Features

- STM32F303 CPU
- MPU9250 accelerometer/gyro/compass (connected via SPI)
- 2-6S LiPo battery
- Integrated 5V/3A BEC
- Dedicated Sbus and serial RX with 5v, Spektrum 1024/2048, SBUS, XBUS, SumD and SumH RX with built-in inverter
- Supports direct connection of 3.3v Spektrum Satellite receivers
- Telemetry support (Frsky telemetry, smartport, and HoTT telemetry)
- Dedicated PPM receiver input
- Buzzer support
- Dedicated output for programmable LEDs - great for orientation, racing and night flying. (Currently mutually exclusive with the Transponder)
- BLHeli Passthrough ready (connect BLheli suite)
- 2.0 mm pin headers
- 80A Current tolerance (PDB)
- Integrated Battery monitoring
- Use all the features all the time; e.g. Connect your USB + SmartPort + SBus + LED Strip + Battery Monitoring + 4 motors - all at the same time!
- 20x20mm board
- Weight 2.2 grams

※UART3 ( RX3 )
Use for Spektrum Satellite RX, Spektrum 1024/2048, SBUS, XBUS, SumD and SumH RX, etc.
※UART2/PPM - Serial RX or PPM RX + Telemetry
Use RX2 as PPM receiver. Use TX2 as telemetry output when using PPM.
Via Device Firmware Upload (DFU, USB) - windows

Required Software:

- A SPRACINGF3EVO.hex file (for flashing).
- Zadig USB driver installation -> [http://zadig.akeo.ie/](http://zadig.akeo.ie/)
- cleanflight Configurator

Flashing steps:

- Place the board into DFU mode by shorting out (soldering or screwdriver) the boot pins on top of the board. Your device will be detected as a STM Device in DFU mode (or STM BOOTLOADER).
- Load up Zadig USB driver and select the STM DFU or STM BOOTLOADER device (if it is not listed please confirm step 1, and / or select "Options / View All Devices" in the Zadig menu. Install the WinUSB driver.

Start Cleanflight Configurator. It should detect a DFU mode device on the Flash Firmware tab.
• Betaflight Configurator