

FIRMWARE FLASH - SP RACING F3 EVO

The following tutorial covers flashing Cleanflight Firmware onto the SP RACING F3 EVO Flight Controller. Betaflight is the same steps like Cleanflight.

Installing the ST drivers:

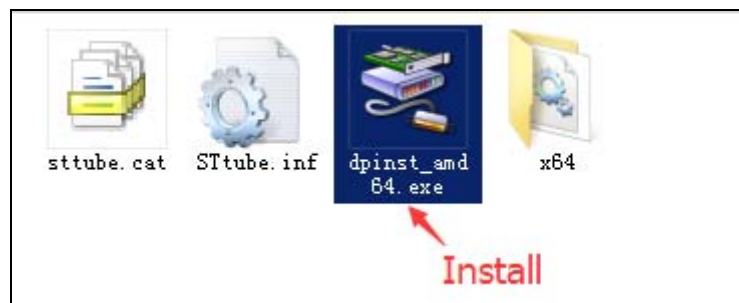
(For Windows Only)

[Download](#) and install the [DfuSe demo package](#).

Open an explorer window and browse to (assuming you've installed to the default path) C:\Program Files (x86)\STMicroelectronics\Software\DfuSe v3.0.5\Bin\Driver

Browse two folders deeper to the folder relative to your Operating System version, and x86-32bit or x64-64bit variant.

Click the dpinst_x##.exe to install the driver.



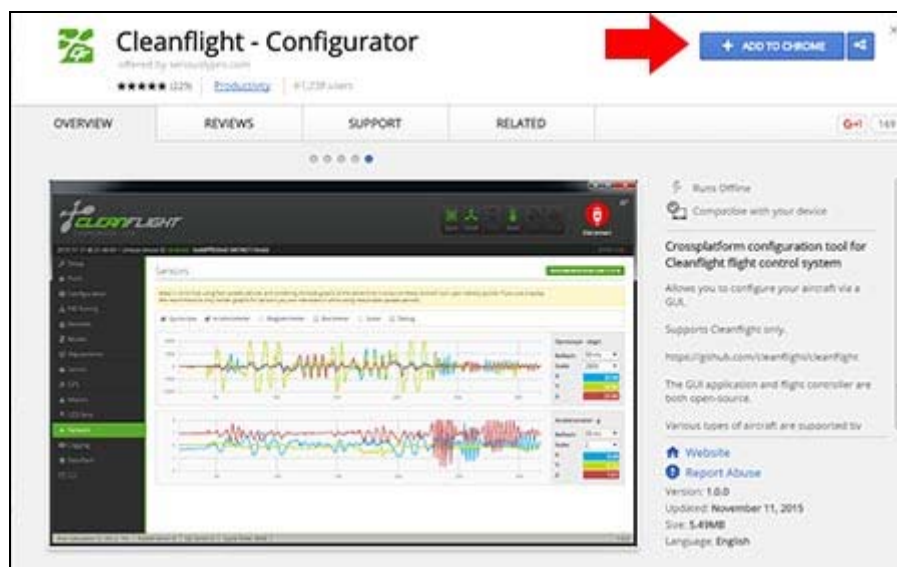
Installing Cleanflight Configurator:

(For Windows Only)

You must use Cleanflight Configurator v 1.0.0 or newer.

The following assumes you also have the [Chrome Browser](#) installed.

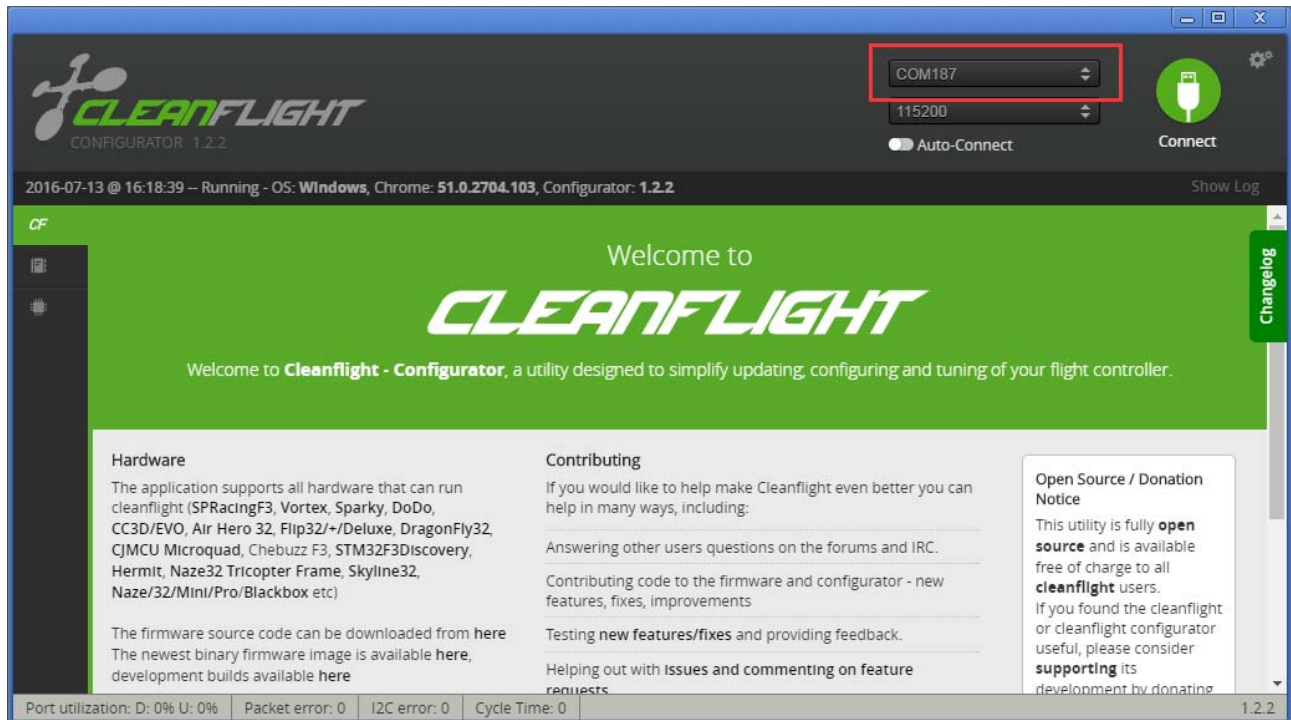
[Get](#) the latest Cleanflight Configurator (+ Add to Chrome)



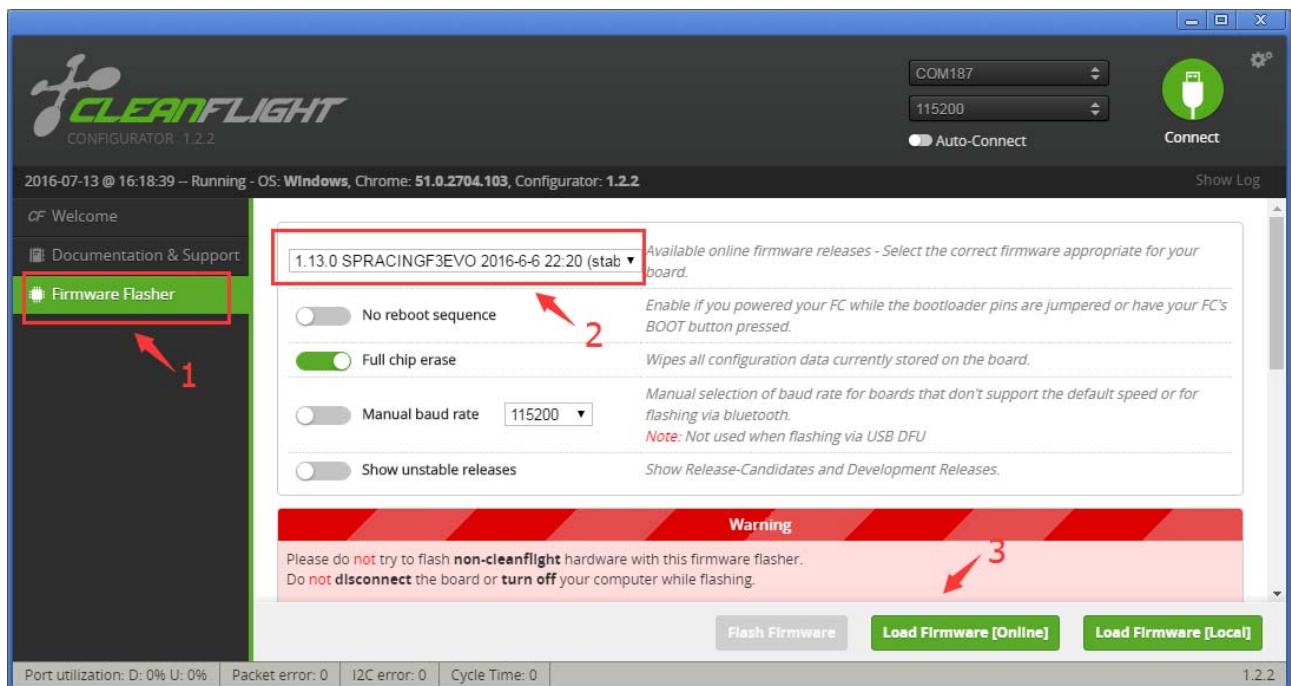
Replacing the ST Driver with WinUSB driver:

(For Windows Only)

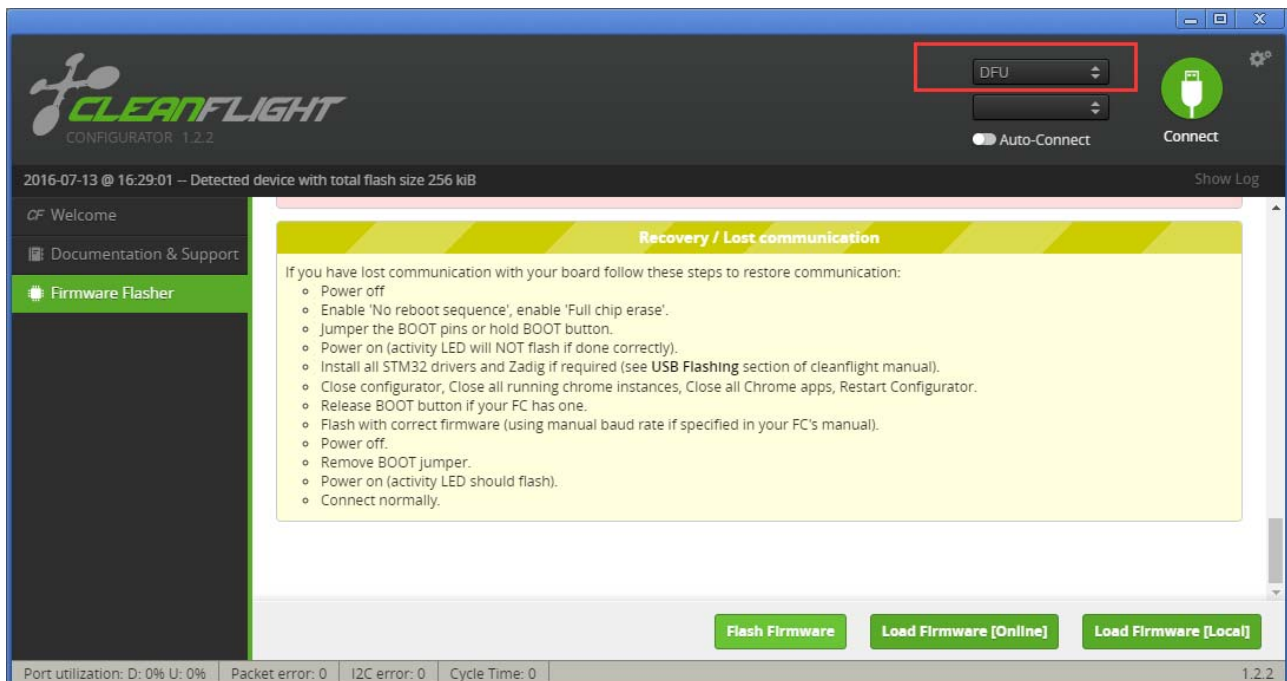
1. Plug your SP Racing F3 EVO board into your computer. Open cleanflight configurator , you should see the serial com port



2. Click “Firmware Flash” menu, select the latest firmware for SP RACING F3 EVO and load firmware [online] or load firmware [Local]

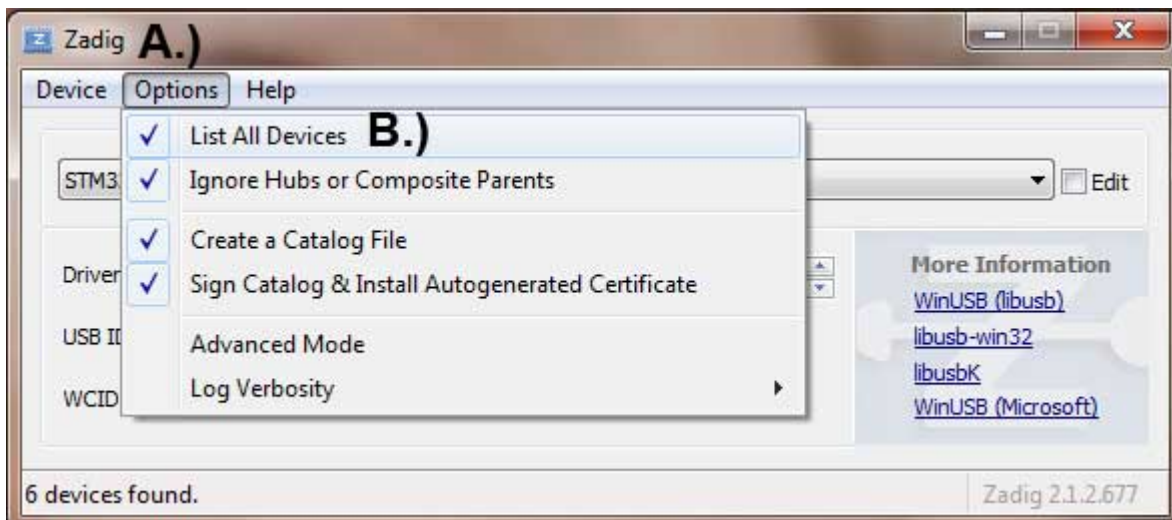


3. Click “Flash Firmware” and wait the ST DFU DRIVER Automatic installation. It’s successfully installed when you see the DFU port on the Up right corner.



4. [Download](#) and launch Zadig

5. From Zadig, a.) Select Options, b.) Tick List All Devices



6. a.) Select STM32 Bootloader from the dropdown, b.) Choose WinUSB as the replacement, c.) Click Replace Driver. Some times the Replace progress will be slow or no response, you can close it and do it again, you will find the dropdown is no STTUB30 but WinUSB, just click replace driver from WinUSB to WinUSB .

