

BLHeli Oneshot/Damped light guide by Kajakmannen

Many thanks to BannyUK for teaching me :)

How to flash Afro 12A (Not Opto, the one with BEC) with BLHeli Oneshot

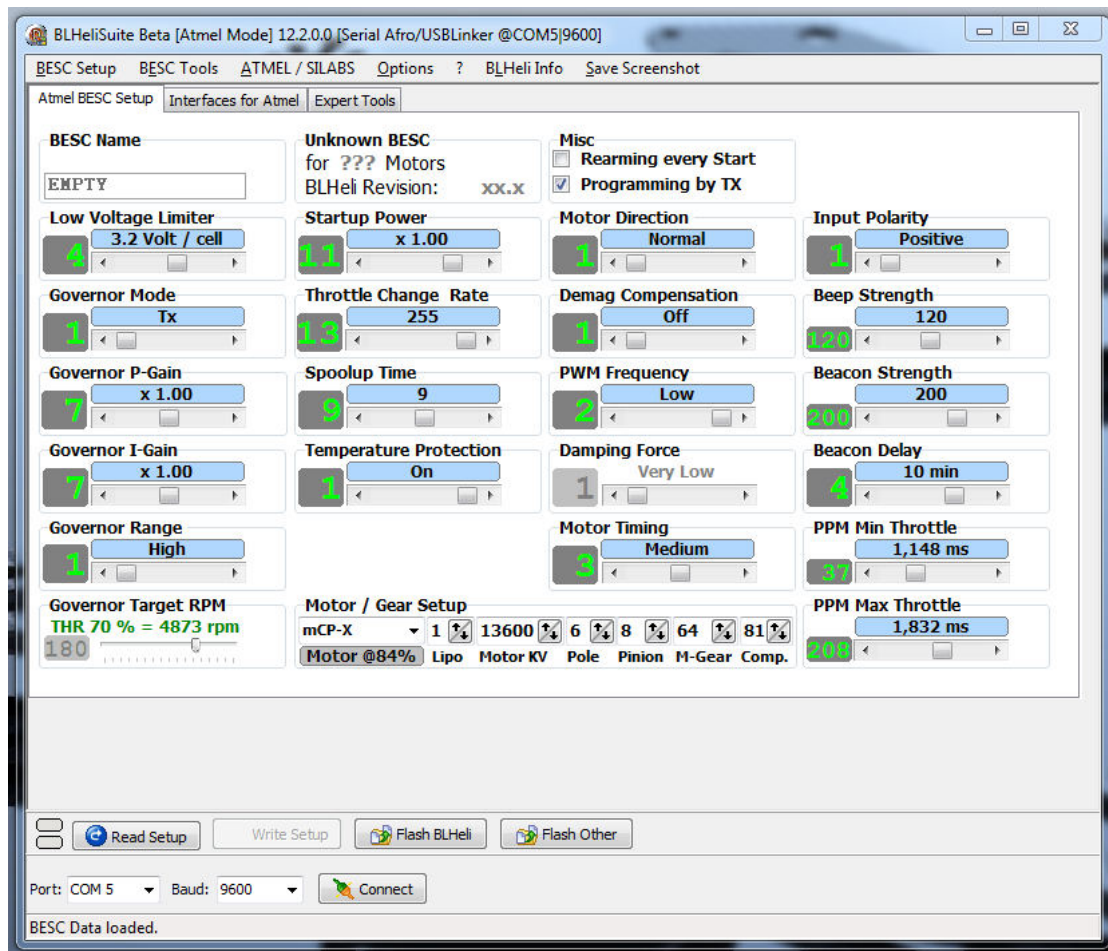
Required equipment:

- Afro 12A ESCs (not Opto)
- Afro Link USB programmer
- The BLHeliSuit program
- The right HEX files for BLHeli Oneshot

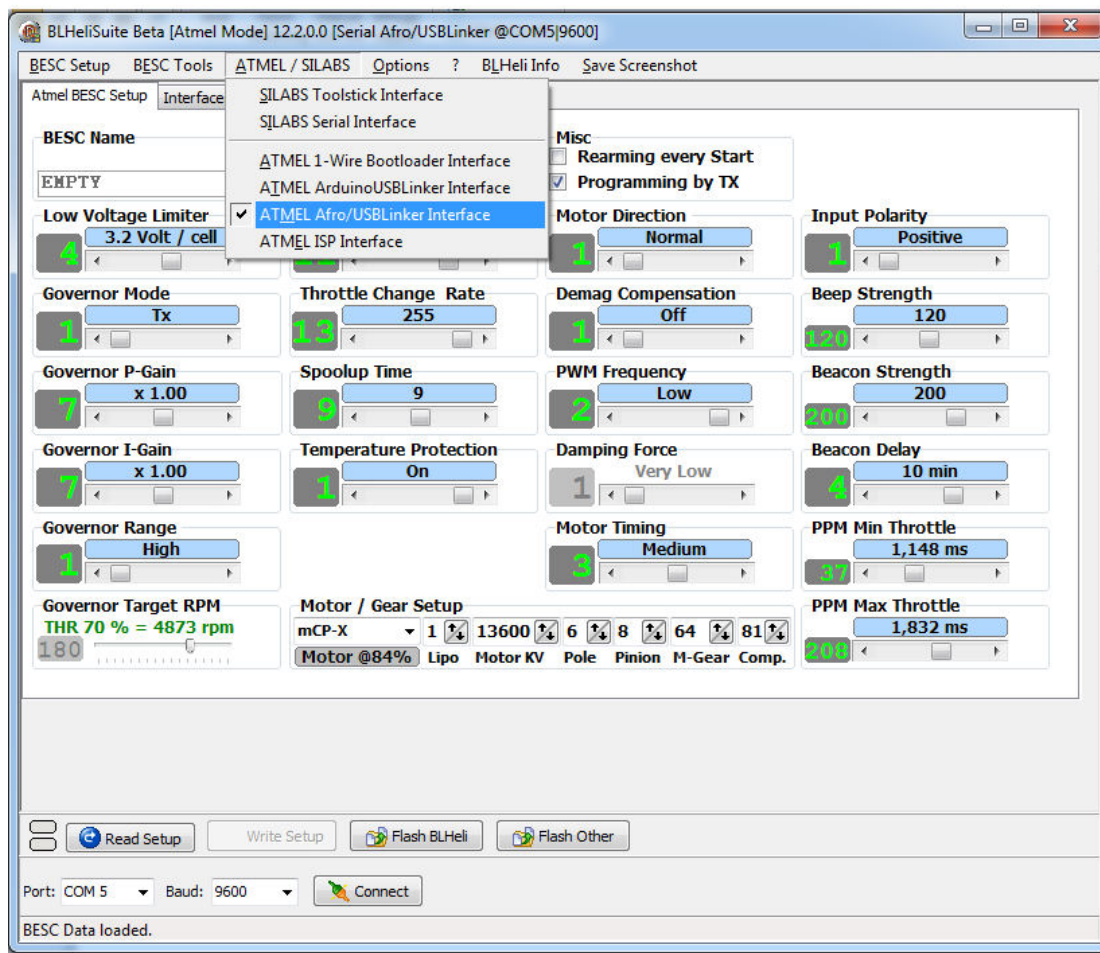
1) Disconnect all ESCs from Naze32 flight controller, disconnect all 5V plus wires from the connector on each ESC. IMPORTANT!!

2) Start up BLHeliSuit

You will see

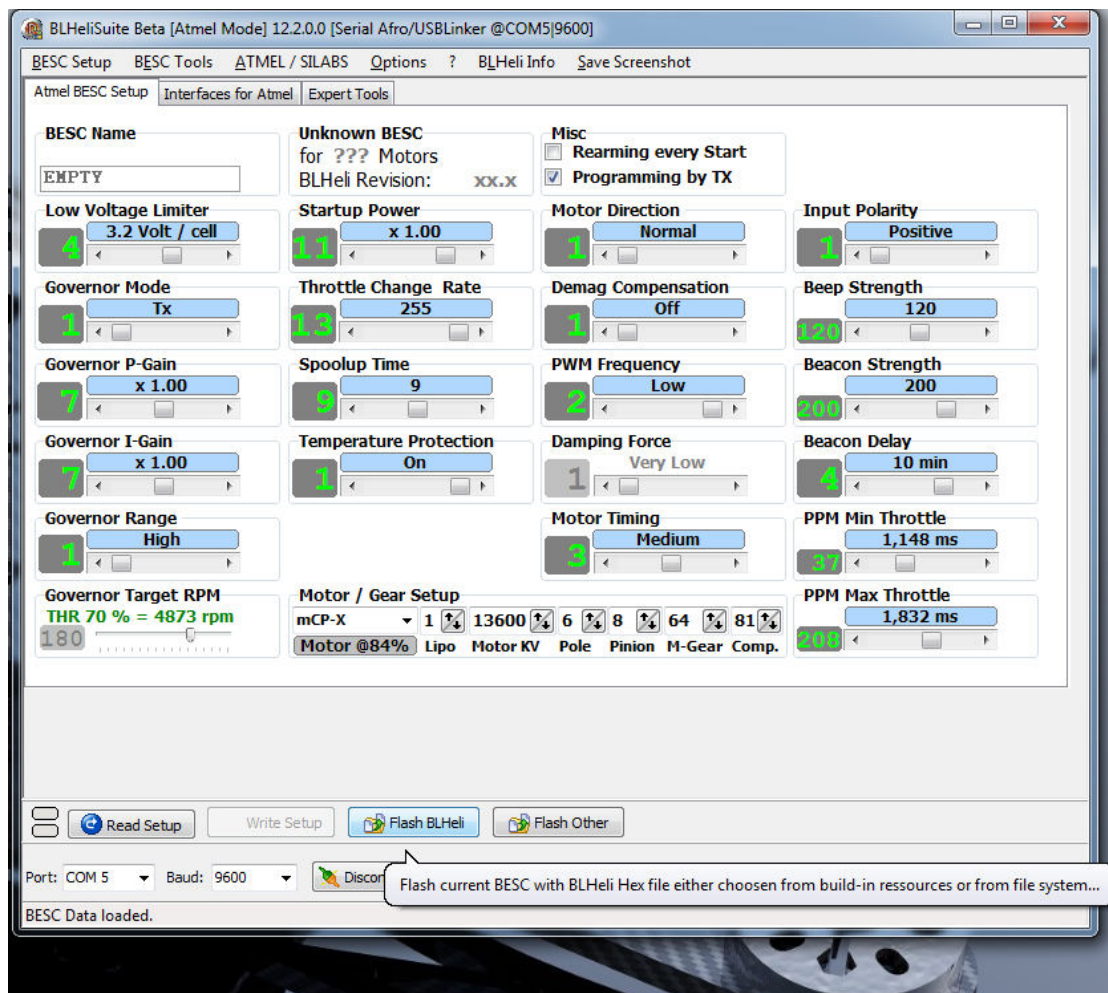


3) Under Atmel/Silabs section in the menu row, choose ATMEL Afro/USBLinker Interface

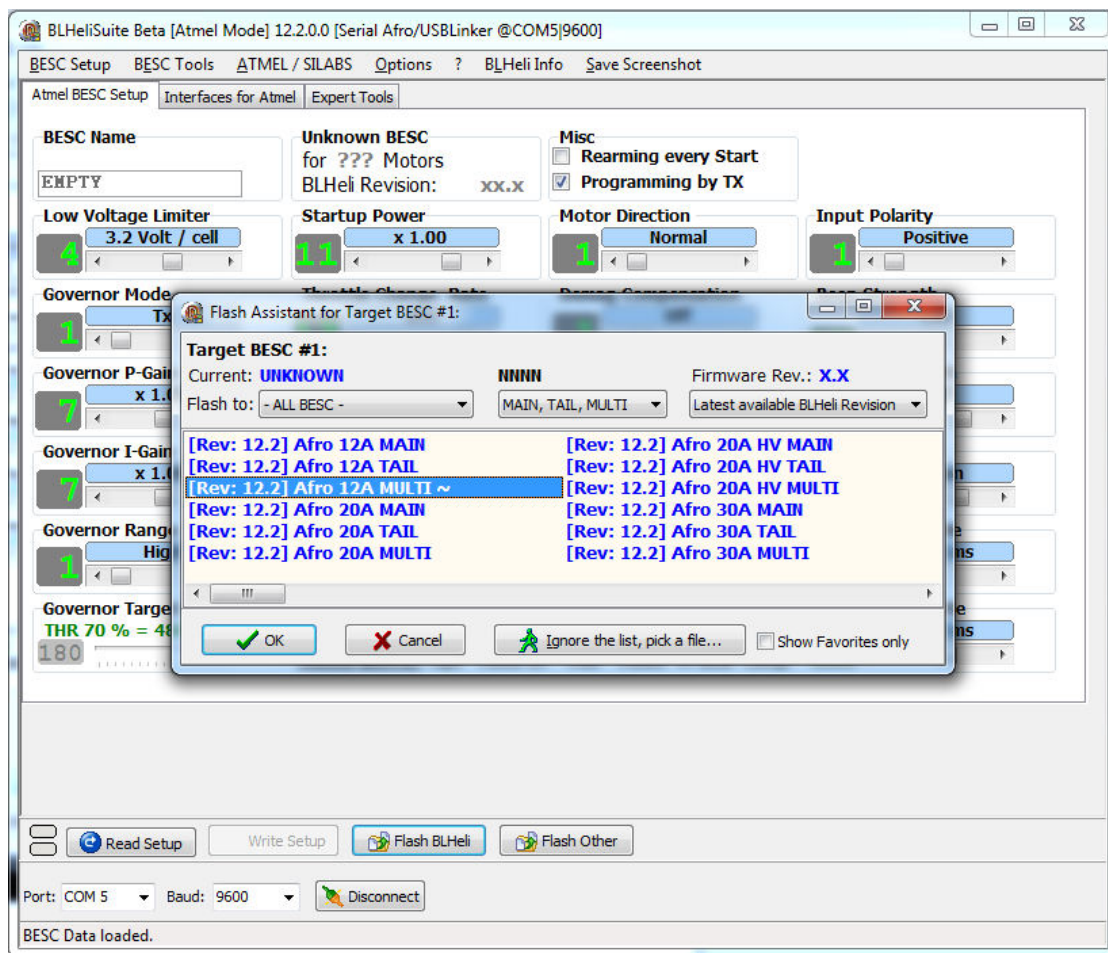


4) Connect the ESC with the servo connector (Only Ground and signal wire in the connector) to the Afro USB Linker programmer. Connect the Battery to the ESC adm make sure the right Port is active and press connect.

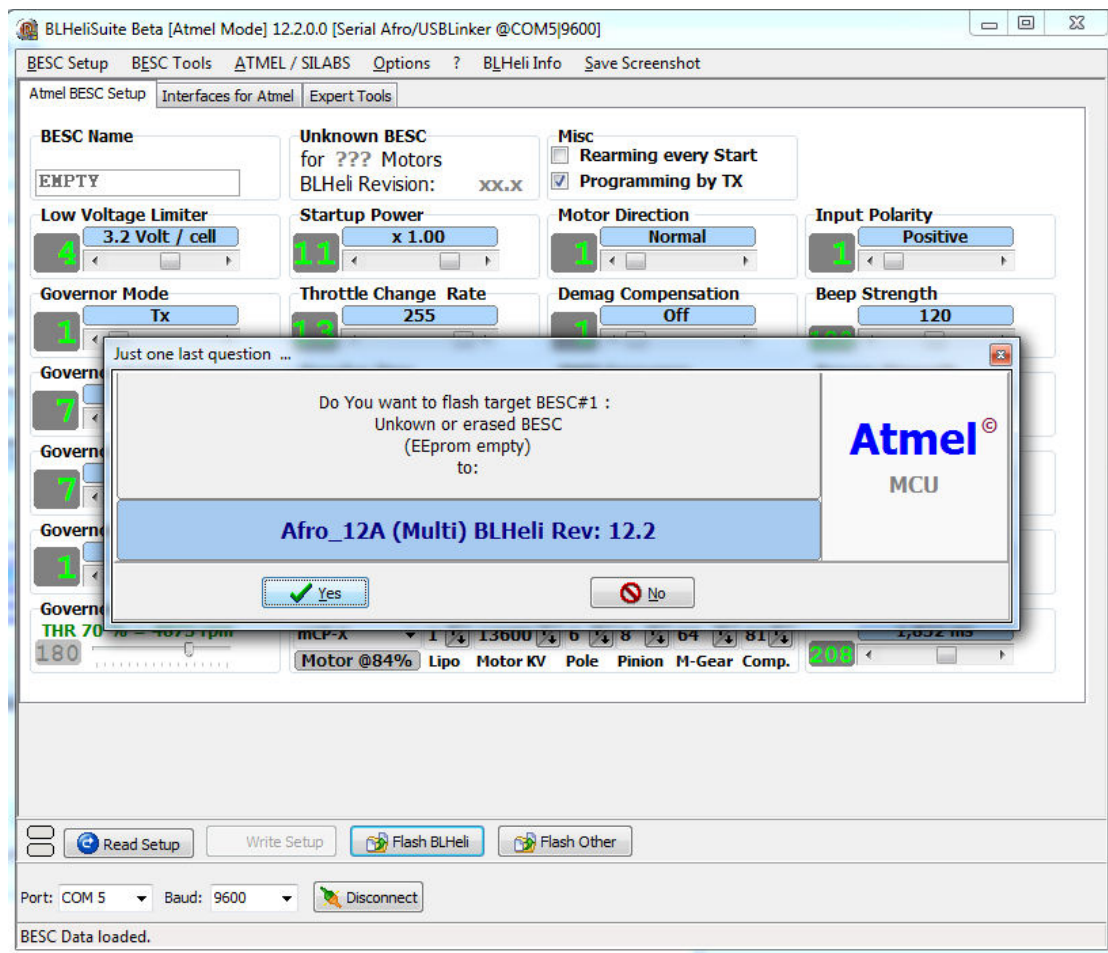
5) Press Flash BLHeli button



6) Choose Rev:12.2 Afro 12A MULTI~ and press ok button

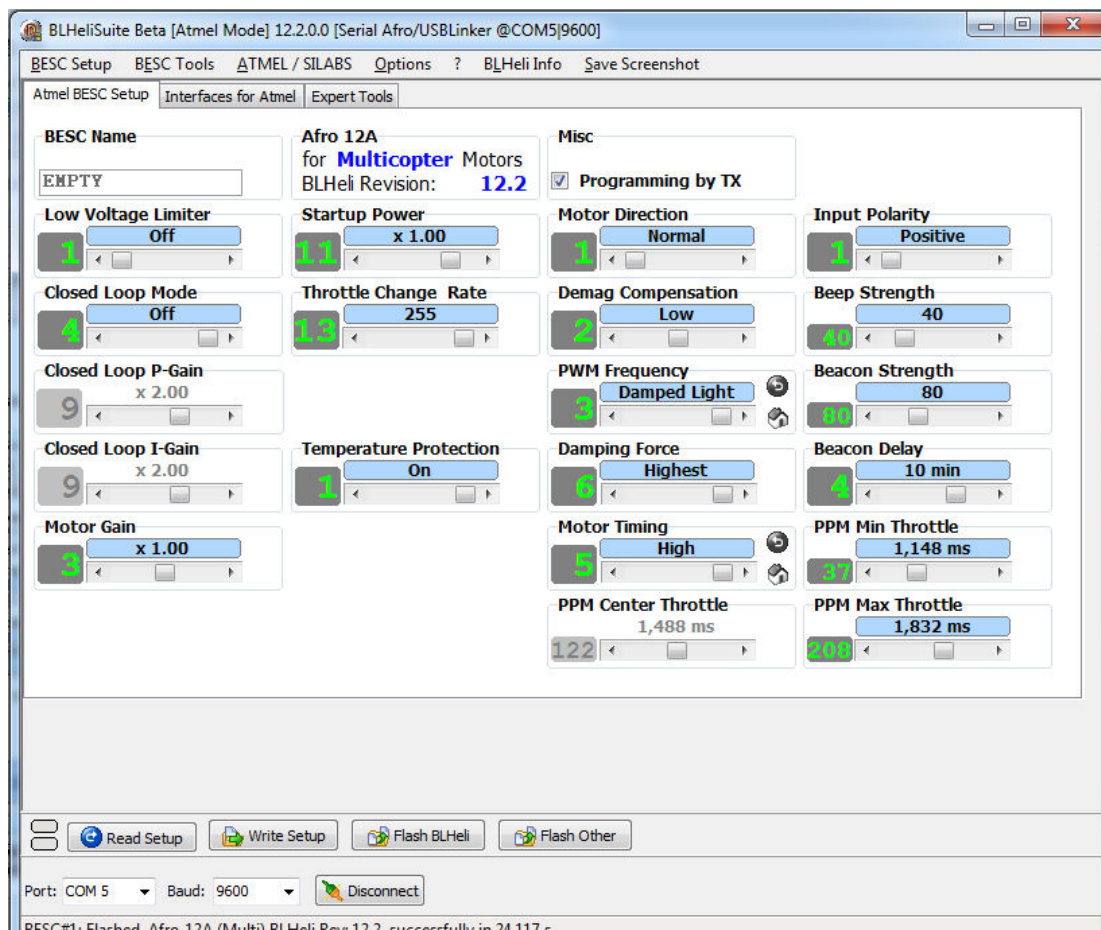


7) Press OK again to start Flashing of ESC



8) After the flashing is done and result have been read and you get confirmation on that all is good. You have to adjust some parameters to get breaking (Soft damping).

- Draw up Motor Timing to High
- Draw up PWM Frequency to Max and "Dampen Light" will be activated.
- Make sure that Damping force is Highest.



Make sure to push "Write Setup" and then "Disconnect"

9) OBS!!! Before you connect the ESC to the naze32 flight controller, make sure you connect the Naze32 flight controller to Cleanflight and activate Oneshot!!

When Oneshot is activated and save disconnect the FC and install ESC wires as they should be on the FC.

10) Grab a beer and lean back and get prepared for the best performing quad you have ever flown ;) haha

And remember to "Fly it like you stole it"!

BR/ Kajakmannen