

EE 183DB Week3 Plan

Team Daphne

Jerry Duan

Kevin Fan

Likai Wei

Week 2 Progress

- PCB board soldering and testing (in progress)
- Learn about control algorithm of quadcopter
- Quadcopter frame assembled
- ESC (Electrical Speed Controller) arrived
- Ordered micro motors to test waterproofing (will arrive Wed.)

Week 3 To do's

Likai: Finish PCB soldering and test connections to guarantee that it works.

Test whether 8.5mm motors can work underwater

Kevin: Learn about quadcopter control and help implementing

Jerry: Write the code to control quadcopter

Challenges

1. Large motors are still shipping(...)
2. As mentioned last week, the choice between large and small quadcopters
 - We decided to start with small quadcopter (hopefully make it fly before Week 6)
 - Easier to implement and waterproof
 - Easier to test underwater
 - Cannot carry camera
 - Will try different ways for control interaction, such as: Physical controller, laptop serial ports, web based control,etc.