

Installing GSM-CommVS software!

Congratulations on selecting the GSM-3 Gas Mixer! The supplied **GSM-CommVS** software will allow convenient and fast setup of the mixer as well as automated operation. Following installation, a few steps are necessary to assure trouble-free operation.

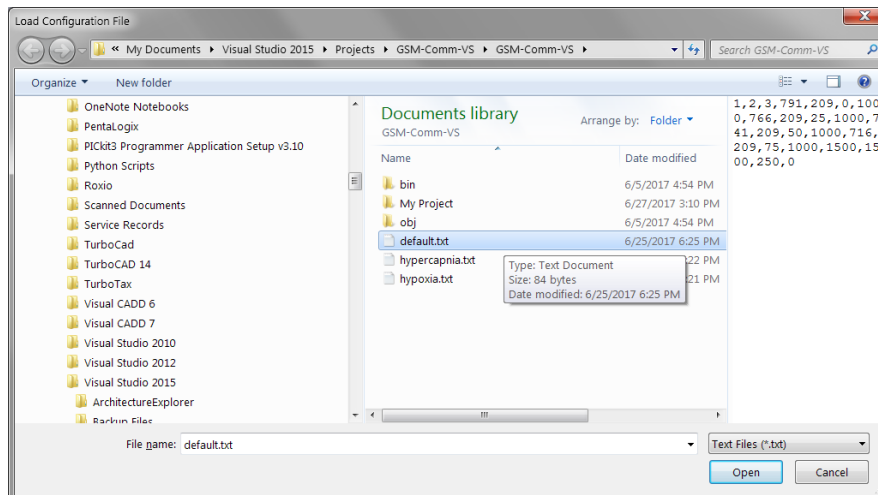
Note: If you already have a previous version of GSM-Comm, it is strongly recommended that you uninstall it before installing the new version.

Installation:

Locate the **GSM_Install** folder on the supplied media (CD-ROM or USB drive). Double-click on the **Setup.exe** file to begin installation. Follow the prompts. Depending on your computer, the program may automatically start following installation. If it does, select **default.txt** as the startup configuration. The program **GSM-CommVS** should be added to your start menu.

Initial setup:

Run the GSM-CommVS program, and you will be prompted to select a startup configuration file:

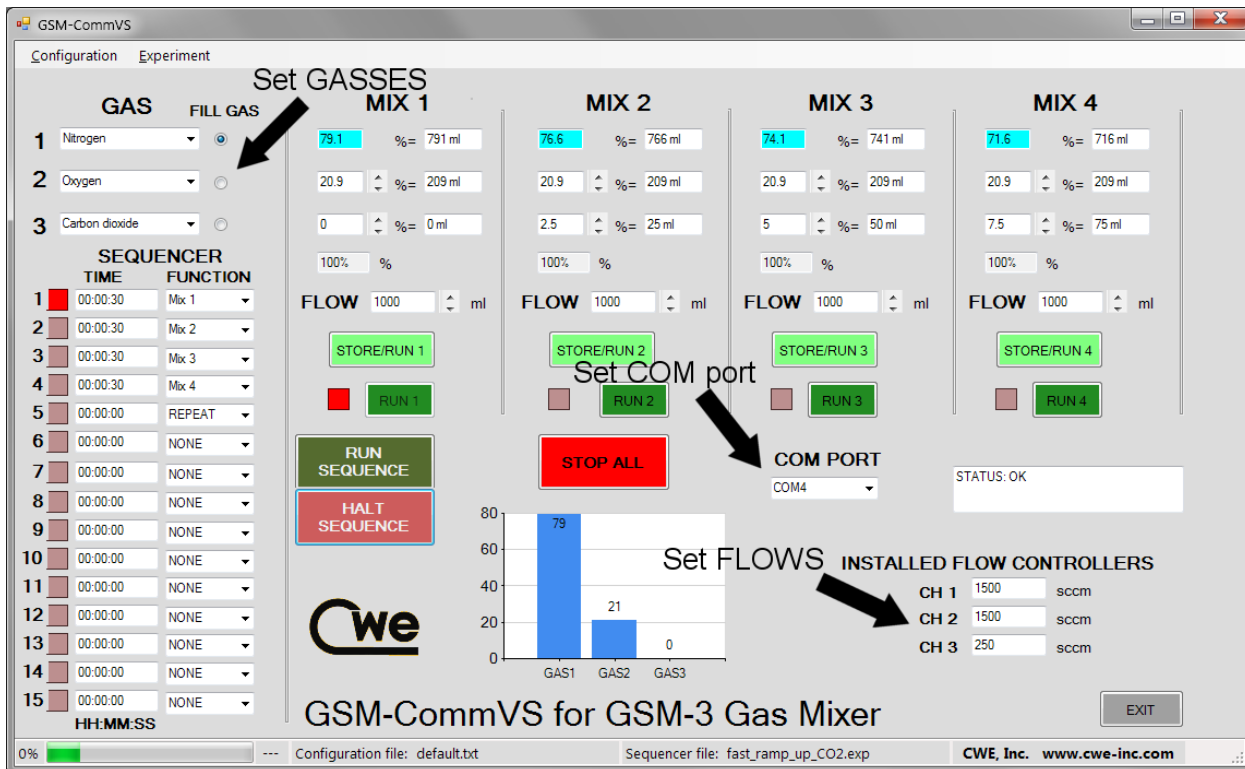


Select **default.txt** as shown above. The main program will now load as shown below. There are a few settings to configure for your particular GSM-3 Gas Mixer, and these will be saved for the future:

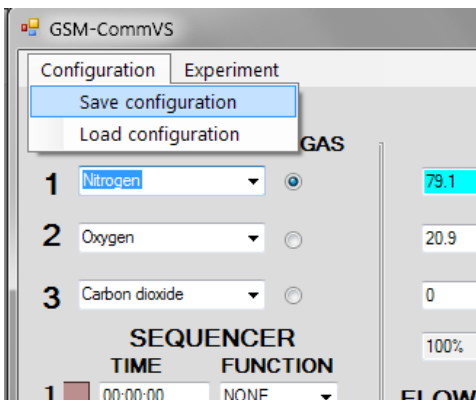
Select serial COM port – The small COM PORT text box allows you to select the COM port you will be using. It will automatically display the ports available on your computer. These can be actual, physical COM serial ports, or “virtual” COM ports using USB-Serial converters. Scroll the control to select the one you want to use, and that is actually connected to the GSM-3 mixer.

Set the flow controller ranges – These are the actual flow ranges of the Mass Flow Controllers installed in your machine. These should be listed on the first page of your printed instruction manual.

Set the GASSES – Using the drop-down selection boxes, select the three gasses you will be using. In most cases, the installed Mass Flow Controllers are pre-calibrated using specific gasses. Next, select the FILL GAS by clicking the appropriate radio button. Typically, this will be GAS 1, and Nitrogen. This will be the gas used to make your mixture come up to 100%.



Save your configuration – Select **Save configuration** on the menu at the top of the screen (see below). We recommend saving this as **default.txt**, so this can always be used to recover your initial configuration. As you use the mixer, you can save any number of these configuration files containing your custom gas mixtures. A few samples are provided, including **hypoxia.txt**, **hypercapnia.txt**, etc.



Note that the **Sequencer** files (accessed using the **Experiment** menu) must be loaded and saved separately, and are not automatically save with the Configuration files.

Your software is now ready to control the GSM-3 Gas Mixer!