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1. Updating the Firmware

Submitted by frank on Tue, 2017-10-03 19:49

Configuration of your VESC® or VESC® based ESC using the VESC®-Tool Software.

In this tutorial we will update the firmware on a genuine VESC®

If you have 3rd party hardware, please find out the revision number (e.g. 4.12) prior to updating the firmware.

Wrong firmware will permanently damage your hardware!

[Make sure to use the latest VESC-Tool version!](#)

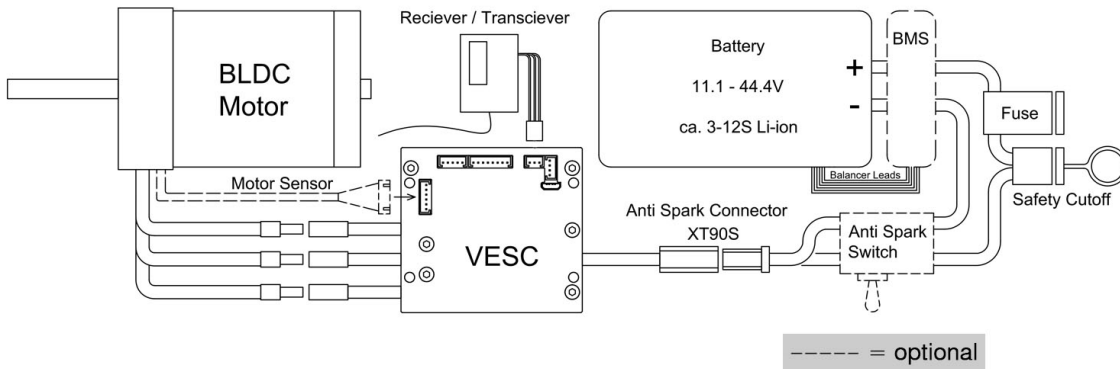
Download from http://www.vesc-project.com/vesc_tool



Updating the Firmware

Step 1:

Connect your VESC® according to the wiring diagram shown in the manual.

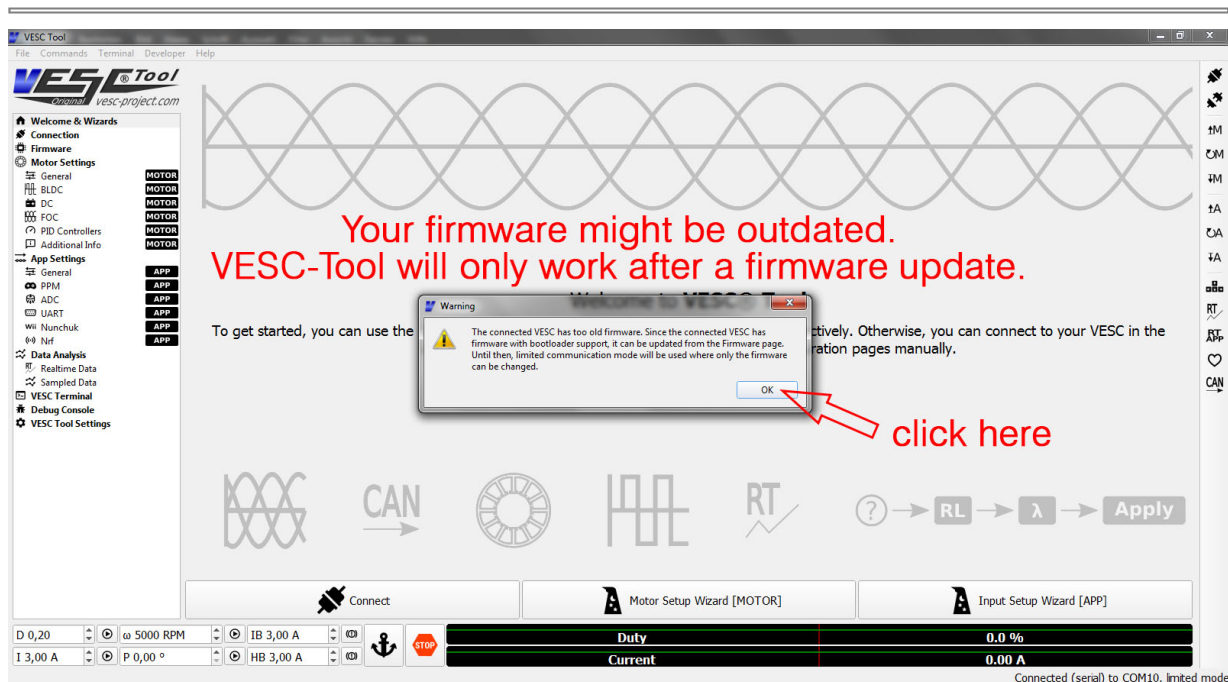


Connect your VESC® to your computer using a mini/micro USB cable.

Mini USB is used for HW 4.xx only. Some cheap micro USB cables are designed for charging your

phone and will not work properly! Try another cable if you experience any issues.

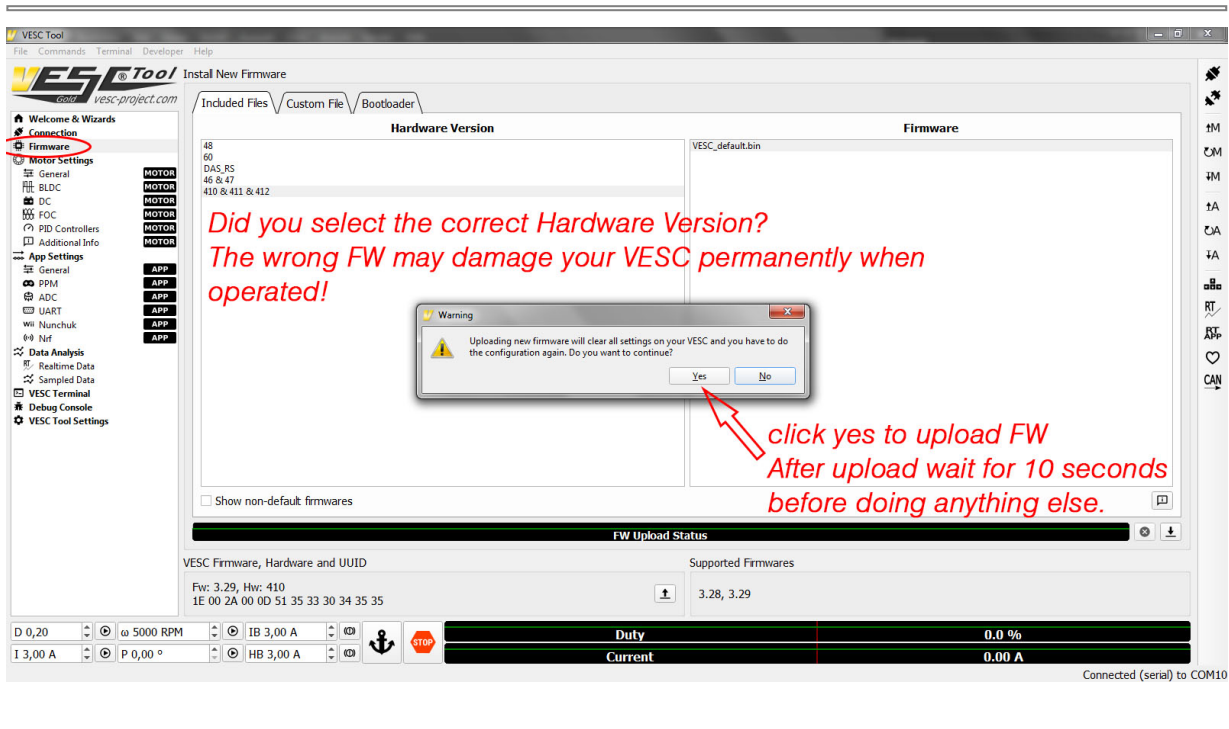
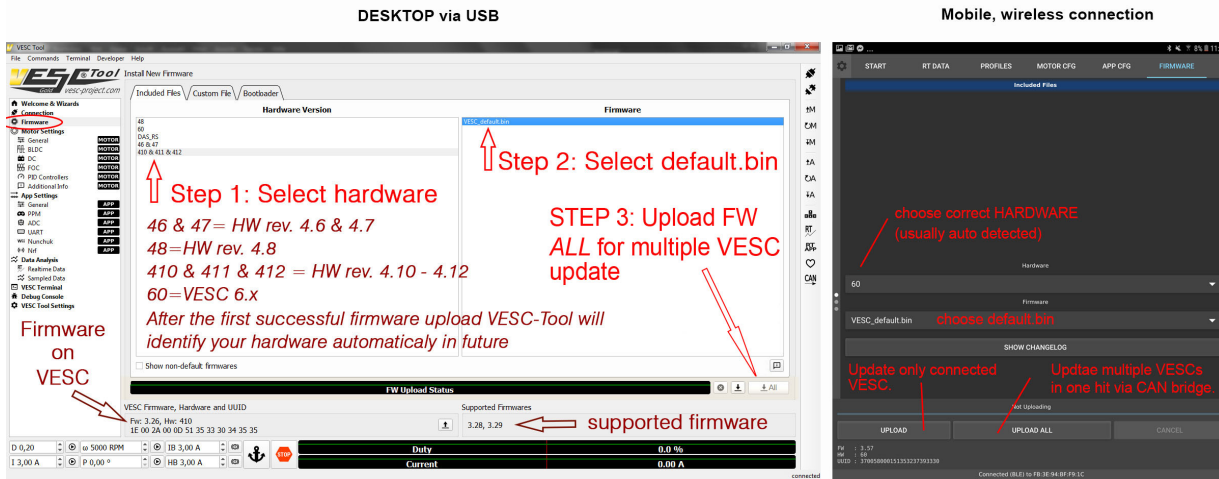
Run the VESC®-Tool software.

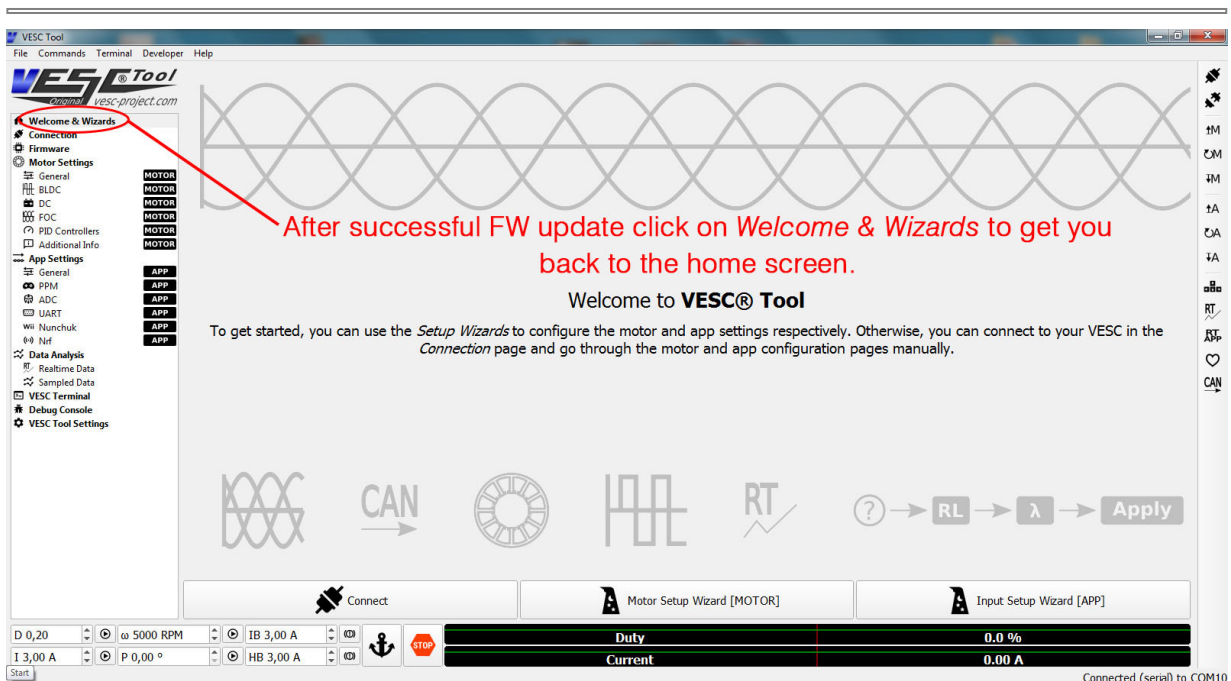
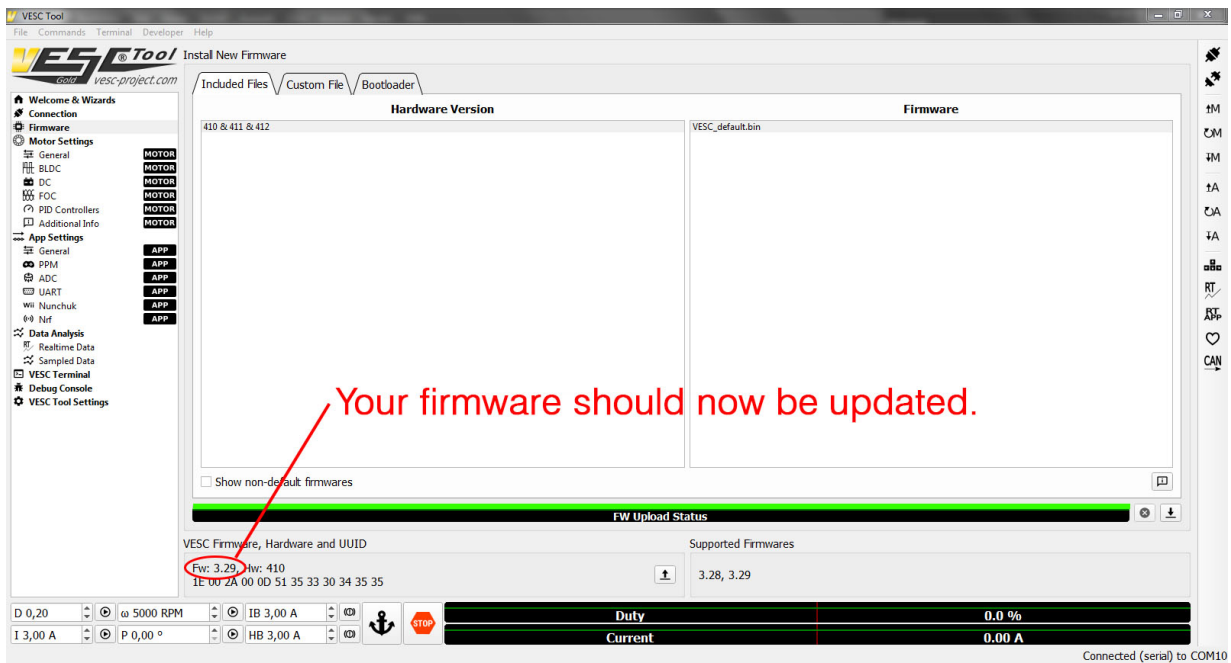


Click on firmware in the left menu bar. This will bring you to the screen shown below.

Make sure to select the correct Hardware! Wrong firmware will instantly and permanently damage your hardware

when you try to operate it.





Congratulations, you have successfully updated your firmware!

If you fail to update the firmware, your hardware probably has no bootloader installed. Please refer to the **bootloader upload manual**.

Please continue with the *Motor Setup Wizard* now.

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[2. Motor Wizard FOC](#)