

Week10

We tuned our motors and set different calibration values to them. We made it quite good control for moving straightly on Sunday, and we could also control it hover around one meter high successfully several times. (In fact, we did success several times on class)

During last class, however, we first got stuck by the unconnected PWM board.

- We can send PWM values to the quadrotor, and we can change values by using joystick, but our quadrotor just did not respond our orders. We printed out the pwm values sent to quadrotor and it read all right, but the motor just did not work at all.

We changed some wirings connected to the PWM board and that did not work. Thus, we changed our whole board with one from another quadrotor.

Then we found sometimes the quadrotor would lose messages, and that would lead to quadrotor crashing down suddenly from sky. For this problem, we change a new SIM card.

Another problem was, when we fly the quadrotor, it might suddenly turn over and quit. That break one of our motor arms.

– Felix-kim 50%

– Mengjiao Hong 50%

We learn and do everything together, and contribute evenly to our job.

Thank you, Mike. You are quite nice and helpful. I've learn a lot from this course and got a lot of fun. I'm quite sure I can make a very good quadrotor with good control next time if I have enough time. Thanks again!

Nice Summer,
Mengjiao