Clarity

Launch Manager

ENG

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Contents

To facilitate the orientation in the **Launch Manager** manual and **Clarity** chromatography station, different fonts are used throughout the manual. Meanings of these fonts are:

Instrument (blue text) marks the name of the window, to which the text refers.

Open File (italics) describes the commands and names of fields in **Clarity**, parameters that can be entered into them or a window or dialog name (when you already are in the topic describing the window).

WORK1 (capitals) indicates the name of the file and/or directory.

ACTIVE (capital italics) marks the state of the station or its part.

The bold text is sometimes also used for important parts of the text and the name of the **Clarity** station. Moreover, there are text sections written in format other than normal text. These sections are formatted as follows:

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Note: Notifies the reader of possibly interesting information.

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Caution: Warns the user of possibly dangerous or very important information.

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❚ **Marks the problem statement or trouble question.**

Description: Presents any closer information on the problem, describes its causes etc.

Solution: Marks the response to the question, presents a procedure how to remove it.

1 Launch Manager

This text describes the use of the **Launch Manager** included in the **Clarity** Software ver. **2.8 and later**.
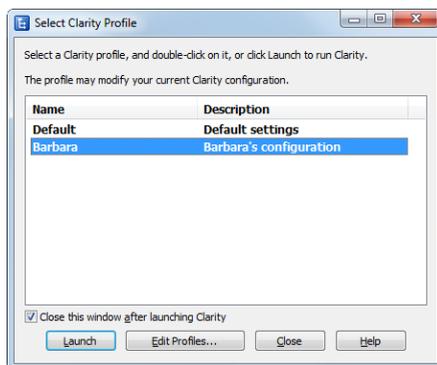

Fig 1: Launch Manager

The **Launch Manager** enables you to start the **Clarity** Chromatography Station in variable configurations including predefined instruments and its projects, methods or sequences. If you don't need to use more than four instruments simultaneously, but you need more then four instruments prepared for different methods or users, then this utility is right for you.

You can find examples of how to use this utility in the chapter **"Examples of using the Launch Manager"** on pg **8**.

2 Using the Launch Manager

Start the **Launch Manager** by clicking on its shortcut in the Windows *Start - Programs - Clarity* menu (default installation). Depending on the Clarity version, you can have some profiles predefined in the Launcher. If so, double-clicking on the *Profile Name* or the *OK* button will start the **Clarity** Chromatography Station with the predefined configuration.
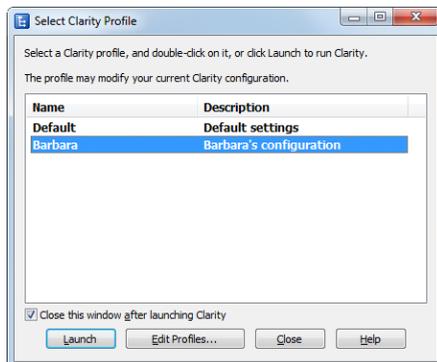
2.1 Select Clarity Profile

Fig 2: Select Clarity Profile

Select Clarity Profile is the initial window of the **Launch Manager**. Depending on your **Clarity** version, you can have variable set of profiles predefined. Select one of the profiles and click the *Launch* button to start the **Clarity** Station.

Close this window after launching Clarity
If checked, the **Launch Manager** closes after you launch the **Clarity**.

Launch
Starts the **Clarity** Station with predefined configuration profile.

Edit profiles…
Opens the Edit Profiles dialog where you can edit existing profiles or create new ones.

Close
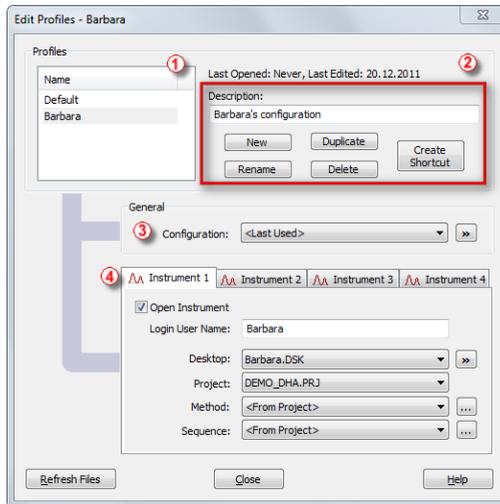Closes the **Launch Manager** without any action.

2.2 Edit Profiles

Fig 3: Editing the profiles

Profiles ①
List of created profiles.

Last Opened
Displays the last date of start of **Clarity** using the **Launch Manager**.

Last Edited
Displays the last date of edit of the profile in the **Launch Manager**.

Description ②
Sets the description of profile it will be visible in the Select Clarity Profile dialog.

New
Displays the Enter New Profile Name dialog, in which you can type the profile name of the created profile.

Duplicate
Displays the Enter New Profile Name dialog, in which you can type the new name of the duplicated profile.

Delete
Deletes the selected profile.

Create Shortcut
Displays the Save As dialog in which you can select the destination of the created shortcut. The shortcut enables you to start the **Clarity** with selected profile without opening the **Launch Manager**.

Configuration ③

Sets, which **Clarity** Configuration (the .CFG file) is loaded after start of the **Clarity** . The list of configuration files is retrieved from the **Clarity** installation directory (C:\CLARITY by default).

See the chapter **"Clarity configuration files"** on pg **10** . for detailed specification which **Clarity's** files is **Launch Manager** using.

<Last Used>

Set this option, if you want to start the **Clarity** with the last configuration it was opened.

This option is useful in combination with the *Open Instrument* option when both are set. Then you can start a **Clarity** profile from **Launch Manager** without closing the **Clarity**. Running **Clarity** instance will be preserved and Instruments which are set as open in the profile will be opened with setting defined in the **Launch Manager**.

⠶ button

Displays the popup menu for operations with the configuration files. You can also access this popup menu by clicking on the *Configuration* combo box by right button of the mouse.

Add

Displays the Open dialog in which you can select the appropriate **Clarity** Configuration (the .CFG file) you want to load after start of the **Clarity**.

Duplicate

Displays the New Configuration Name dialog in which you can type the name of the duplicated configuration.

Rename

Displays the New Configuration Name dialog in which you can type the new name of the selected configuration.

Remove

Removes the configuration file from disk. It is not possible to remove the default CLARITY.CFG and the BACKUP.CFG file.

Details

Displays the Configuration Details dialog in which you can see the actual configuration of the **Clarity** Instruments saved in the .CFGfile.

Instrument 1 (..4) ④

Enables you to set parameters and behavior of each instrument in the selected configuration.

Open Instrument

If checked, the **Instrument** will be opened after start of the **Clarity**. This option has special feature if used in combination with the *<Last Used>* option in the *Configuration* combo box. See the description of this option above or the chapter **"Examples of using the Launch Manager"** on pg **8**.

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Caution: If you close the **Instrument** opened with a profile from **Launch Manager** and then you open it again using the respective command or button in the **Clarity**, then the **Instrument** will not contain settings you predefined in the **Launch Manager**.

Login User Name

Sets the predefined Login Name for opening the **Instrument**.

Desktop

Select the desktop you want to load on the **Instrument**. List of Desktop files (.DSK files) is retrieved from the Clarity installation directory (C:\CLARITY by default).

<From .PDW or Clarity.DSK>

After opening the Instruments, loads the Desktop Configuration from the .PDW or CLARITY.DSK file.

» button

Displays the popup menu for operations with the Desktop files. You can also access this popup menu also by clicking on the *Desktop* combo box by right button of the mouse.

Add

Displays the Open dialog in which you can select the Desktop file you want to be opened on the **Instrument**.

Duplicate

Displays the New Desktop Name dialog in which you can type the new name of the duplicated Desktop file.

Rename

Displays the New Desktop Name dialog in which you can type the new Desktop name.

Delete

Removes the Desktop file from disk.

Project
Sets the project on the opened instrument.

<From Desktop>
Sets the Project on the Instrument whxich is saved in the selected desktop above. If there is not selected the *<From .PDW or Clarity.DSK>* option, then the desktop name is displayed.

Method
Sets the **Method** on the opened **Instrument**. List of Method files (.MET) is retrieved from the project folders in the **Clarity** installation directory. By using the ⊡ button you can specify the custom location of the file.

<From Desktop>
Sets the Project on the Instrument which is saved in the selected desktop above.

Sequence
Sets the **Sequence** on the opened **Instrument**. List of Sequence files (.MET) is retrieved from the project folders in the **Clarity** installation directory. By using the ⊡ button you can specify the custom location of the file.

<From Desktop>
Sets the Sequence loaded on the Instrument which is saved in the selected desktop above.

Refresh Files
Refreshes the list of files displayed in the Edit Profiles dialog.

2.2.1 Configuration Details

This dialog displays the detailed information about the configuration of the Instruments in the **Clarity** Configuration.
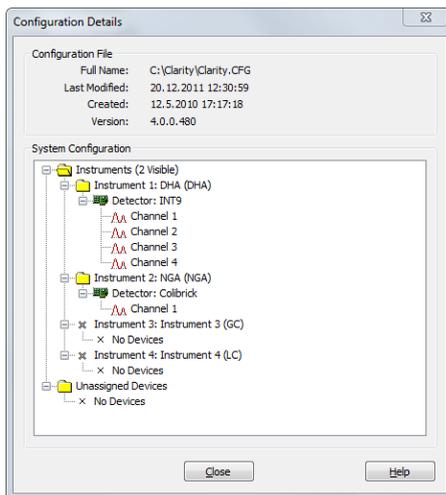

Fig 4: Configuration Details dialog

Configuration File

Full Name
Full path to the configuration file.

Last Modified
Date of last modification of the configuration.

Created
Date of creation of the configuration file.

Version
Information about the **Clarity** version.

System Configuration
List the assigned Hardware and Control Modules to the **Instruments 1 (..4)**.

3 Examples of using the Launch Manager

This chapter will describes some cases in which the **Launch Manager** can simplify your work with the **Clarity**.

� **HPLC with various detectors or pumps combinations**

Description: In some cases users need to modify the HPLC configuration for different types of analysis. For example they intend to use a detector for one type of analysis and another type of detector for different set of analysis. The problem is, that the same instrument, for example a pump, cannot be configured on two **Clarity Instruments**.

Solution: In **Clarity Configuration**, set up the first combination of the HPLC. Close the **Clarity** and start the **Launch Manager**. In the Edit Profile dialog, duplicate the *Default* profile and name it, for example, *HPLC 1*. In the duplicated profile, duplicate the Clarity configuration file CLARITY.CFG and set which **Instrument** to open after start of **Clarity**. Now duplicate the *Profile* the *Configuration* again to prepare it for the second configuration. Close Edit Profiles dialog and launch **Clarity** with *HPLC 2* profile. Adjust the HPLC instruments to the second configuration you intend to use in this profile and set it also in the **Clarity Configuration**. From now on you can start both of HPLC configurations from **Launch Manager**.

Note: If you start **Clarity** from **Launch Manager** with a profile which has different configuration file then the current running instance of **Clarity**, then the **Clarity** will be restarted to apply the new configuration.

▌ **Using different Methods or Sequences on the same Instrument**

Description: Applicable if users are often using multiple methods on the same **Clarity Instrument** and they require different settings of calculations, user columns or result table amounts.

Solution: You can simply create two profiles in **Launch Manager** - Edit Profiles dialog. In both profiles, set the *<Last Used>* option for *Configuration*. Then check the *Open Instrument* checkbox in the respective **Instrument 1** (..**4**). Predefine the Login User Name and set *Desktop*, *Project*, *Method* or *Sequence*. After that, if you start **Clarity** with the *Profile* from **Launch Manager**, the respective **Instrument** will be automatically opened using preloaded Instrument settings.

Note: In this example, **Clarity** will not be restarted, because you use the same **Clarity Configuration** file. Just the respective **Instrument** will be reopened.

Caution: If you close the **Instrument** opened with a profile from **Launch Manager** and then you open it again using the respective command or button in the **Clarity**, then the **Instrument** will not contain settings you predefined in the **Launch Manager**.

4 Clarity configuration files

Here you can find the list of files in which **Clarity** stores various settings and you can work with this files in the **Launch Manager**.

<clarity>.cfg

This file stores besides the hardware configuration information also about the last user logged to a specific instrument and the custom instrument pictures used in the main **Clarity** window.

<username>.dsk

Contains the information about the last used project *.PRJ and the individual user preferences (windows configurations and layout, tables and graph preferences, user columns, etc.). The CLARITY.DSK file from the PGM subfolder on the installation CD is copied during installation and used as a template for the *.DSK files of newly created users.

<project>.prj

This file stores the information about the project subdirectories (the project directory has the same name as the project's *.PRJ file) and the last used method, sequence, SST method and chromatograms.

<method>.met

This file contains the Method, Calculations, Integration, etc. set on the **Clarity Instrument**.

<sequence>.seq

Contains the sequence table and its settings.