

REVISION RECORD						
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Laptop Connection Instructions

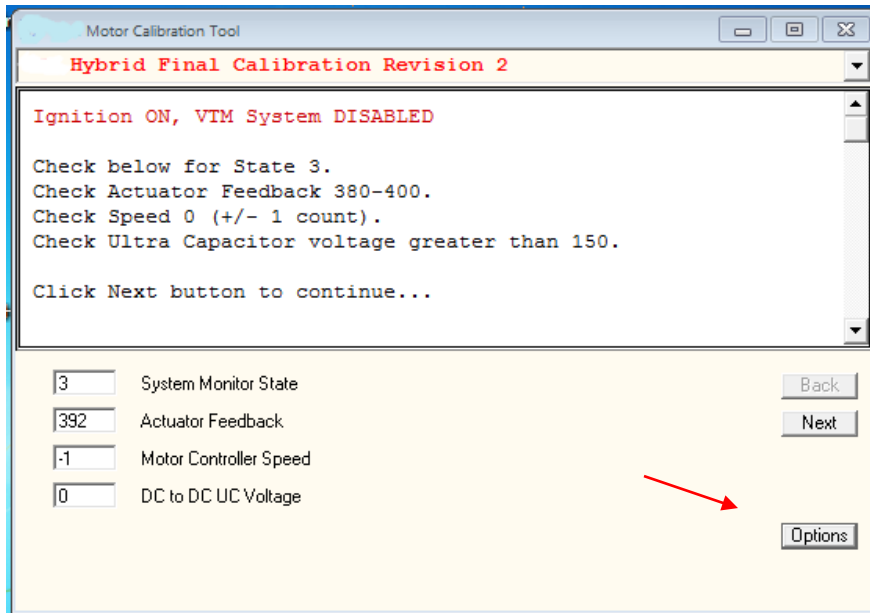
If needed, download Calibrator from the following website. 'Save' the program to the Desktop or other desired location. <http://crosspointkinetics.com/>

If using a USB port on laptop, also download the 'Drivers for USB to Serial Converter'. Select 'Run' or 'Save' to download. If you 'Save' it, be sure to run it after downloading.

Connect laptop to serial port on bus with cable. You can use a USB port or a 9 pin serial port on the laptop.

You may need to go into 'Device Manager' in Windows to determine which port (Comm 1, Comm2, etc.) to use in Calibrator. The easiest way to do this (Win 7) is go to 'Start' and type in 'device manager' in the search box, press enter and click on 'Ports'. If you are not sure which one it is, unplug the cable on the laptop and the port will disappear under the 'Ports'. Plug cable back in.

Start Calibrator. If you do not see any numbers in the boxes in lower half, click on 'Options' in lower right Calibrator window.



Click 'Comport Setup'. A window will open with a dropdown and you should be able to find the proper port. Sometimes it shows the correct one in the dropdown and just clicking on it activates it. You should see data in the boxes now. If not, you may have selected the wrong port or the USB Driver is not installed.

Bus Animation Setup

Download the 'Bus Animation' program from the same website shown above. 'Save' to your desired location.

Open the 'busdisp' program. To select the same port as in Calibrator, click 'Adjust'. Type in the correct port in the 'Comm Port' window. Click 'Save' then 'Close'. The Animation should be active.

Note: Bus Animation program does not work with high number Comm Port setting such as Comm 10 or higher.

Note: The Calibrator and animation program cannot be open at the same time.

Note: After running the Animation program, the bus must be turned off and on to reset the controller. Otherwise, the Calibrator will not allow any changes made.