

How to Connect your L298N Motor Driver, HC-05 Bluetooth & IR, to your Robot Buggy

<https://circuitbest.com/how-to-make-bluetooth-controlled-car-using-arduino/>

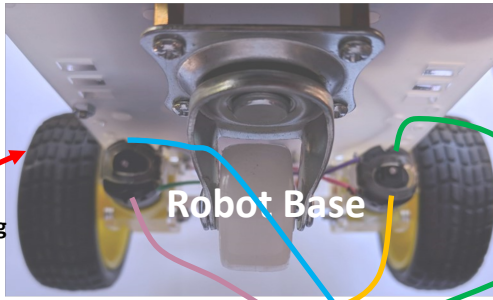
NOTE - I modified the circuitbest code with LED's & Horn, to match the Bluetooth app.



IR Controllers



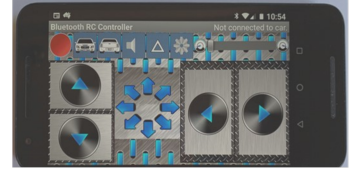
Note— View underneath, looking from swivel back wheel end, towards the front, Motor tabs



Robot Base

Pat McMahon—V1 - 25/3/2021
For Scorpio Technology
Using 1 X 9V (6 x1.5V) Battery Pack

Go to Google Play and install the Arduino Bluetooth RC Controller



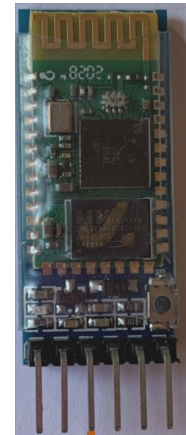
<https://play.google.com/store/apps/details?id=braulio.calle.bluetoothRCcontroller&hl=en>

- 1— Open App.
- 2— Open Settings.
- 3— Connect to Car.
- 4— Select HC-05

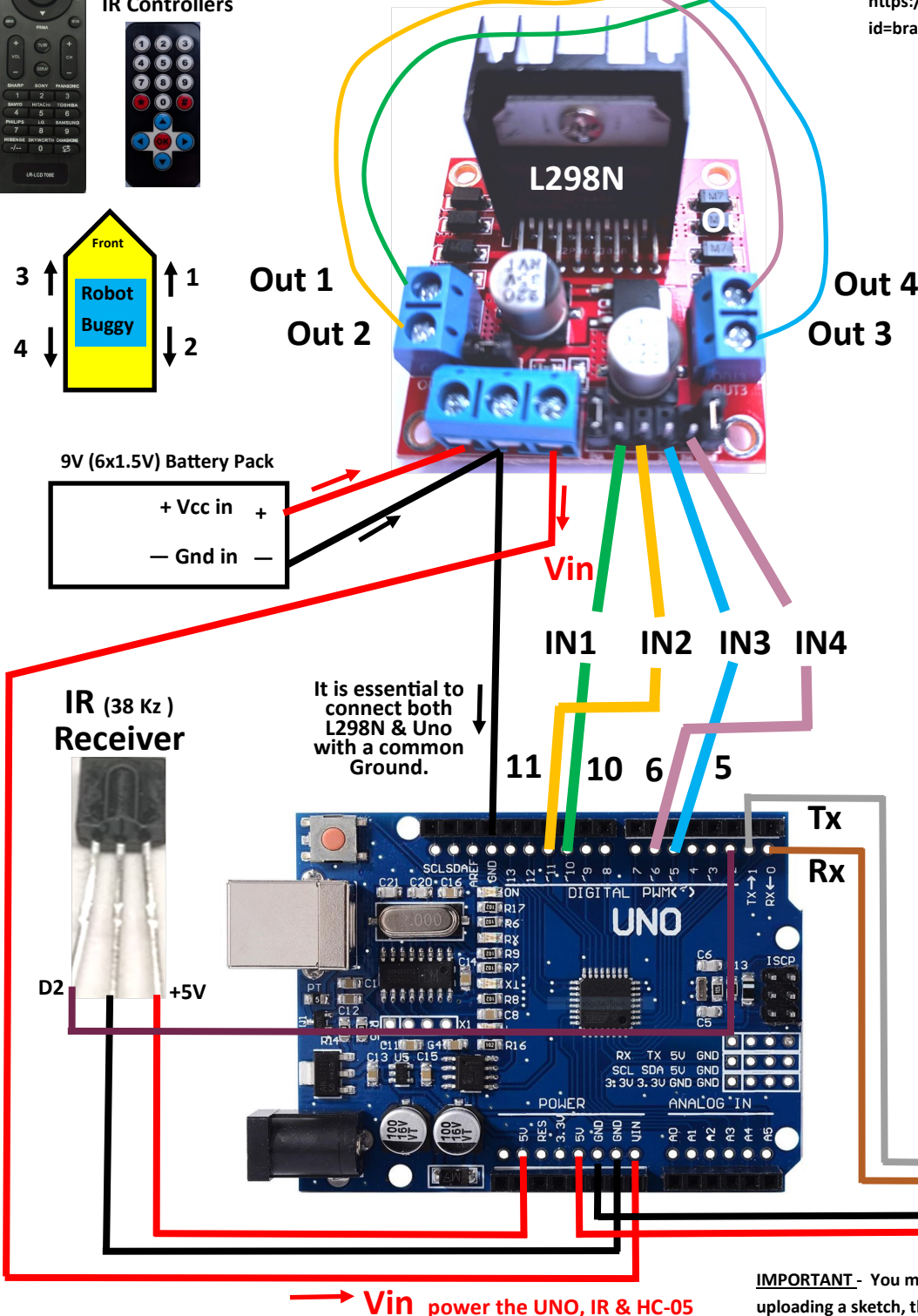
The **RED** dot in the top left hand corner of your device will turn **GREEN** when connected and paired to Bluetooth.

HC-05 Bluetooth Module

(Outer Pins not used)



Rx Tx Gnd 5V



It is essential to connect both L298N & Uno with a common Ground.

→ Vin power the UNO, IR & HC-05

IMPORTANT - You must disconnect the HC-05 before uploading a sketch, then reconnect to run, as they both share the Rx and Tx pins

Note- Diagrams not to Scale.