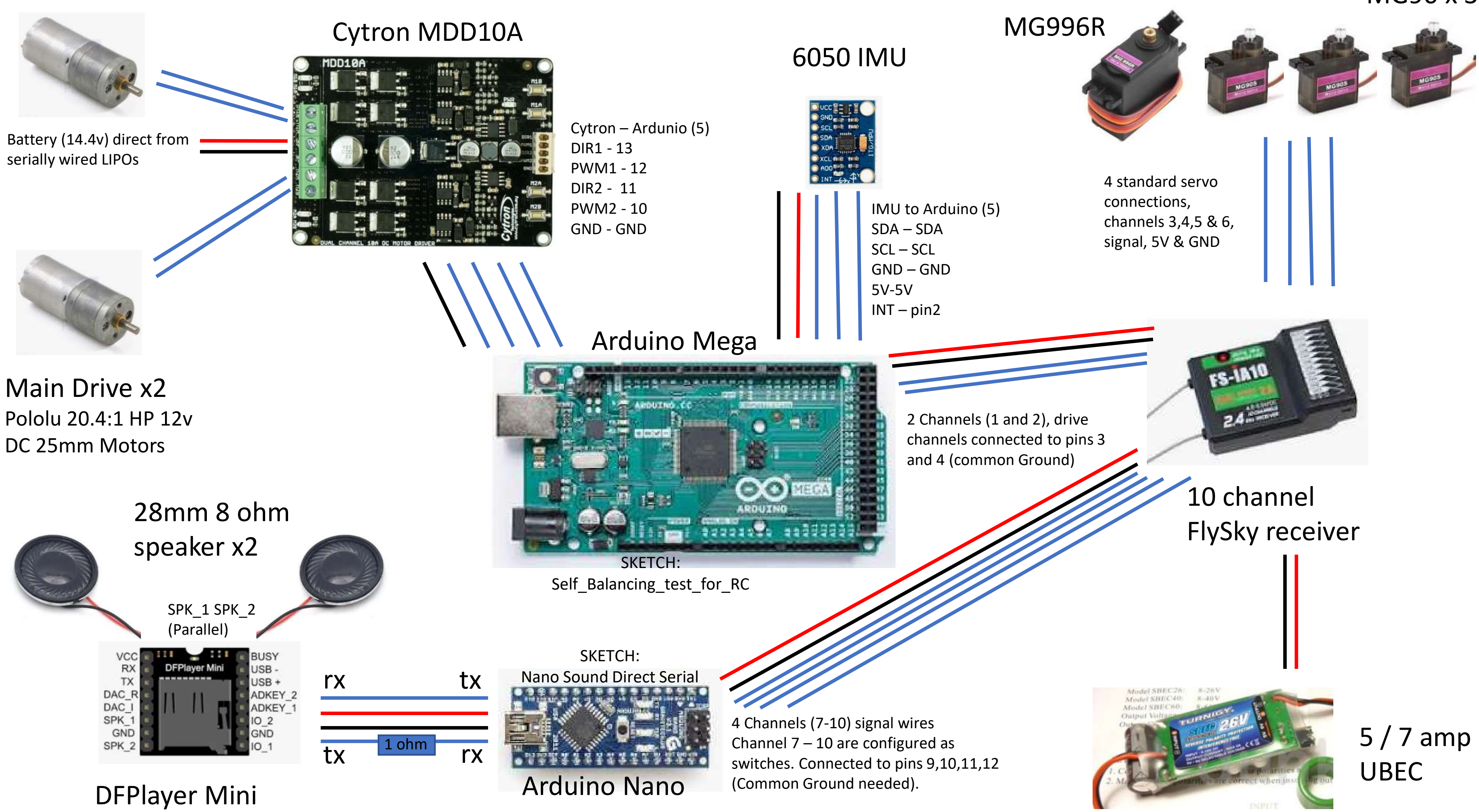
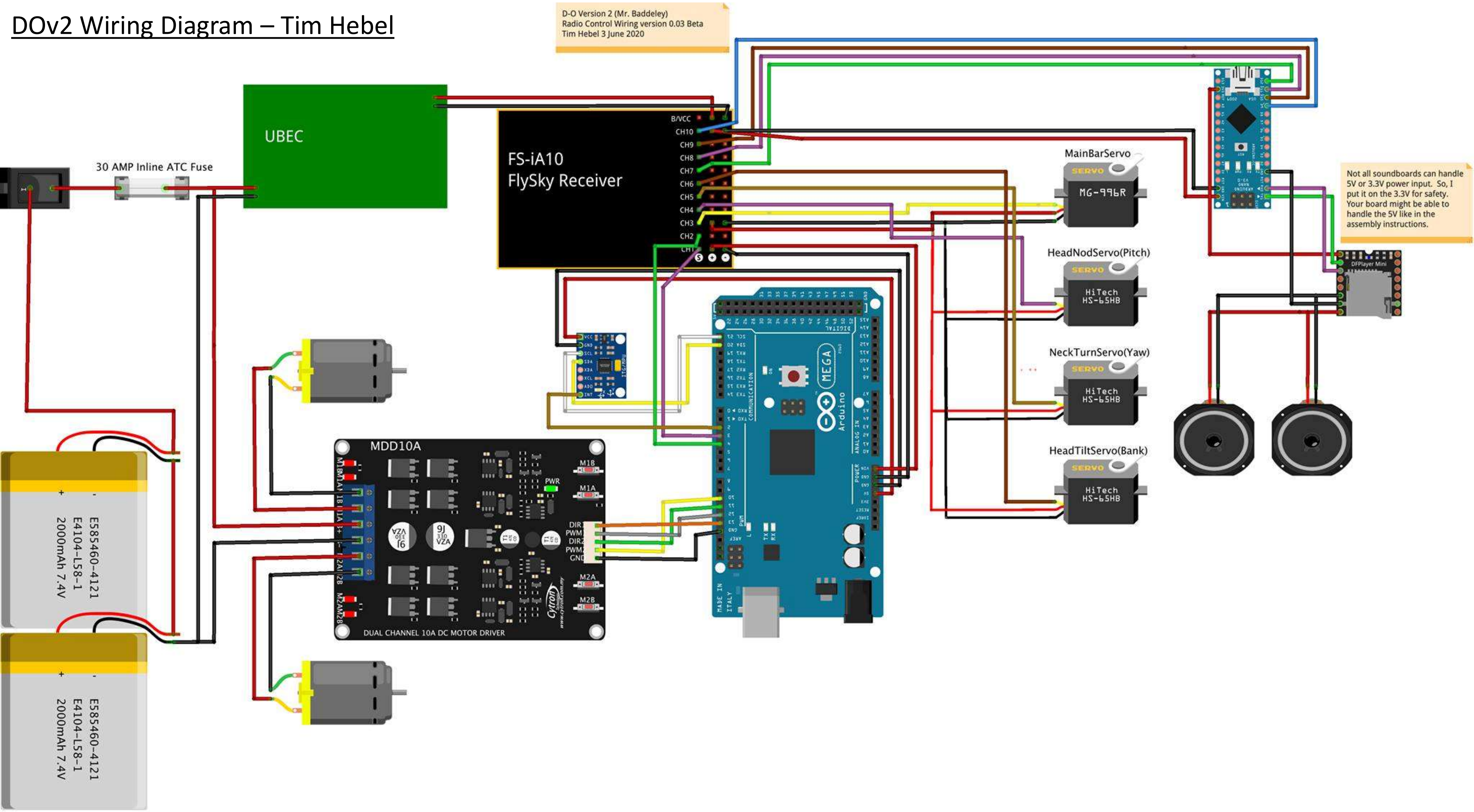
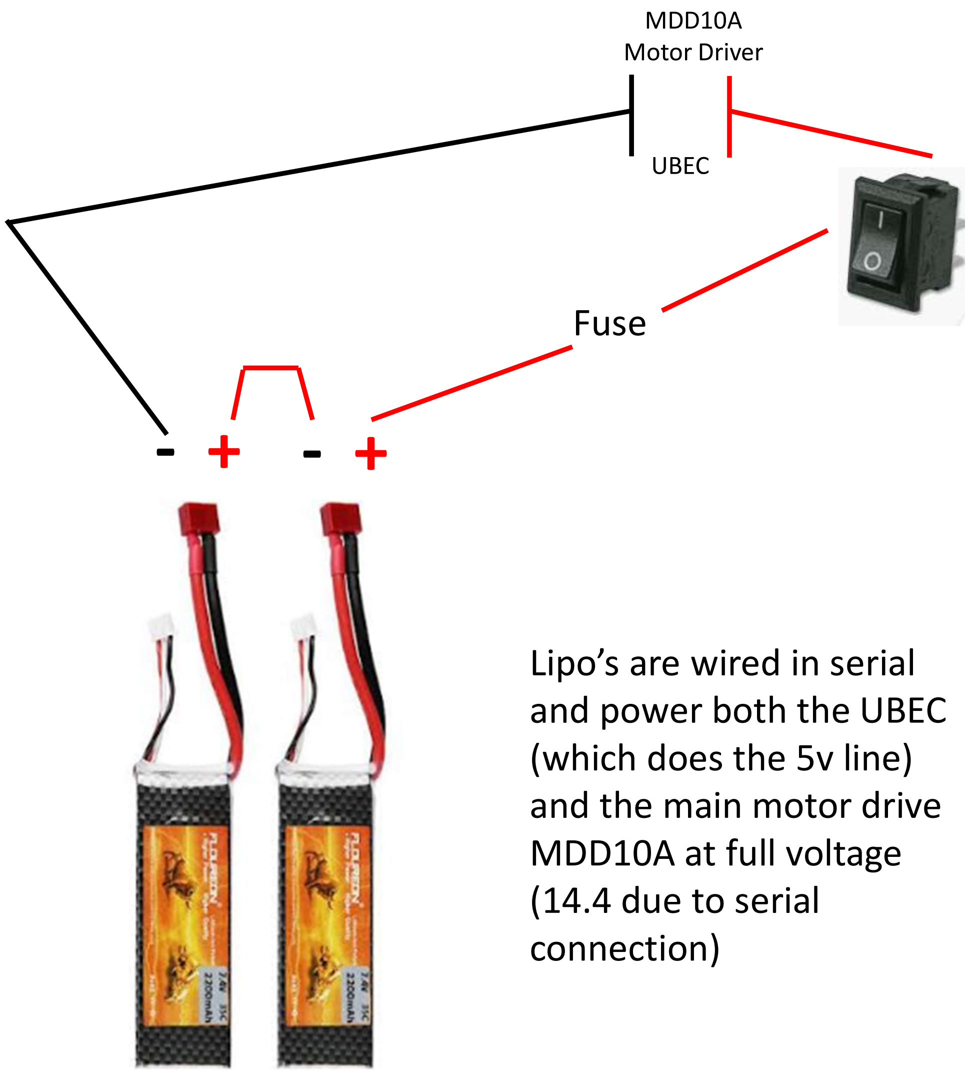
DO-V2 electronics and wiring (Logic)



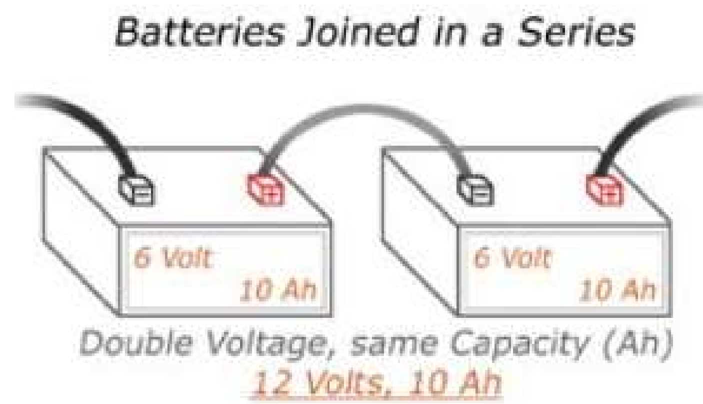
DOv2 Wiring Diagram – Tim Hebel



<u>DO-V2 Power</u>



Lipo's are wired in serial and power both the UBEC (which does the 5v line) and the main motor drive MDD10A at full voltage (14.4 due to serial connection)



General Safety Guidelines

1) **NEVER** use a NiCd/NiMH charger to charge LiPo batteries. Use a charger designed for Lithium Polymer (LiPo) batteries only.
2) **ALWAYS** inspect the battery to ensure there are no signs of damage, deformity, or swelling before charging. If there are, do not continue charging the battery, and follow the proper procedures to dispose of the battery.
3) **ALWAYS** charge batteries in a fireproof container and away from combustible material. Do not charge on surfaces that can catch fire – this includes: wood, cloth, carpet, or in the application's device.
4) **NEVER** charge batteries unattended. Always remain in constant observation of the charging process & react to potential problems that may occur.
5) If at any time you witness a battery starting to **balloon** or **swell:**
   a. Stop the charging process and disconnect battery immediately
   b. See Guideline 7 below - *follow steps a through c.*
   c. Follow proper battery disposal procedure
   d. Continuing to charge a battery that has begun to swell will result in fire. Likewise, never use a battery if you find it swollen upon purchase.
6) **NEVER** allow the battery's positive and negative leads to touch. This can cause the batteries to short and lead to fire!
7) In the event of a crash of the R/C model, if the battery exceeds a high temperatures:
   a. Disconnect battery immediately from the device
   b. Place it in an open non-flammable area.
   c. Observe it for approx. 30 minutes from a safe distance.
   d. If the battery appears to be stable (no signs of damage or swelling) proceed to put it back into your device and continue using with caution.