Updating Software on EASYnLC 1200 (4.1 to 4.2)

Check the current software version

First, check your current software by clicking on the Thermo logo in the upper left corner of the touchscreen

About Thermo Scientific EASY-n	LC 1200		
Software version:	4.1.5.1		
Software build date:	12-08-2017 10:37		
Database version:	1.03		
Instrument serial no:	LC-030755		
IP address:	172.16.0.104		
Copyright (C) 2005-201	18 Thermo Fisher Scientific		
Thermo Fisher Scientific Dornierstr. 4 D-82110 Germering Germany			
	Close		

Download the latest software

Go to UnityLab Services Knowledge Base: https://kb.unitylabservices.com/?cid=12822&c=13142&cpc=6ITL8W331IHP4be4y374f8RrmM25sBFoAQc



Navigate to Liquid Chromatography and find EASYnLC and download the latest SW version:

Search/Content Browse Categories FAQ			
Browse Categories			
Here you can browse all the articles in the	knowledg	e base. Choose a category in the tree on the left.	
 Chromatography and Mass Spectrometry Chromatography 	Category	VEASY-nLC Search this Category	Search Here Q
GC/GCMS Systems GC/ICMS Systems IC/ICMS Systems IC/ICMS Systems IC/ICMS Systems IC/ICMS Systems IC/ICMS Systems IC/ICMS Systems ICMS ICMS	14 4	Page 1 of 4 🕨 🔰 🧬	Displaying Articles 1 - 10 of 33
■ LC/LCMS Systems	#	Article	Modified
EASY-nLC Miscellaneous HPLC	342843	96 well plate for Easy-nLC Knowledge base Chromatography and Mass Spectrometry Size 2.42 kb Format .html	Dec 31, 2018 11:23 am
MultiPlex LCMS	345368	Connection Guide - EASY-Spray Emitter Knowledge base Chromatography and Mass Spectrometry Size 659.23 kb Format .pdf	Nov 25, 2019 3:01 am
	339830	EASY-nLC 1000 and 1200 Embedded System Software SW 4.1.5 and Documentation Knowledge base Chromatography and Mass Spectrometry Size 127937.42 kb Format .zip	Dec 12, 2017 6:00 am
 B Mass Spectrometry B Sample Prep 	333257	EASY-nLC 1000 Software and Documentation 4.1.4 - May 2017 Knowledge base Chromatography and Mass Spectrometry Size 128438.25 kb Format .zip	May 16, 2017 2:39 am
	322832	EASY-nLC 1000 User Guide Knowledge base Chromatography and Mass Spectrometry Size 1.93 kb Format .html	Oct 15, 2014 6:58 pm
	347953	EASY-nLC 1200 Embedded System Software SW 4.2.0 and Documentation Knowledge base Chromatography and Mass Spectrometry Size 88191.58 kb Format .zip	Jan 8, 2020 7:38 am
	333252	EASY-nLC 1200 Getting Started Guide (Touch-screen application 4.1) Knowledge base Chromatography and Mass Spectrometry Size 8362.92 kb Format .pdf	Dec 19, 2016 5:30 am
	345663	EASY-nLC 1200 Getting Started Guide (Touch-screen application 4.2) Knowledge base Chromatography and Mass Spectrometry Size 6652.46 kb Format .pdf	Dec 30, 2019 1:19 am
	329770	EASY-nLC 1200 Getting Started Guide Touch-screen application version 4.0 Knowledge base Chromatography and Mass Spectrometry Size 11654.21 kb Format .pdf	Oct 20, 2015 4:57 am
	329773	EASY-nLC 1200 Manuals Knowledge base Chromatography and Mass Spectrometry Size 1.5 kb Format .html	Oct 20, 2015 5:45 am

Note: When you click on the software, a popup should open, if not you may have popup blocker on.

After the download is done, extract the zip file and open the folder, you should see two files:

Name	Date modified	Туре	Size	
easy-Ic_4.2.0.1.firmware	2/22/2021 4:23 PM	FIRMWARE File	87,679 KB	
👃 EASY-nLC Embedded System SW 4.2.0 Re	2/22/2021 4:23 PM	Adobe Acrobat D	561 KB	

Copy those two files on a USB stick (Note if the EASY does not recognize the USB stick it may be too big, I used a 32GB and it worked)

Install new software

Insert the USB stick into one of the two USB ports on the backside of the instrument.

Then click on "*Exit*" on the touchscreen to exit the application.

On the start screen, you should now see the "Upgrade Software" button, double click on it and wait until the software is upgraded and the Login screen appears:







Login with your regular admin password, after you log in it will show you the new master key (this is new in SW4.2.0), take a picture or write it down:



Hit next and it will prompt you to enter that key. Note that number 0 and capital O, as well as the number 1, small letter I and capital letter I look very similar. If you get an error when entering the key you may need to try to substitute them. If you enter it incorrectly it will show you a back button and you'll see the key again.

Check the connection and startup the virtual display

You will also need that key in Putty to reconnect the TightVNC Viewer. Please reference our other document on how to initially setup the TightVNC Viewer:

https://proteomicsresource.washington.edu/docs/EASYnLC setup virtual display.pdf

Make sure you have LC devices 3.2 SP2 (or newer) installed

Now open Instrument Configuration, select the EASYnLC and hit configure. It will need the admin password you normally use to log in via the touchscreen (**not** the Master Key), then test the connection as you normally would. Hit ok and done to close the Instrument Configuration window.

Now open putty, login as hplc

And enter the new Master Key as password (Note if you wrote it down you can copy it and do a right mouse click in putty to paste it)

Change the password in Putty

If you don't like that key you can change the password:

Once you logged in type "passwd" and hit enter

It will prompt you for the "(current) UNIX password": enter the master key you just used to log in Then it will prompt you to "Enter new UNIX password": type the new password of choice it has to be at least 6 characters Then it will prompt you to "Retype new UNIX password": enter the new password again It should confirm that the password updated successfully





Now type: x11vnc -q -display :0

And hit enter

If it looks like this your good to go:



If not try this command instead: x11vnc -env FD_XDM=1 -auth guess

Now you can open the TightVNC as usual.