xCELLigence® RTCA Software 2.1.0 Release Notes

(September 8th, 2017)

Several new features, outlined below are implemented in RTCA software 2.1.0. The revised version of the Software Manual reflecting these changes is included in the software download package. You may find the Software Manual under OS(C:) >Program Files (x86) > RTCA > RTCA Software 2.1 > Document. You may also contact softwaresupport@aceabio.com for an electronic (PDF) version of the Software Manual.

Note: RTCA software 2.1.0 is backward compatible. RTCA software 2.1.0 can open experiment files (.plt) generated by the earlier version of RTCA software. However, files generated or modified by RTCA software 2.1.0 may not be open properly by earlier versions of the RTCA software.*

1. Windows 10 compatibility

RTCA Software 2.1.0 is now fully compatible with ***Windows 10***, as well as Windows XP/Vista/7.

With earlier versions of RTCA software, "copy/paste chart" function was not working properly under Windows 10 operating system. RTCA Software 2.1.0 has resolved this compatibility issue.

2. Web-based software download & license registration process

The RTCA Software is now distributed via web download instead of an auto-run installation CD. The serial # of the xCELLigence RTCA station is used to log in and download the RTCA software from ACEA's website (https://www.aceabio.com/software/rtca). *Please check the RTCA Software Manual (page 16-19) for a step-by-step instruction on the software installation.*

The RTCA software is available for a 30-day free trial. Registration will be needed to use the software after the trial expiration. RTCA Software License Key comes with the RTCA SP, MP or DP instruments, and can also be purchased separately from ACEA. The RTCA software supports license transfers from one computer to another. Each license may be transferred up to 5 times. *Please check the RTCA Software Manual (page 19-20) for a step-by-step instruction on RTCA software license registration and transfer.*

3. Improved Software functions

1) Enhanced read/write functions

With the earlier versions of the RTCA software, .plt files are only readable when opened from network drive or removable drive (e.g., USB drive). This limitation is removed in RTCA Software 2.1.0.

Note: when a .plt file saved on the network drive is opened by multiple users, the person who opens the file first will have the edit right, the others can only read/view the .plt file. In addition, when a .plt file is opened from the network, executable functions (Start/Stop/Pause/Resume) are disabled.

2) Safeguard function

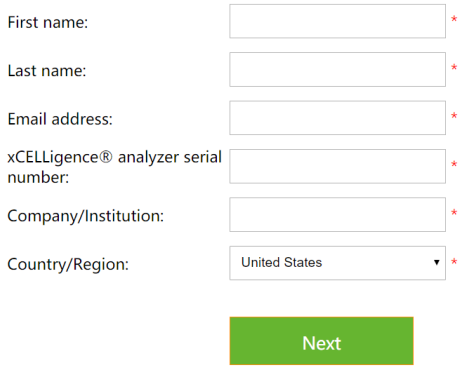
The "Release" menu item is now disabled when an experiment is running. This prevents user errors (accidentally shut down of any on-going experiment).

Appendix A: Install RTCA Software (page 16-20 of the RTCA Software Manual)

A.1 Install RTCA Software

A.1.1 Software download

1. Make sure the computer with which you want to register RTCA is connected to the Internet. Go to https://www.aceabio.com/software/rtca in a web browser.
2. Copy the serial # of the RTCA station, then use it to log in and download the software.



3. Click the *Download RTCA Software* tab to download the RTCA software.



A.1.2 Software Installation

1. Unzip the installation package.
   Run Setup.exe and follow the instructions to install the RTCA Software.
   Select the installer language on the menu that appears:



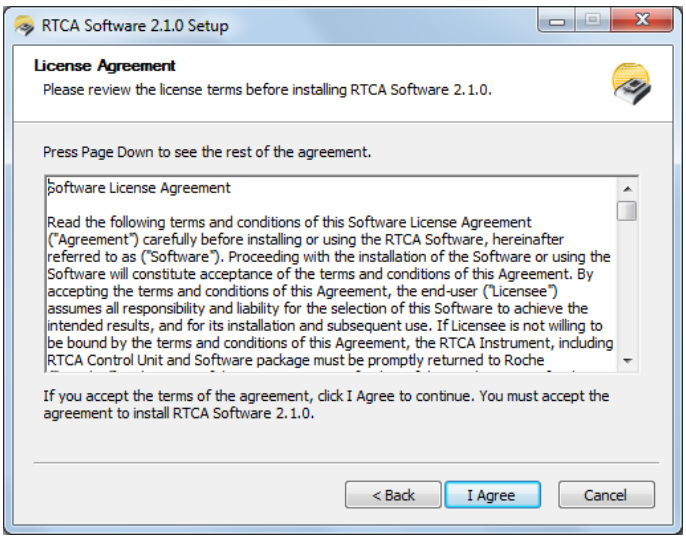
   Click *OK* to continue.

2 Start the RTCA Software Setup wizard. This page will appear automatically after step 1:



Click *Next* to go to next step.

3 Read the terms of the license agreement carefully. If you agree, click on *I Agree* and go to the next page to select the installation folder.



4 Select Installation Folder.

On this page, the user can browse-select or type in the name of a folder (location) where the RTCA Software will be installed.

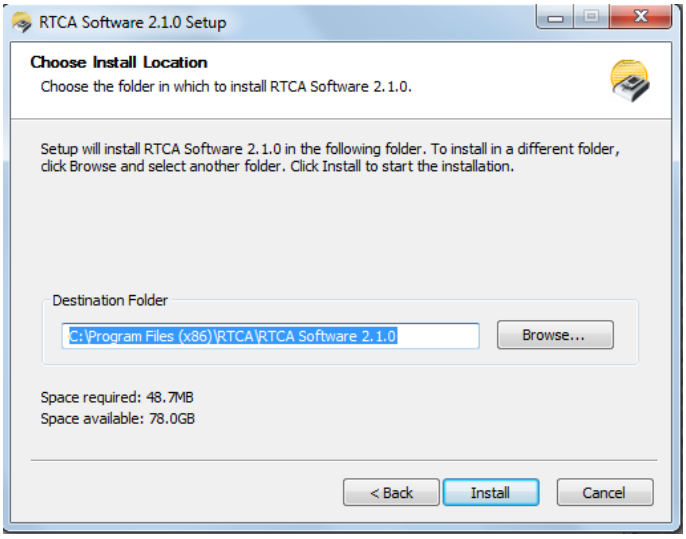
- To browse-select a folder: Click Browse… and choose an existing folder
- To type in folder name: click the text box under Destination Folder

If the folder does not exist, the installation program will create the new folder.

The folder name should not include "?", "-" or "*"

The default installation folder is C:\Program Files (x86)\RTCA\RTCA Software 2.1.0.

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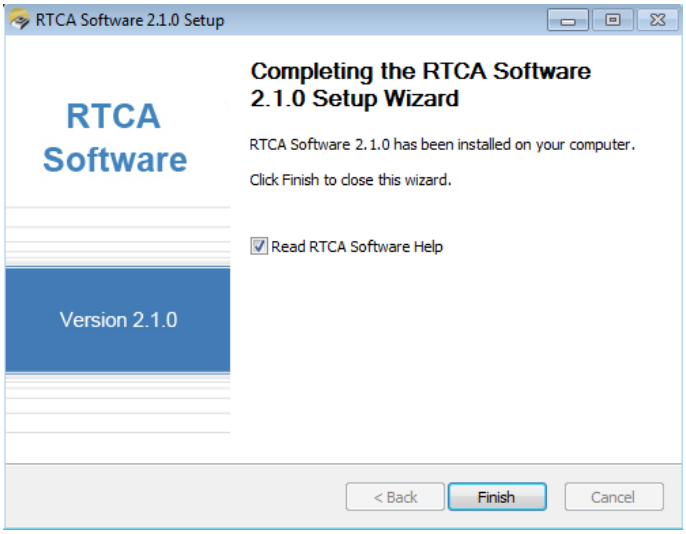
After choosing the installation folder, click *Install* to confirm installation.

5 If the computer has not previously installed Microsoft Office 2003 Web Components, a page with a license agreement will appear automatically. Otherwise go to the next step.

Check *I accept the terms in the License Agreement* and click *Install* to install Microsoft Office 2003 Web Components automatically.

6 **Finish the installation**

Click *Finish* to complete the installation, and RTCA Software Help will be shown. To skip showing the RTCA Software Help, uncheck *Read RTCA Software Help*.



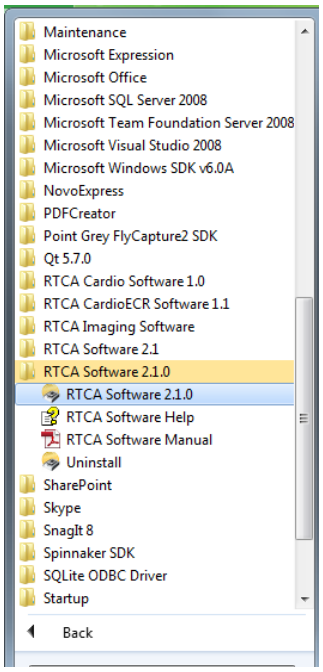
A.1.3 Launch RTCA Software

Two short-cuts for launching RTCA Software are available after installation:

- Computer Desktop



- Computer Program Menu



A.2 RTCA License

The RTCA software is available for a 30-day free trial. Registration will be needed to use the software after the trial expiration. RTCA Software License Key comes with the RTCA SP, MP or DP instrument, and can also be purchased separately from ACEA.

A.2.1 RTCA Registration

The RTCA Registration window will automatically pop up when starting the RTCA software if the software is not registered yet. You can also click *Help* → *About* → *Licensing* to open the *RTCA Registration* window. There are two ways to register the software.

- If the computer is connected to the Internet, enter a valid ACEA Biosciences issued license key and your company/institution email address, then click the *Register* button to register the software.



- If the computer is not connected to the Internet, click the *Offline Registration* button to switch to offline registration mode. Write down the *Machine Code* displayed in the window, go to another computer that is connected to the Internet and open the *Get Registration Code* web page (https://www.aceabio.com/software/rtca). On the web page, enter the *Machine Code* into the specified textbox, type a valid ACEA Biosciences issued license key and your company/institution email address, then, click *Get Registration Code*. Write down the *Registration Code*, enter it to the *RTCA Registration* window, and click *Register* button to register the RTCA software.

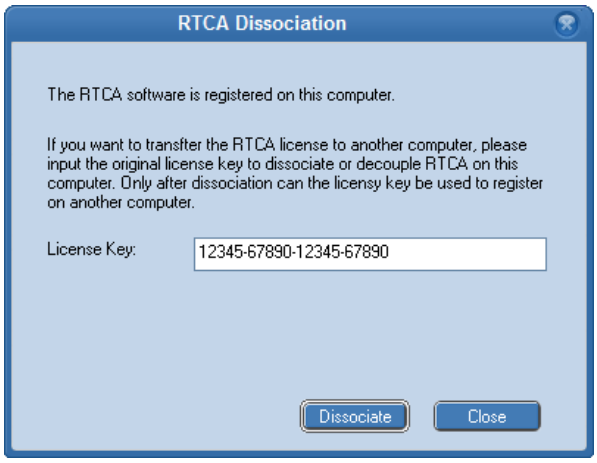


A valid email address of your company/institution must be provided according to the license agreement. Software update information will be sent to the email provided here.

License key is required for RTCA software registration or license transfer. Keep a safe record of license key assigned to each computer or user.

A.2.2 RTCA Dissociation

The RTCA software supports license transfer to another computer. Each license may be transferred up to 5 times. If you want to transfer the RTCA license to another computer, click *Help* → *About* → *Dissociation* to open the *RTCA Dissociation* window.



Enter the original license key in the text box and click the *Dissociate* button to dissociate or decouple the RTCA from this computer. After dissociation, the license key can be used to register the RTCA software on another computer.

Please connect the control unit to the Internet when dissociating the license. Contact ACEA technical support for how to dissociate the license if no connection to internet is available.