

Faraday

Updating Faraday Firmware
8.29.17_v1

Tools needed

Windows (7 or later) Computer
Faraday M5 USB Serial Cable

IMPORTANT: FIRMWARE UPDATES ARE NOT COMPATIBLE WITH FIRST GENERATION PORTEURS.

IF YOU ARE UNSURE THE GENERATION OF THE PORTEUR CHECK THE CONTROLLER VERSION ON THE NON DRIVE SIDE OF THE CONTROLLER. IF THE REVISION IS **D** OR LATER THE BIKE IS SAFE TO BE UPDATED

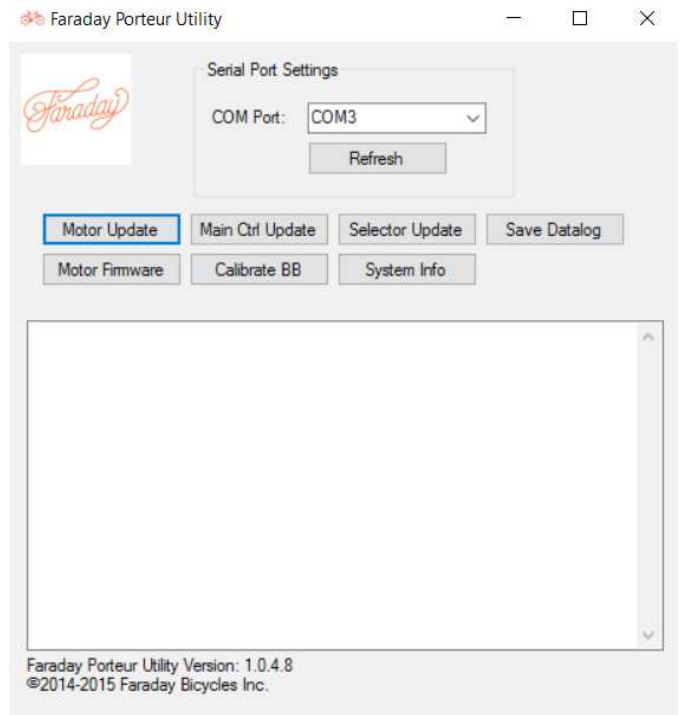
NOT COMPATIBLE



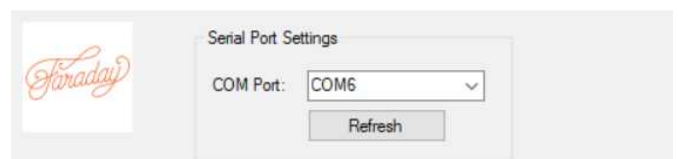
COMPATIBLE



Step One: Open Faraday Utility



Step Two: Connect serial cable to Computer. Make sure computer is connected to the Internet so that it can download any necessary drivers. Click *refresh* in the Porteur Utility and select appropriate COM Device.



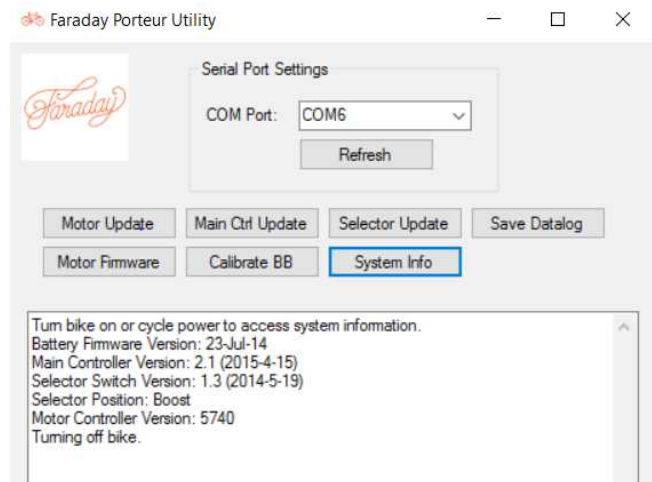
Step Three Disconnect the mode selector



Step Four Connect the serial cable to the top tube cable and mode selector. Take care not bend any pins by lining up the arrows on the connectors.



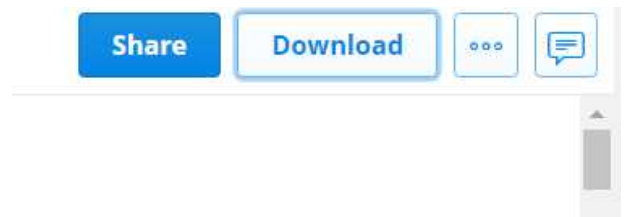
Step Five Make sure the bike is powered on. Test connection by selecting *System Info* in the Faraday Utility. The bike details should be displayed.



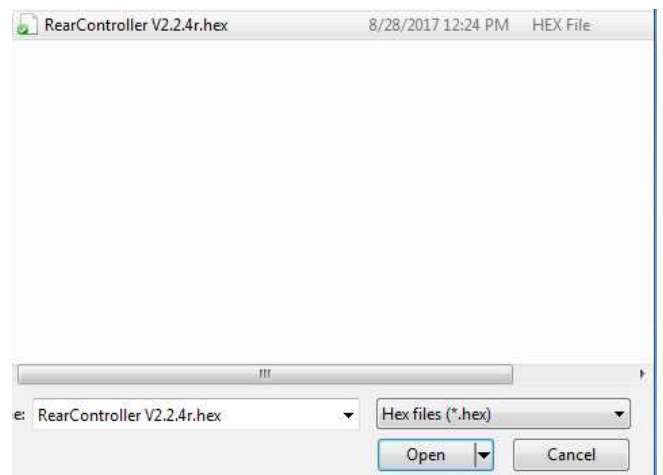
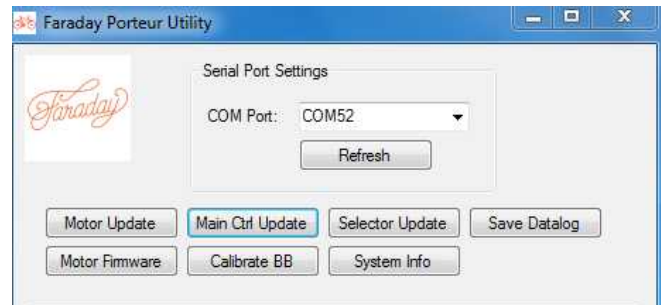
Step Six Download the latest firmware update:

<https://www.dropbox.com/s/jriagw361ur35jc/RearController%20V2.2.4r.hex?dl=0>

Step Seven Download the file from Dropbox repository.



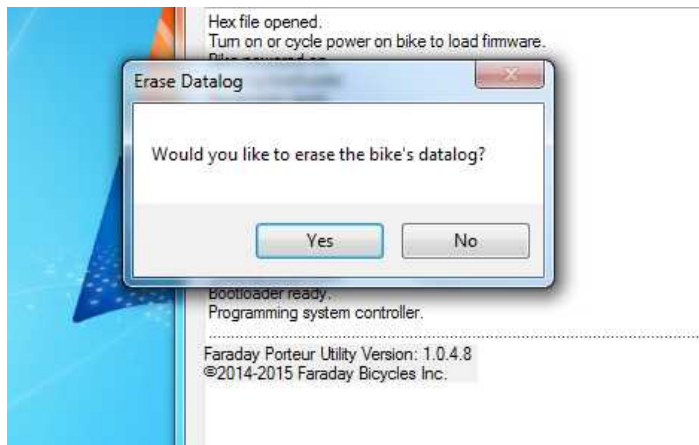
Step Eight Select *Main Ctrl Update* in the Faraday Utility. Navigate to the downloaded .hex file. Upon selection, the new parameters will be flashed onto the bike. If nothing happens toggle the switch power on the bike.



Step Nine The system may give errors. This is not usually a problem. If the program retries more than five times, restart both the utility and the bike and try again.

```
Hex file opened.  
Turn on or cycle power on bike to load firmware.  
Bike powered on.  
Starting bootloader.  
Bootloader ready.  
Programming system controller.  
...  
Programming Error. Retrying.  
Starting bootloader.  
Bootloader ready.  
Programming system controller.  
  
Programming Error. Retrying.  
Starting bootloader.  
Bootloader ready.  
Programming system controller.
```

Step Ten When prompted to erase the bike's data log, select Yes.



Step Ten Disconnect the the serial cable and reconnect the selector. The bike should be good to go! Always make sure to take it on a test ride.