

FAQ 04-22 How do I update my SQC-300 Series Controller software/firmware ?

Your SQC-300 software/firmware can be updated with a computer, the RS-232 port, and the internet.

The latest software/firmware files can be found on the *Downloads* page on our website at www.sig-inst.com/downloadspage.htm

There are two upgrade files - one for co-deposition models (sqc300v405_codep.bin), and one for non-co-deposition models (sqc300v405_non_codep.bin).

* You must download the correct version for your unit - your unit will not work with the wrong update.*

When you power up your SQC-300, the turn-on screen briefly displays SQC-3x0**C** Rev **Y.YY** or SQC-3x0**D** Rev **Y.YY** .

The x is a "1" or "3" depending on which model you have, i.e.: SQC-310 or SQC-330.

A "**C**" indicates the unit is configured for Co-Deposition. A "**D**" indicates the unit does not do Co-Deposition.

The Rev number displayed (**Y.YY**) is the software/firmware version currently installed in your SQC-300.

On our website, the file name indicates the Rev with 3 digits following the letter v. (For example, the current software is Rev 4.05, as indicated by v405 in the file name.)

Compare your unit's version with the file version listed on our website. If the file on our website is a higher number, you can upgrade.

1. Download the BIN file from our website to your computer.
2. Start the SigmaFlash.exe program, which is included on the CD-ROM that shipped with your instrument.
3. In the SigmaFlash window, click the "File..." button and load the BIN file you downloaded.
4. Connect the SQC-300 to your computer with a straight-thru RS-232 cable (one was provided with your instrument).
5. In the SigmaFlash window, select the Comm Port for your computer from the drop-down box.
6. The SQC-300 must be turned off before the next step.
7. Click "Program", and then turn on the SQC-300.
8. SigmaFlash will find the SQC-300 and load the new program.
9. When the upgrade is complete, the SQC-300 will restart.
Verify that the startup screen shows the new firmware version.