

WolfieWeb Raspberry Pi Robot Car – Wiring Guide

Motor Driver Wiring (Pi → Driver):

- GPIO17 -> IN1
- GPIO18 -> IN2
- GPIO22 -> IN3
- GPIO23 -> IN4
- Pi GND -> Driver GND

Motors → Driver:

- Left motor OUTA1/OUTA2
- Right motor OUTB1/OUTB2

Ultrasonic Sensor (HC-SR04):

- VCC -> 5V
- GND -> GND
- TRIG -> GPIO24
- ECHO -> GPIO25 (via resistor divider)

Always power motors from a separate battery, not Pi 5V rail.