

Radio Flyers

EE 41440

20 January 2012

Agenda 01-20-12

- I. Part Orders
 - a. Triple Axis Accelerometer Breakout - ADXL345
 - i. <http://www.sparkfun.com/products/9836>
 - b. MediaTek MT3329 GPS 10Hz + Adapter Basic
 - i. <https://store.diydrones.com/ProductDetails.asp?ProductCode=MT3329-02>
 - c. Barometric Pressure Sensor
 - i. <http://www.sparkfun.com/products/9694>
 - d. 12 Channel 900 MHz Tx/Rx video system with CCD camera
 - i. http://www.hobbyking.com/hobbyking/store/uh_viewItem.asp?idProduct=13438
 - e. Turnigy 9 Channel Radio
 - i. http://www.hobbyking.com/hobbyking/store/uh_viewitem.asp?idproduct=8992
 - f. Possible Quadrotors
 - i. http://www.amazon.com/Draganflyer-Complete-Airframe-Motors-Rotors/dp/B0016N2X0A/ref=sr_1_1?ie=UTF8&qid=1323453394&sr=8-1
 - ii. <http://www.diybin.com/products/DFRobot-X650-XAircraft-Standard-Glass-Kit.html>
 - iii. <http://www.dronesvision.com/gauai-500x-foldable-quadcopter-combo-kit-including-motors-escs-storage-bag-protection-frame-gu-344/>
- II. Board Design
 - a. Layout (Sections of the board)
 - i. Aside from sensors and microprocessor, what else should be added?
- III. Algorithm
 - a. Physical Flight Dynamics
 - b. Mathematical Application