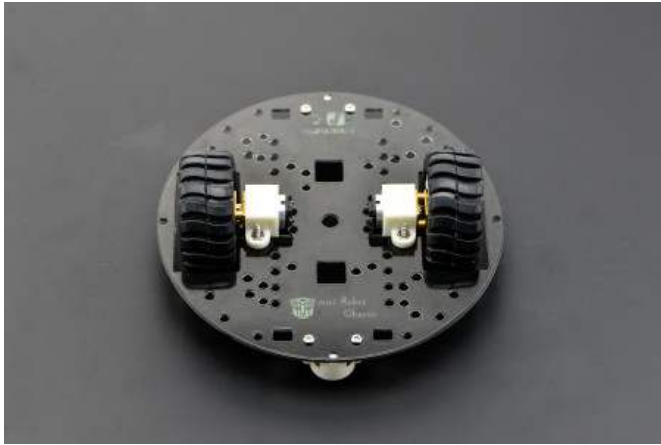




2WD miniQ Robot Chassis

SKU: ROB0049 Brand: DFRobot

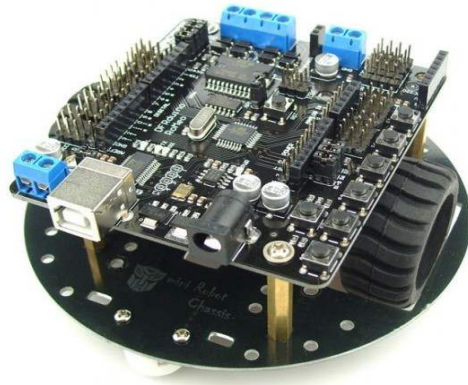


INTRODUCTION

2WD miniQ robotic platform is especially designed for students and hobbyists. It's versatile and small, suitable for most indoors applications. It features high quality and powerful metal gear motors which make it a speedy robot. It is ideal for maze competition and educational courses, and is very easy to assemble, check out our assembly video below. Only requires 8 screws to get the job done and you can use our sample codes on our Wiki pages.

If you are planning to get started building a robot, as a proof of concept, its small body and light weight makes it a great choice. This robot can easily be used and tested on a desk or small area, easily assembled and expanded. An extra set of stand off and screws might come handy. It's round shape helps when moving around objects, avoiding obstruction. The platform has convenient drillings that helps placing sensors or other screwable parts like custom designed casing.

To drive this robot, you may need the [Romeo](#), the [Romeo BLE](#), or standard arduino with [motor shield](#).



miniQ with Romeo



MiniQ with Motor Shield, DFRduino and expansion shield.

SPECIFICATION

Chassis Specification

- Chassis Diameter:122mm (4.8")
- Ground Clearance: 15mm (0.6")
- Wheel Diameter:42mm (1.65")

Motor Specification

- 13000 rpm @ No load
- 50:1 Gear ratio
- 260 rpm @ 6V
- 40mA @ 6V
- 360mA stall current @ 6V
- 10 oz inches torque @ 6V

SHIPPING LIST

- N20 Motors x2 (SKU:FIT0094)
- Rubber Wheels x2 (SKU:FIT0085)
- Universal ball caster Wheels x2
- MiniQ 2WD Chassis x1
- Motor brackets x2
- Screws x1set