

How to use a GMC-300E with Radioactive@Home on Win10

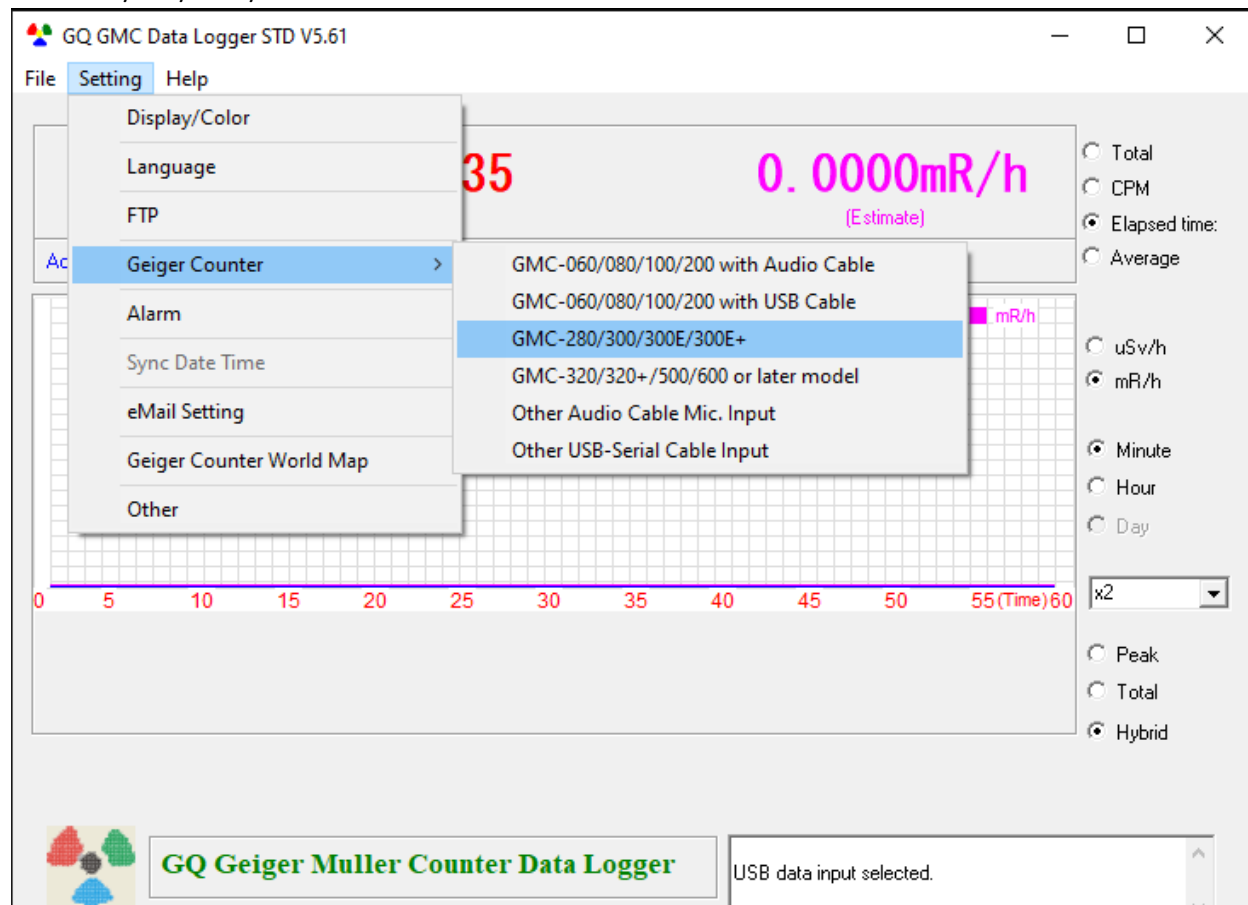
-Before you connect the GMC-300E detector to your PC USB port, download the latest software for the GMC-300E from <https://www.ggelectronicsllc.com/comersus/store/download.asp>. You will need the USB Driver download named GQGMCGeigerCounterUSBDriver.exe and the GQ Geiger Counter Data Logger PRO V5.61 download named GQGMCPSetup5.61.exe.

-Run GQGMCGeigerCounterUSBDriver.exe to install the UDB drivers, then run GQGMCPSetup5.61.exe to install the GQ Geiger Counter Data Logger PRO V5.61 program. If you get an error message during the CH341SER.INF USB driver installation, try uninstalling and re-installing.

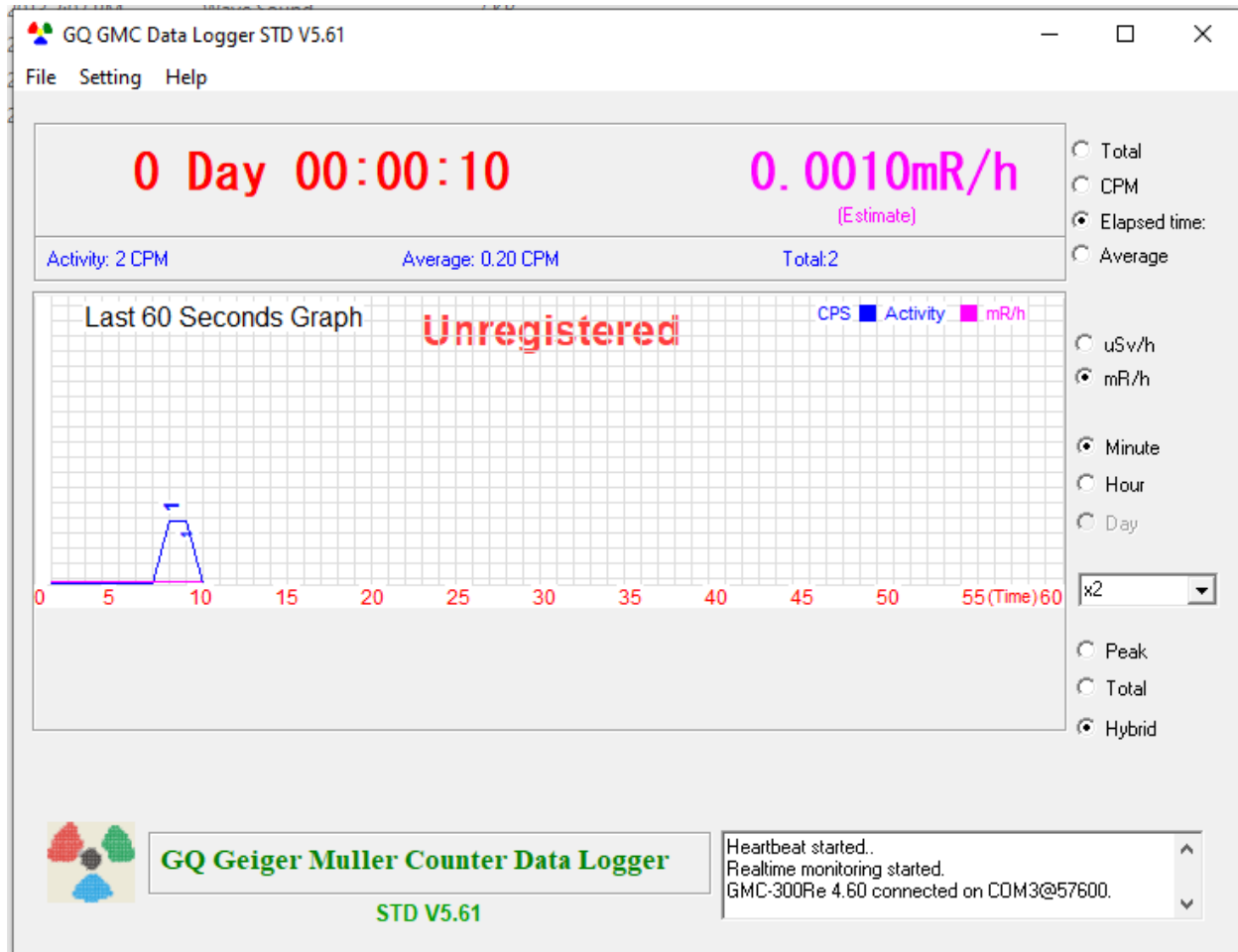
-Connect the GMC-300E detector to your computer's USB port

-Open the Windows Device Manager. You should have a section labeled Ports (COM & LPT) with a device named USB-SERIAL CH340 with the com port used in parentheses, Remember that com port number.

-Now you must open the com port on the GMC-300E detector. To do this, run GQ Geiger Counter Data Logger PRO V5.61 program GQGMCounterPRO.exe. Under the Setting menu select Geiger Counter, then GMC-280/300/300E/300E+



-Wait until you see the message in the lower right display of the GQ Geiger Counter Data Logger PRO V5.61 program reporting...Heartbeat started, Realtime monitoring started, GMC-300Re connected on COMX@57600



-After the com port is open you must exit the GQ Geiger Counter Data Logger PRO V5.61 program.

-Under the Radioactive@Home project preferences, set the Runtime to .5 hours. After you verify everything working, you can increase that value but use .5 hours for now until you complete a WU and make sure it verified and gave credits.

-Attach the BOINC client to the Radioactive@Home project.

-After the BOINC clients attaches to the project and creates the radioactiveathome.org_boinc in the projects folder, shut down the BOINC client.

-Copy the contents of radioactiveathome.org_boinc folder from the zip file to the BOINC client projects\radioactiveathome.org_boinc folder. There should be 3 files; app_info.xml, gmc.xml and gmc300.exe

-Edit the gmc.xml file and change the <portnumber> value to the com port number used by the GMC-300E detector. Save the file and exit the editor

-Restart the BOINC client, abort existing Radioactive@Home and wait for a new WU to download and complete.

-After the WU has completed and uploaded, verify it validated and granted points.

-The first WU might fail to validate or not grant points but if the second WU fails to validate or grant points, post the Stderr output from the Task details at the project website.

-If the computer restarts, you will need to repeat the steps to open the GMC-300E detector com port.