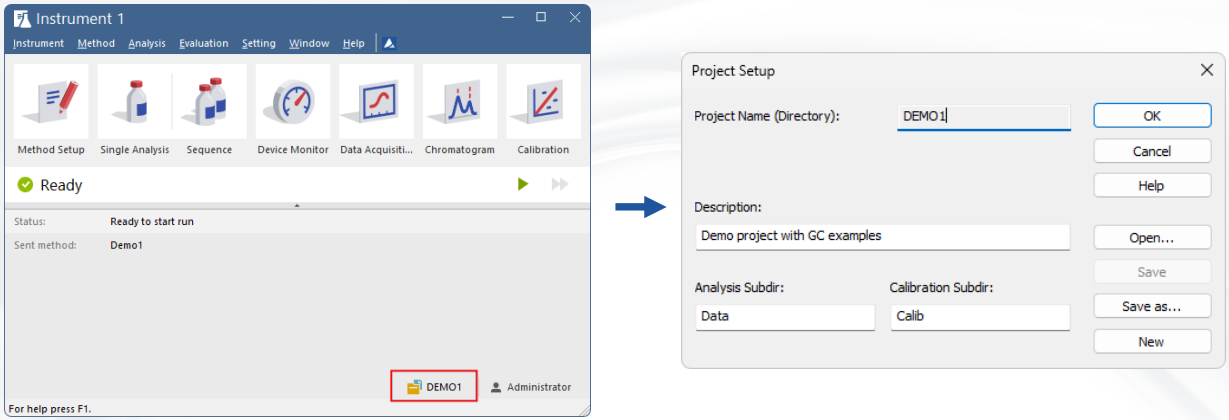
DATAFILES

- "Project_name" folder – methods (*.met), seqeunces (*.seq)
  - Calib subfolder – calibrations (*.cal), chromatograms of standards (*.prm)
  - Data subfolder – sample chromatograms (*.prm)
- Common – shared files = report styles, templates, etc.
- Projects – individual project (*.prj) files



PROJECT SETUP

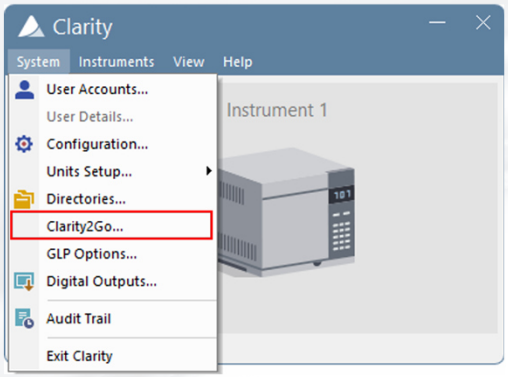
- Accessible from Instrument
- Administration of projects (opening, creation of new ones...)

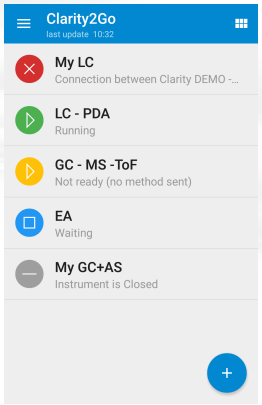


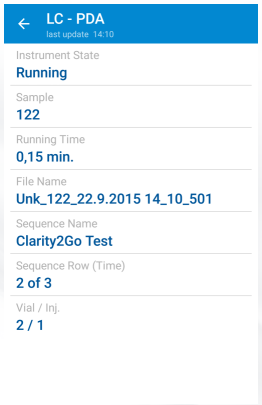
Data and Calib folders of given project can be merged together in this dialog.

CLARITY2GO

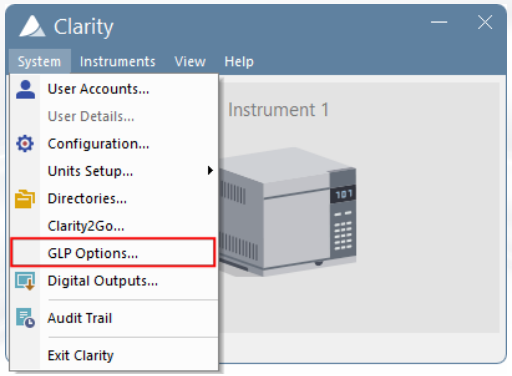
- Analysis monitoring from your smartphone or tablet
- Available for Android and iOS







GLP OPTIONS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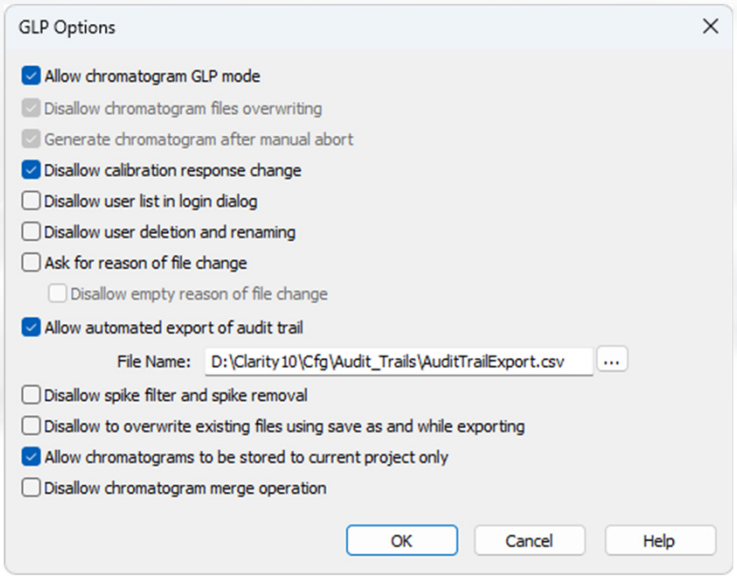
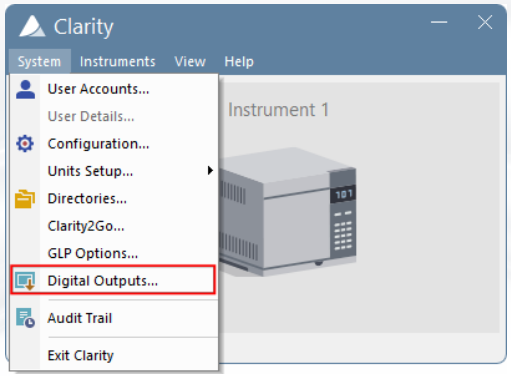
GLP OPTIONS

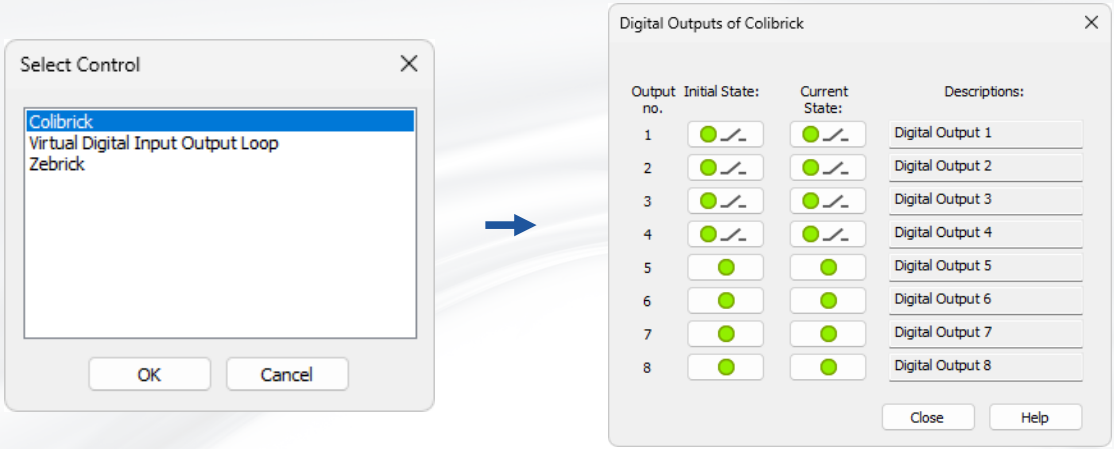
- Necessary for work in a regulated environment



DIGITAL OUTPUTS

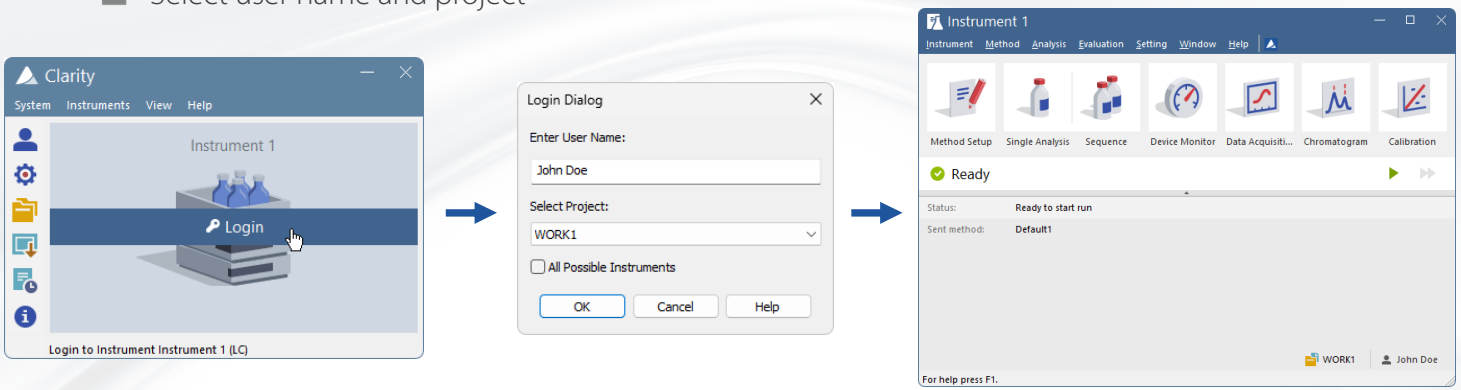


DIGITAL OUTPUTS



FIRST START OF INSTRUMENT

- Instrument window = center of analysis in Clarity
  - Access to other windows + status information
- Setup Configuration and other options as needed
- Click Login
- Select user name and project



23.0331

Clarity™

ADVANCED CHROMATOGRAPHY SOFTWARE

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THANK YOU FOR YOUR ATTENTION