Notes:
1. Assembly should be performed by knowledgeable and skilled individual. SuperDroid Robots offers assembly services if you are not comfortable reading schematics and performing work.
2. Wire gauges depend on load and size of motors.
3. Fuse size depends on load and size of motors.
4. Switch should be rated for at least the same amount of current as the fuse.
5. To charge batteries unplug them and use charger or run parallel wire with plug for charger.
Battery

RC Receiver
Note In receiver connect:
1. 0 v to pin 3, 6, 9 or 12.
2. 5V to pin 2, 5, 8 or 11.

Arduino Pin Out
2 Dir FL
3 PWM FL
4 Dir FR
5 PWM FR
6 PWM RR
7 Dir RR
8 Dir RL
9 PWM RL
11 StrafeRC
12 DriveRC
13 TurnRC
46 (Front)S1
47 (Front)S2
48 (Rear)S1
49 (Rear)S2
50 MISO
51 MOSI
52 SCK

Dual Encoder Breakout Board

Notes:
1. Assembly should be performed by knowledgeable and skilled individual. SuperDroid Robots offers assembly services if you are not comfortable reading schematics and performing work.
2. Wire gauges depend on load and size of motors.
3. Fuse size depends on load and size of motors.
4. Switch should be rated for at least the same amount of current as the fuse.
5. To charge batteries unplug them and use charger or run parallel wire with plug for charger.
7. If Battery is 12V you can connect the 2.1mm jack from the arduino to the 12V Bus.