

How to Update the Chemistry Database in bqEVSW, bqEasy and Battery Management Studio (bqStudio)

User's Guide



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1	How to Update the Chemistry Database in bqEVSW and bqEasy	3
1.1	Getting the Latest ChemID Updater for bqEVSW, bqEasy	3
1.2	Updating the Chemistry in bqEVSW, bqEasy	3
1.3	Summary	11
2	How to Update the Chemistry Database in Battery Management Studio (bqStudio)	12
2.1	Getting the Latest ChemID in bqStudio	12
2.2	Updating the Chemistry in bqStudio	13
2.3	Programming the ChemID in bqStudio	14
2.4	Summary	14

How to Update the Chemistry Database in bqEVSW and bqEasy

This chapter describes how to update the chemistry database used by bq Evaluation software and bqEasy. Update the chemistry database if you do not see your battery cell model listed in the software.

1.1 Getting the Latest ChemID Updater for bqEVSW, bqEasy

NOTE: bqEVSW, bq Evaluation software (bqEVSW), and bqEasy must be installed on the PC before using the contents of this guide.

- Download the latest bqEVSWbqEasy chemistry updater from the [Gas Gauge Chemistry Updater](#) tool page.

1.2 Updating the Chemistry in bqEVSW, bqEasy

After downloading the file, run the executable with admin privileges.

-  A blue box on a GUI image, indicates something the user clicks.
-  A red box on a GUI image indicates information for the user.

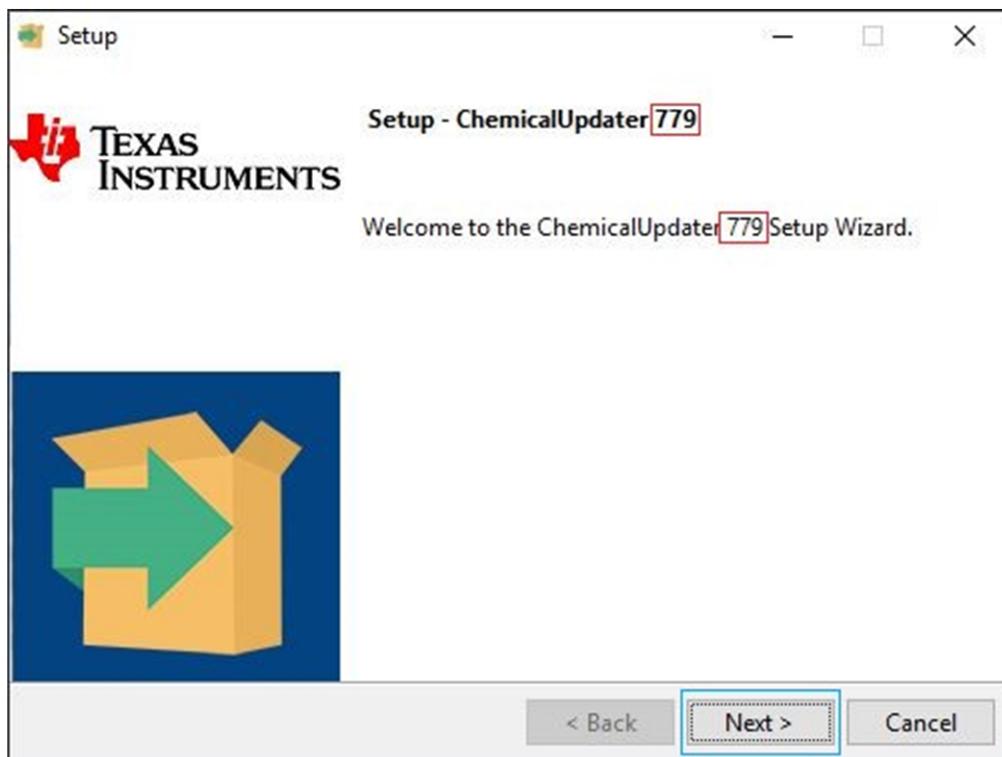


Figure 1-1. License Agreement ChemicalUpdater

Accept the agreement and click the **Next** button.

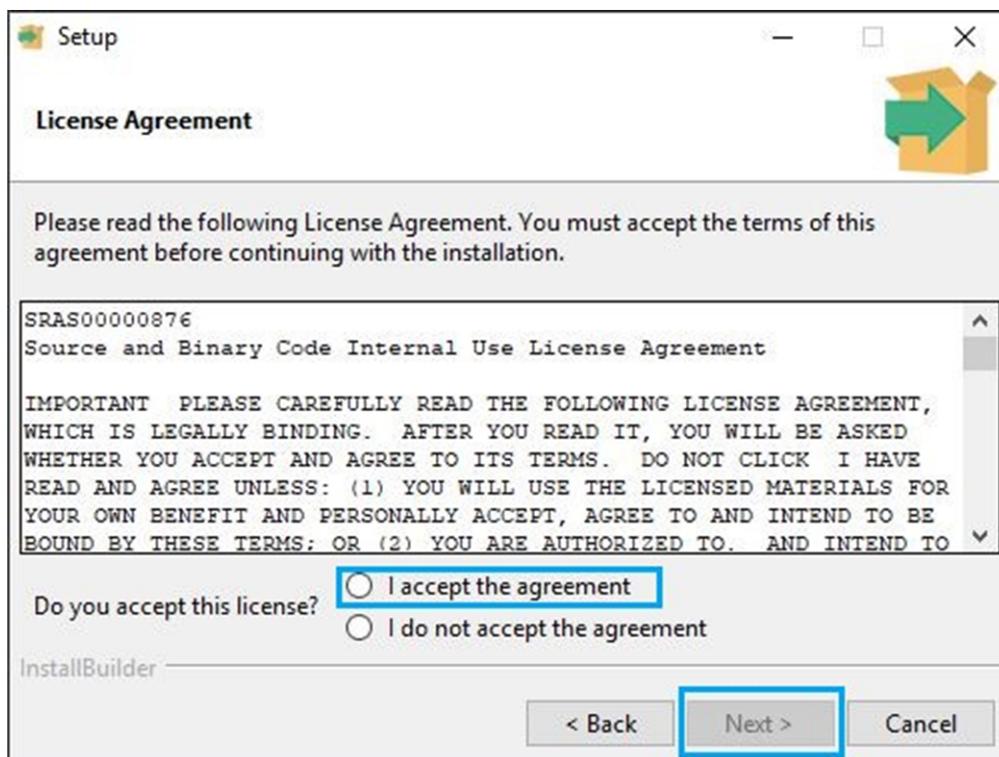


Figure 1-2. Next ChemicalUpdater

Do not change location. Click the **Next** button.

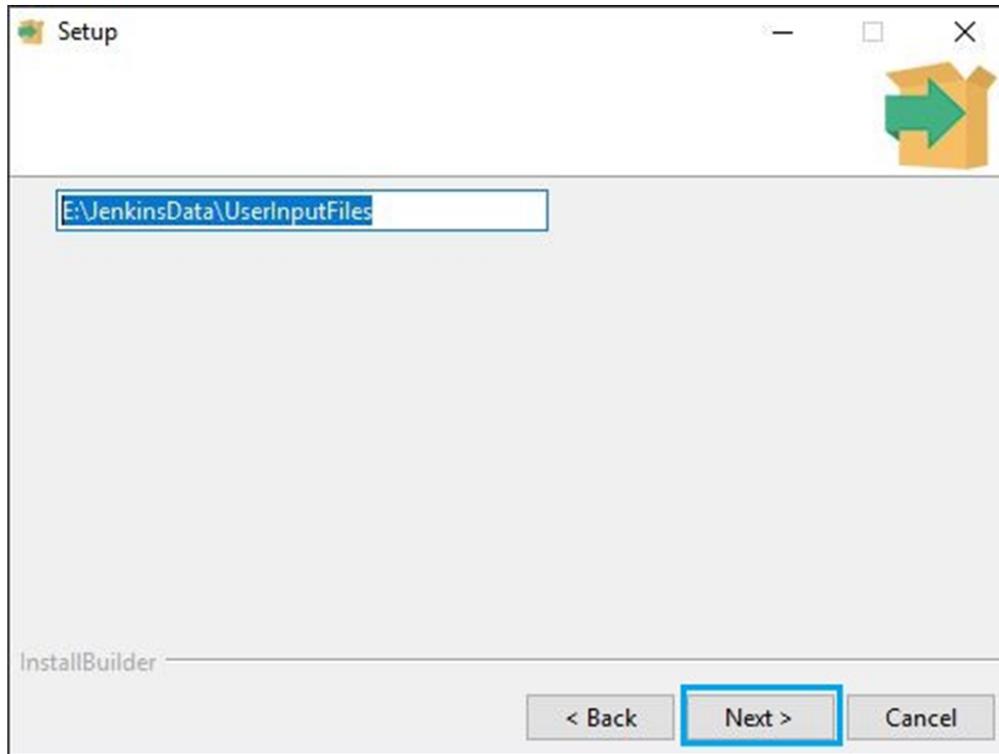


Figure 1-3. Install ChemicalUpdater

Click the **Next** button.

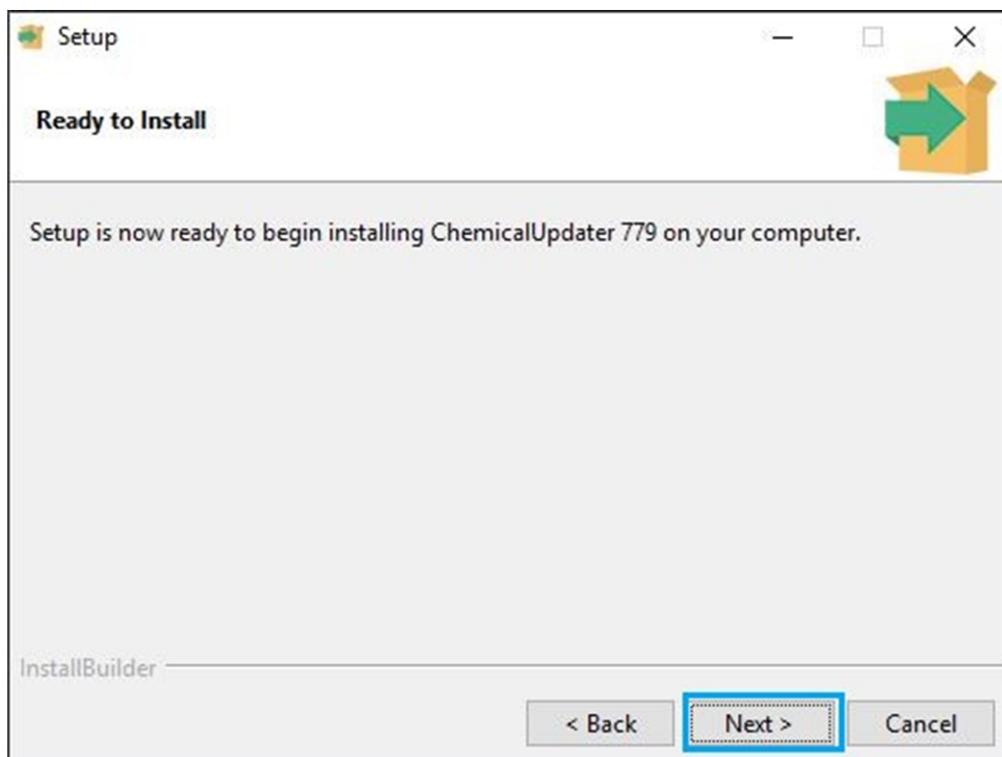


Figure 1-4. Installing ChemicalUpdater

Wait for the files to finish copying and click the **Next** button.

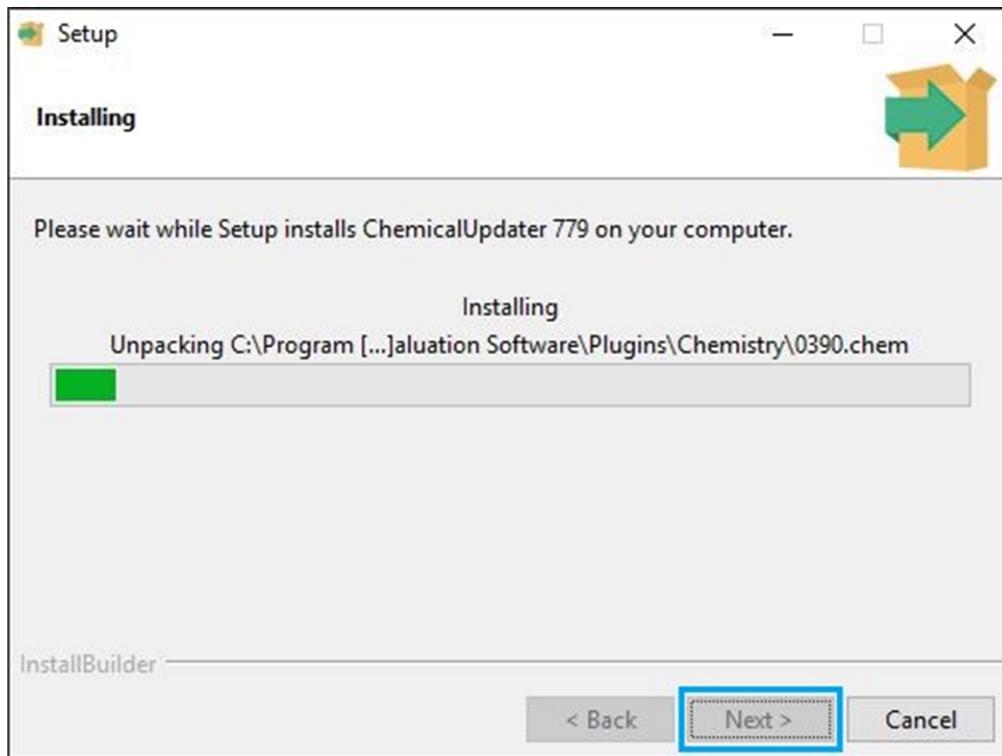


Figure 1-5. Installation Completion Choices

If you leave the checkbox checked, it will run EVSW when you click the **Next** button.

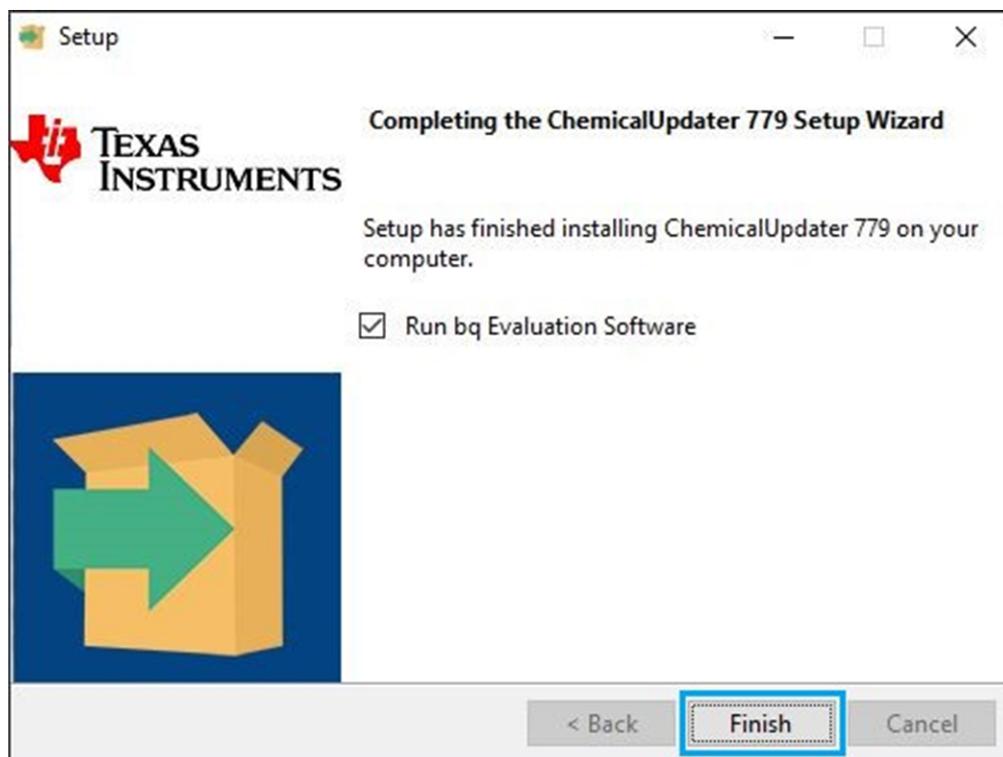


Figure 1-6. Setup Wizard Finish ChemicalUpdater

If you get this error, just click the **OK** button.

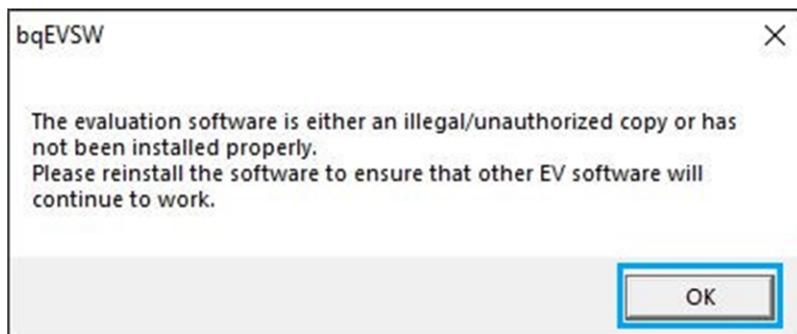


Figure 1-7. bqEVSW OK

This version you download will be different. Your version depends on which gauge you use. You do not need the latest version, some versions do not support all gauges.

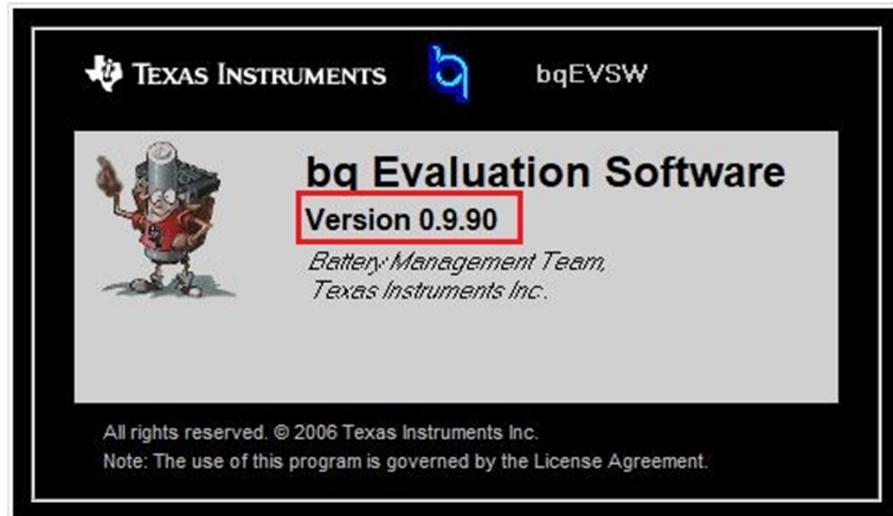


Figure 1-8. bqEVSW Version

Not required: Click the **Refresh** button to make sure your gauge is powered up and communicating.

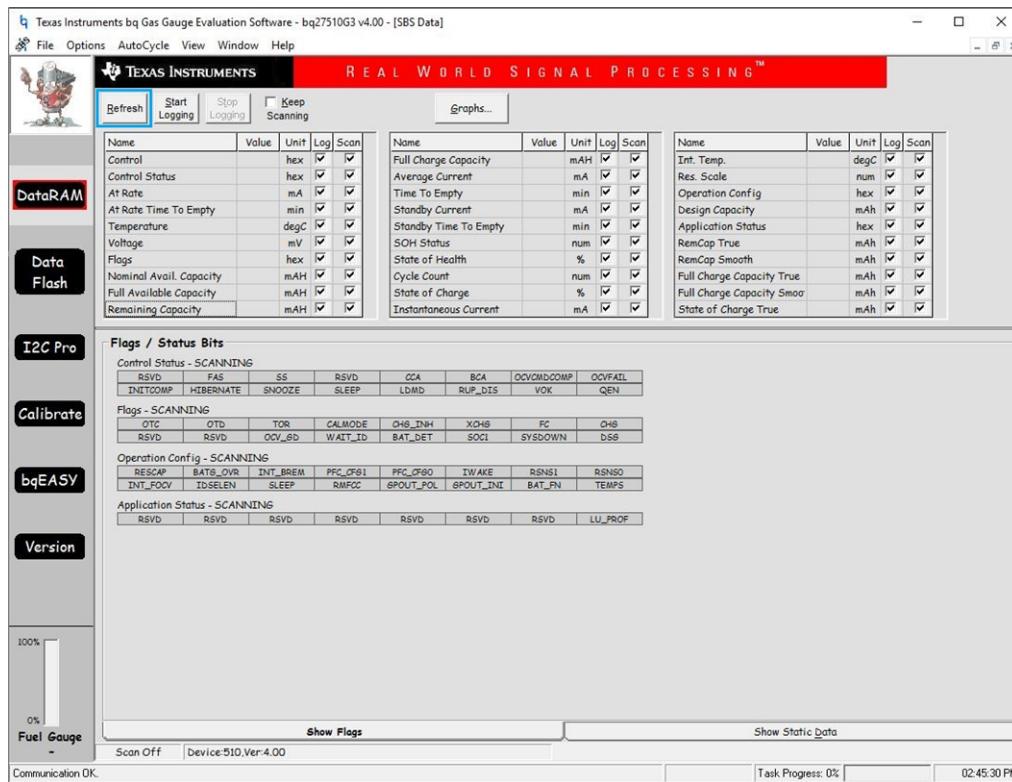


Figure 1-9. bqEVSW Gas Gauge Eval SW SBS Data

Your screen will vary depending on the gauge you are using. Click the **bqEASY** button.

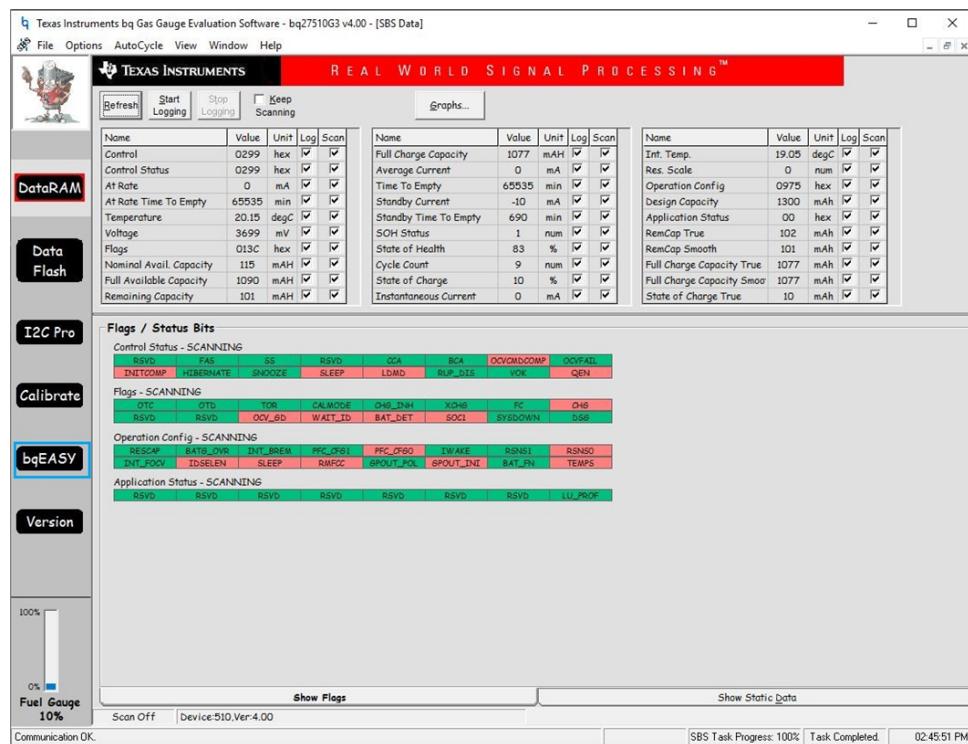


Figure 1-10. bqEVSW Gas Gauge Eval SW DataRam

Click the **4. Chemistry** tab.

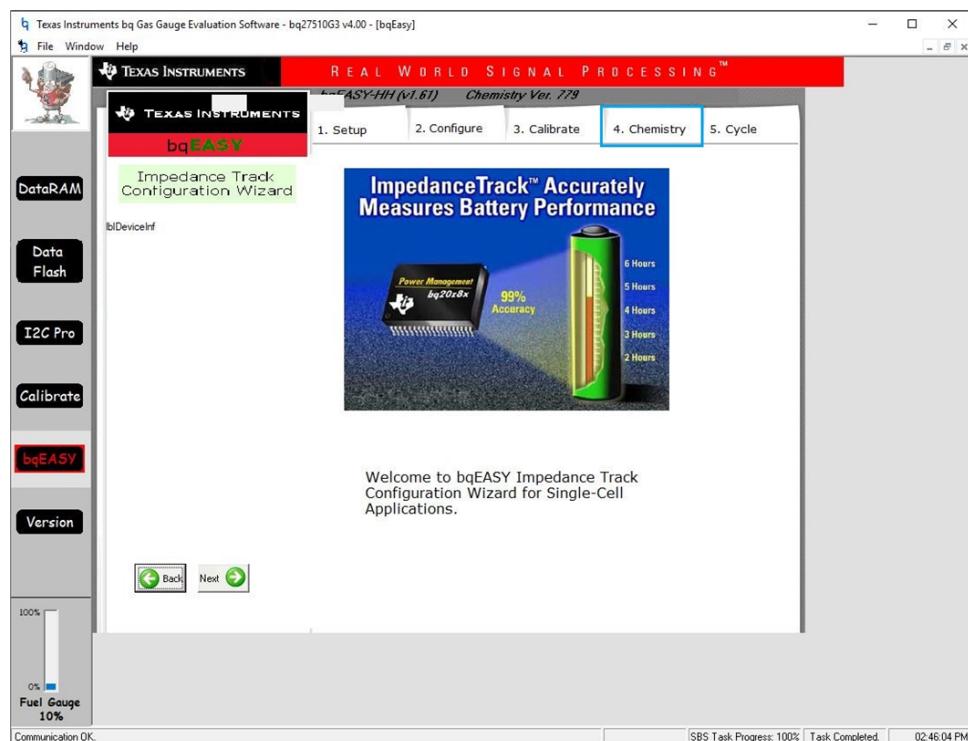


Figure 1-11. bqEVSW GG Eval SW Chemistry

Click the Yes, Enable Chemistry Selection button.

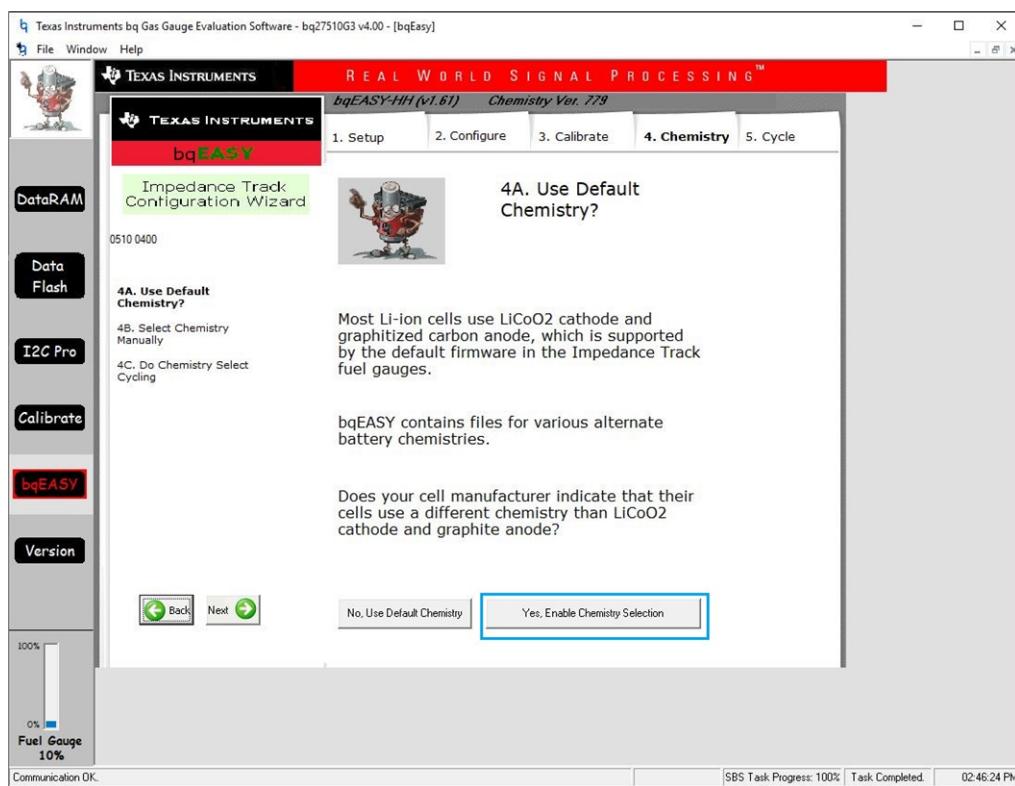


Figure 1-12. bqEVSW GG Eval SW Enable Chemistry

Use the scroll bar to scroll down to your *ChemID #* on the left side of the GUI.

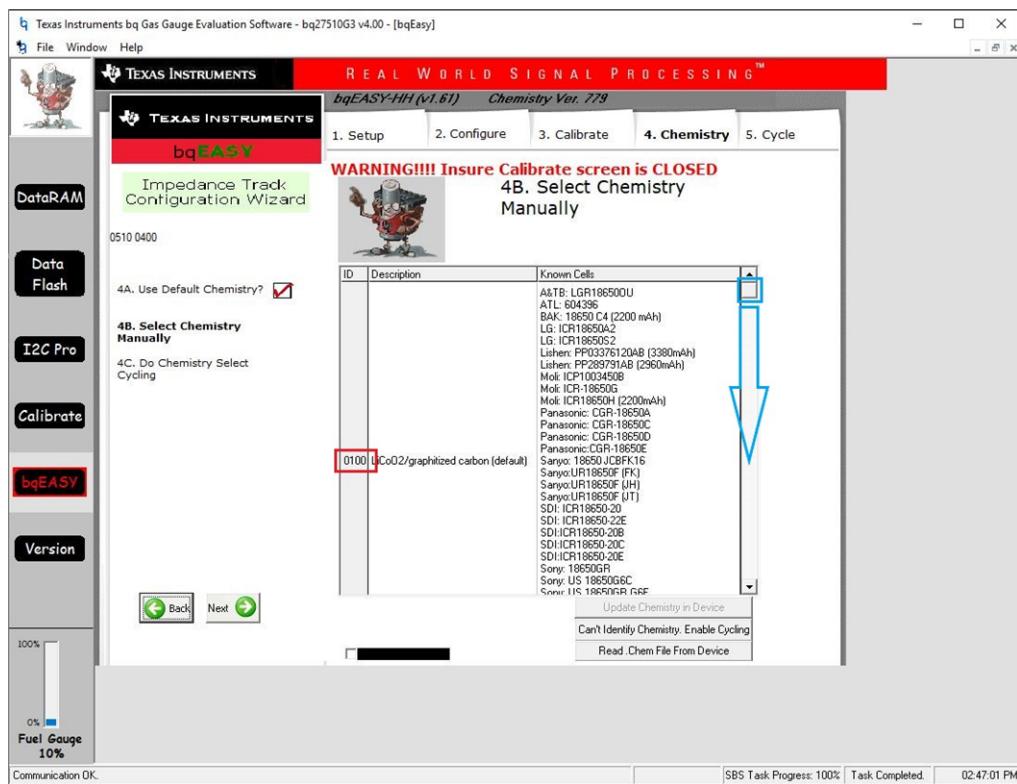


Figure 1-13. bqEVSW Gas Gauge Eval SW ChemID Selection

Once you scroll to your new ChemID, you can select it. It will highlight in green when clicked.

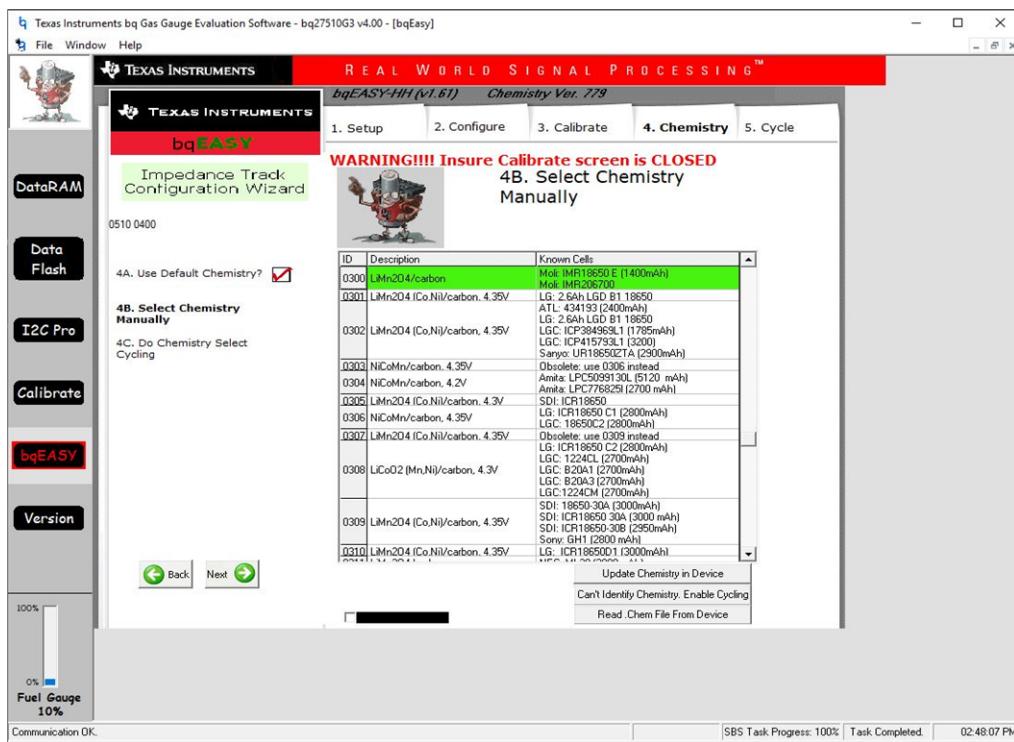


Figure 1-14. bqEVSW Gas Gauge Eval Software View ChemID

1.3 Summary

ChemicalUpdater has been installed successfully and the new chemistry database is available to the software. The user may use the software to configure the gauge with the desired chemical ID.

How to Update the Chemistry Database in Battery Management Studio (bqStudio)

This chapter describes how to update the chemistry database used by Battery Management Studio (bqStudio). Update the chemistry database if you do not see your battery cell model listed in the software.

2.1 Getting the Latest ChemID in bqStudio

The GUI shows the version you have (highlighted in red). Click the link to [ti.com](#) to download the newer chemistry update.

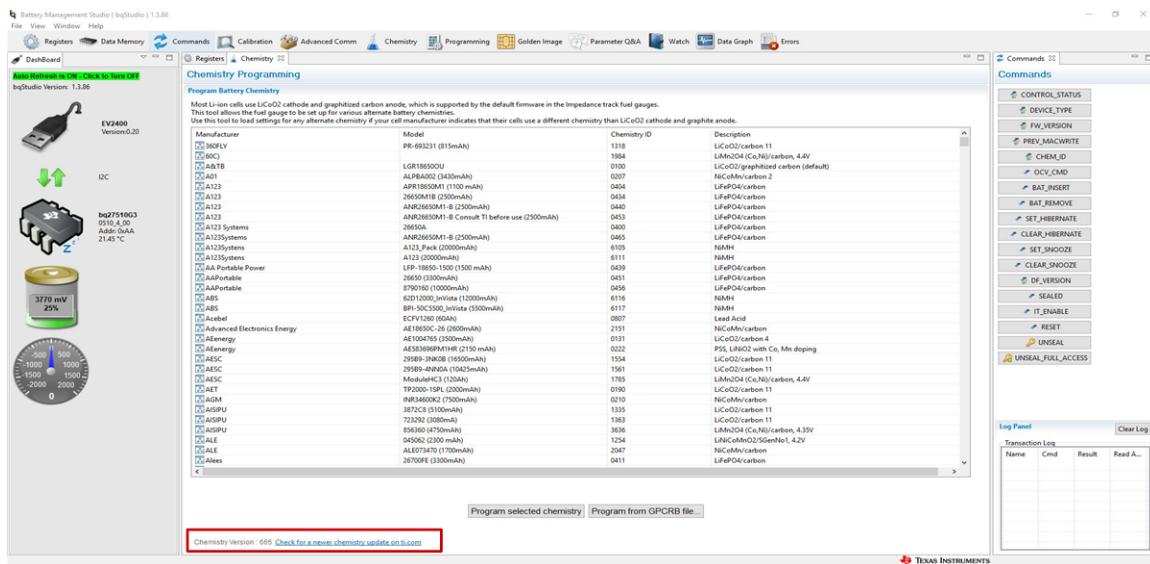


Figure 2-1. Viewing the Current Chemistry Database Version

TI.com has two updaters available for download. One is for bqStudio and the other is for the older EVSW (also called bqEasy).

Gas Gauge Chemistry Updater

GASGAUGECHEM-SW_767

Release Date: 08 Feb 2020

[View release notes](#)
[Supported Platforms](#)
[What's New?](#)
[Release Information](#)

This page contains specific information about Gas Gauge Chemistry Updater release package. Refer to the table below for download links and related content.

Product downloads

Title	Version	Description
Chemistry Updater installer for bq Evaluation/bqEasy software		
Chemistry Updater installer for bq Evaluation/bqEasy software	767	Gas Gauge Chemistry Updater installer(Windows only) for bq Evaluation/bqEasy
Battery Management Studio (bqStudio) chemistry update zip file		
Chemistry Updater for Battery Management Studio (bqStudio) software	767	Use this file with Battery Management Studio (bqStudio) Help menu to import the latest chemistries.
Chemistry updater Documentation		
Documentation Overview	1.0	Gas gauge Chemistry updater Documentation

Figure 2-2. Download Choices - Choose bqStudio Chemistry Updater

2.2 Updating the Chemistry in bqStudio

Once you have downloaded the updater, in the *File* menu options, select *Help*, then *Update Chemistry*. Click the **Cancel** button on the *Chemistry Updater* dialog window. In File Explorer®, move to the folder where you downloaded the file and select it.

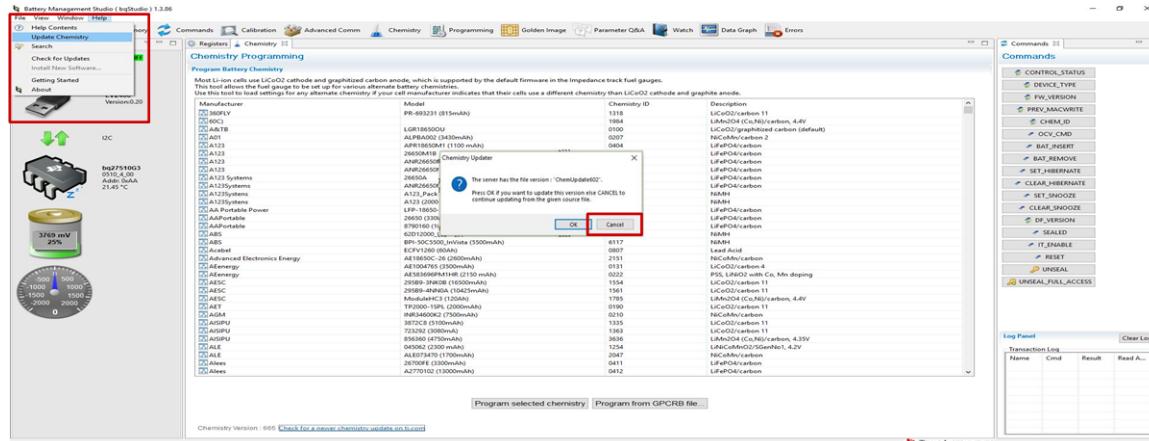


Figure 2-3. Update bqStudio Chemistry Database From the Help Menu

2.3 Programming the ChemID in bqStudio

Once you added the update you may need to close and reopen the *Chemistry* tab to see the new IDs. Select your ID in the list and then click the **Program selected chemistry** button. You have successfully updated the chemistry for your gauge.

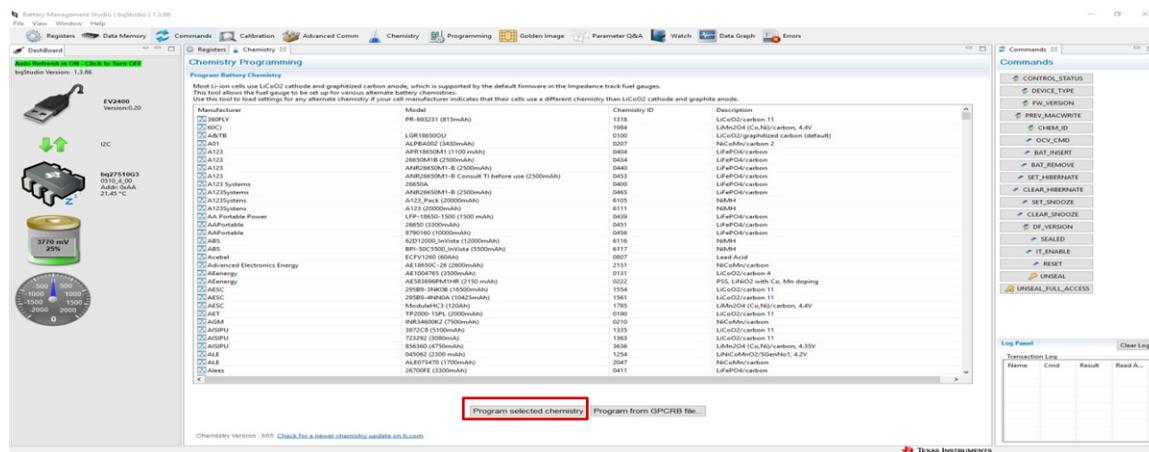


Figure 2-4. bqStudio Chemistry Selection Window

2.4 Summary

Chemistry Updater has been installed successfully and the new chemistry database is available to the software. The user may use the software to configure the gauge with the desired chemical ID.

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