

ECOino

A Bluetooth Controlled Arduino Car

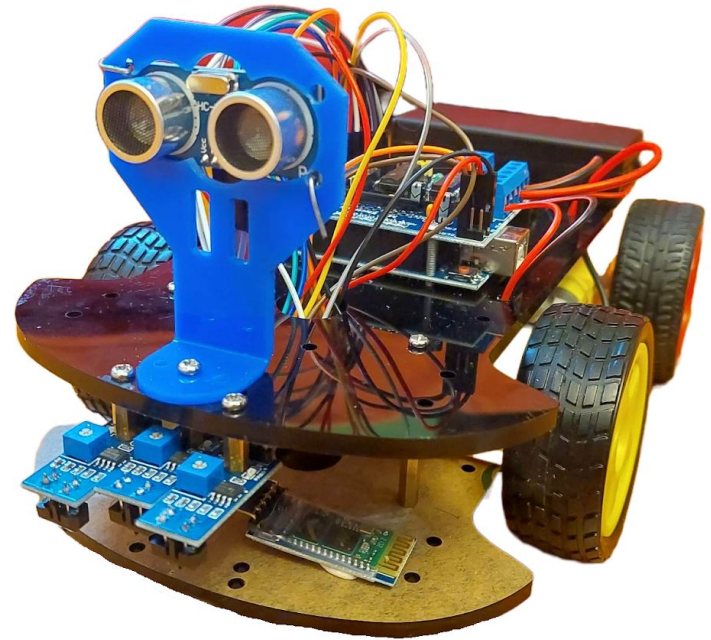
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Functionality

- Remote Control
- Obstacle avoidance
- Line following

All controlled through a **custom** Android app!





Eco Friendly



[image source](#)

Controlled from Phone App

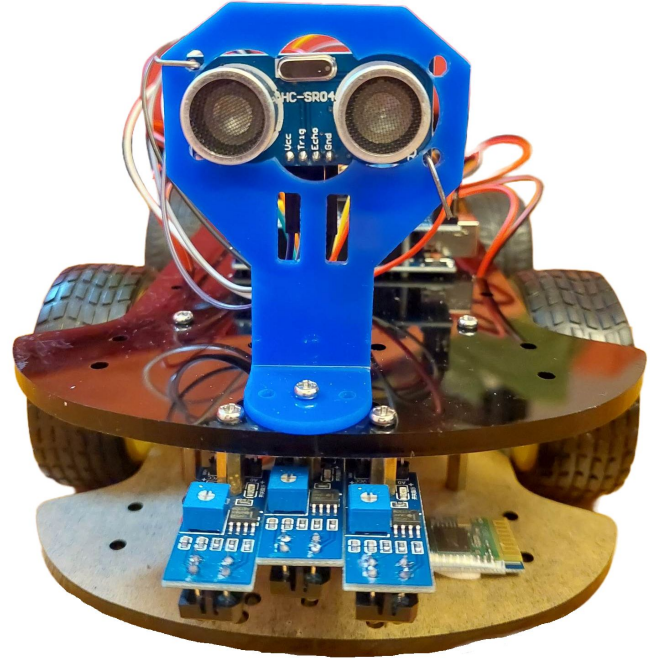


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Rechargeable Batteries

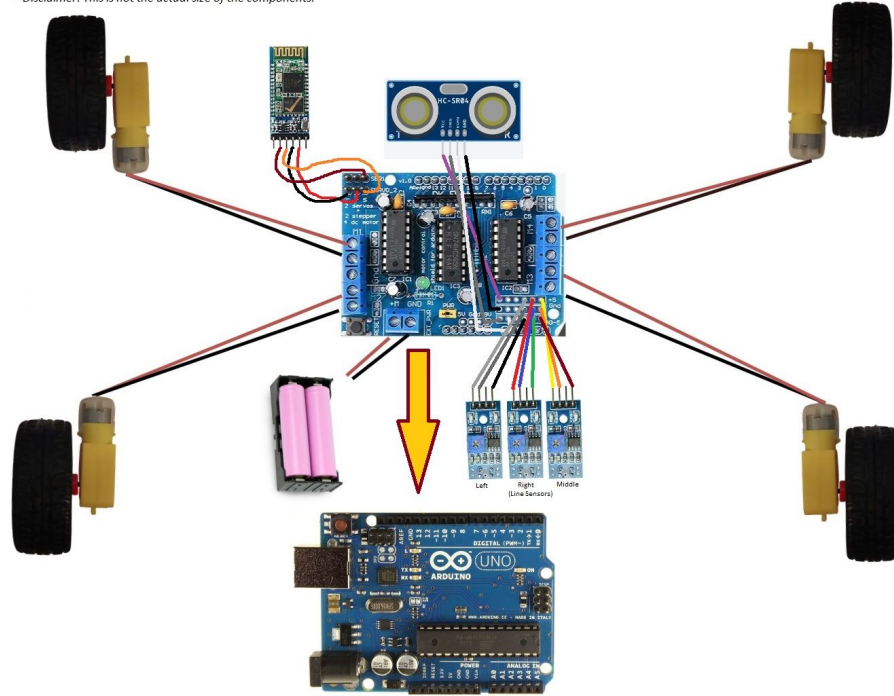
Components Used

- Ultrasonic Sensor
- 3 Line Sensors
- 4 motors (with wheels)
- 2 3.7 Volt Rechargeable Batteries
- Bluetooth Module
- View full list of components [here](#)



Circuit Diagram

** Disclaimer: This is not the actual size of the components.*



Software Used



[image source](#)

Arduino IDE



[image source](#)

Android Studio



Arduino AFMotor Library

AFMotor Library contains methods for handling motors:

```
motor.setSpeed(0);  
motor.run(RELEASE);
```



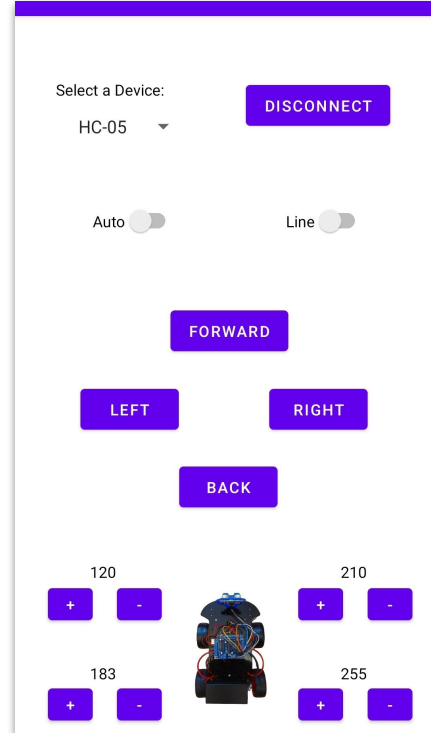
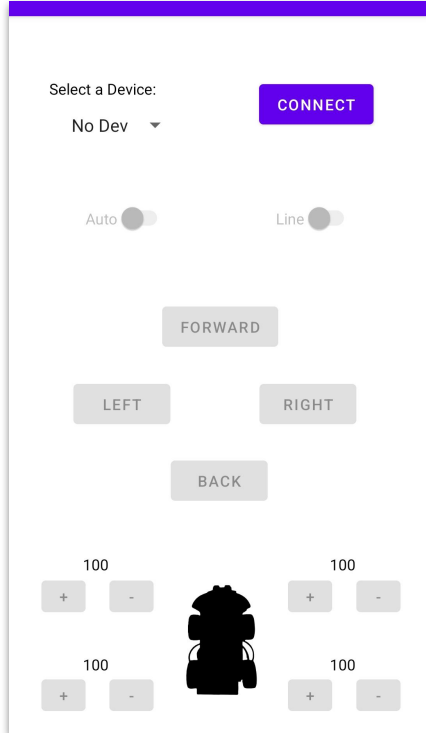
[image source](#)

```
motor.setSpeed(100);  
motor.run(FORWARD);
```



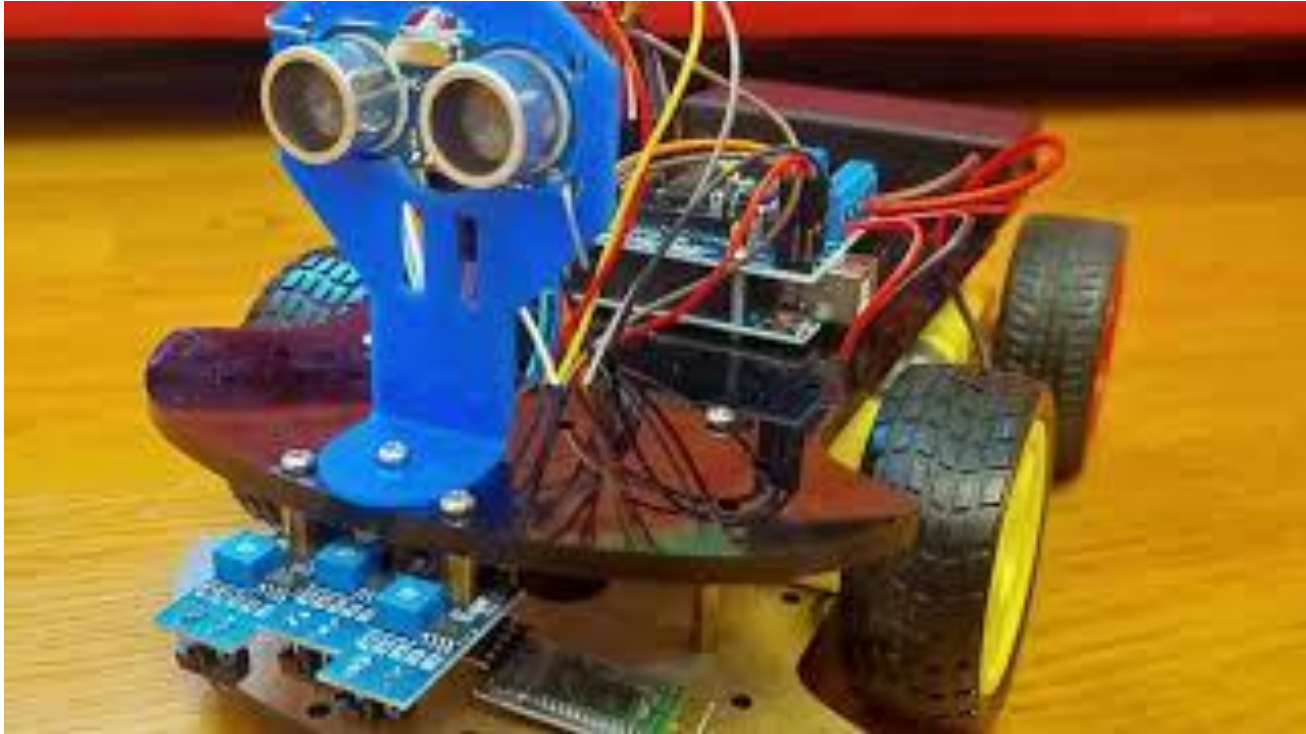
* speed range 0 – 255

Android App



User can also control the **velocity** of each motor!

[Video Showcase \(Youtube\)](#)



Source Code (& video link)

- [Github repository](#)
- [Project Documentation](#)
- [Video showcase](#)



**Thank you for
your time!**

