* HC-06 Bluetooth Wireless Serial Transceiver Communication Module for Arduino
* Arduino uno
* **L298N Dual H Bridge Motor Driver**

Setup:

<https://howtomechatronics.com/tutorials/arduino/arduino-robot-car-wireless-control-using-hc-05-bluetooth-nrf24l01-and-hc-12-transceiver-modules/>

<https://howtomechatronics.com/tutorials/arduino/arduino-dc-motor-control-tutorial-l298n-pwm-h-bridge/>

~~servo:~~

[~~https://www.mouser.co.uk/ProductDetail/Seeed-Studio/316010005?qs=1%252B9yuXKSi8AGe7lhIQBC3g%3D%3D&vip=1&gclid=Cj0KCQiA2vjuBRCqARIsAJL5a-K1ZbqydQxkmuIamHmb-\_8\_6CzPxc-476yRkfVv7k3PapFQSmZd9VAaAnG3EALw\_wcB~~](https://www.mouser.co.uk/ProductDetail/Seeed-Studio/316010005?qs=1%252B9yuXKSi8AGe7lhIQBC3g%3D%3D&vip=1&gclid=Cj0KCQiA2vjuBRCqARIsAJL5a-K1ZbqydQxkmuIamHmb-_8_6CzPxc-476yRkfVv7k3PapFQSmZd9VAaAnG3EALw_wcB)

~~servo instructions:~~

[~~https://www.instructables.com/id/Arduino-Servo-Motors/~~](https://www.instructables.com/id/Arduino-Servo-Motors/)

# LiCB 23A A23 12V Alkaline Battery (10PCS)

<https://www.amazon.co.uk/LiCB-23A-Alkaline-Battery-10-Pack/dp/B07DHMNC9M/ref=sr_1_10?keywords=12v+battery&qid=1575466666&sr=8-10>

will have 2V voltage drop at motor driver 🡪 using 12V battery, motors will receive ca. 10V with peak current of 2A => each motor will max have 20W (40W) total

* This means that we could limit power to 15W each by reducing max PWM signal which would let motors receive less than max possible voltage

# 2 Pcs Smart Robot Car Tyres Wheels For Arduino TT Gear Motor Chassis

<https://www.amazon.co.uk/Smart-Robot-Wheels-Arduino-Chassis/dp/B00Q6ZHCHM/ref=sr_1_fkmr0_2?keywords=high+friction+wheels+arduino&qid=1575467243&sr=8-2-fkmr0>

2 Pcs Smart Robot Car Tyres Wheels For Arduino TT Gear Motor Chassis  
  
Feature:  
  
With inner tyre  
Diameter: 68mm  
Width: 26mm  
Centre hole: 5.3 x 3.66mm (two sides is semicircle)  
Weight: 50g

Battery case:

<https://www.ebay.co.uk/i/163762505503?chn=ps&norover=1&mkevt=1&mkrid=710-134428-41853-0&mkcid=2&itemid=163762505503&targetid=519877033806&device=c&mktype=pla&googleloc=9045903&poi=&campaignid=7412990551&mkgroupid=76068633970&rlsatarget=pla-519877033806&abcId=1139356&merchantid=138813382&gclid=EAIaIQobChMI1I7jsI-c5gIVSdHeCh2sZQNwEAQYASABEgISovD_BwE>