



This LOS quad was built using a GW008 (skull drone) FC with CG023 firmware, buck regulator from Banggood, DYS 1306 4000kv motors, Gemfan 3545 props, XM10A escs, 450mAh 3S Nanotech battery and a 140mm frame from Armattan Productions. It weighs 99.9gm and the battery is 40.7gm, AUW is 140.6gm. The other battery I use is an 850mAh 3S weighing 71.5gm, AUW 171.4gm.



Some of the firmware settings are - gyro lpf 41Hz, soft lpf 2nd 88Hz, motor filter on, PPM ESC freq 400Hz, HW I2C speed fast, motor min 0.12.

```
The current PID's (tuning is still in progress):  
float pidkp[PIDNUMBER] = { 4.0e-2 , 4.0e-2 , 1.4e-1 };  
float pidki[PIDNUMBER] = { 1.7e-1 , 1.7e-1 , 0.7e-1 };  
float pidkd[PIDNUMBER] = { 3.9e-1 , 3.9e-1 , 1.5e-1 };
```

From:  
<http://sirdomsen.diskstation.me/dokuwiki/> - Silverware Wiki

Permanent link:  
[http://sirdomsen.diskstation.me/dokuwiki/doku.php?id=more\\_brushless\\_setup\\_info3&rev=1472376125](http://sirdomsen.diskstation.me/dokuwiki/doku.php?id=more_brushless_setup_info3&rev=1472376125)

Last update: **2016/08/28 11:22**

