



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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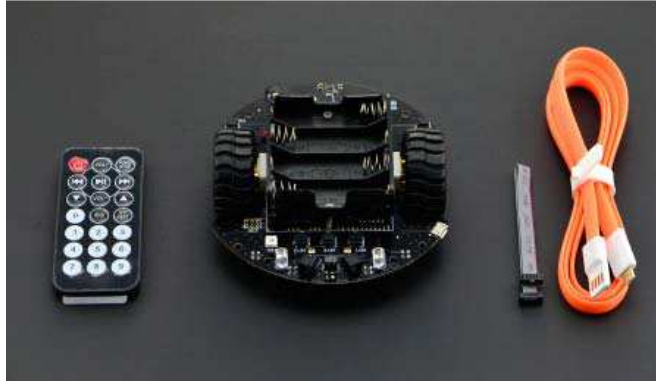
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## MiniQ 2WD Robot Kit v2.0 (Arduino Compatible) SKU:ROB0081



### INTRODUCTION

MiniQ product family is one of our most loved products, it's a complete robotic learning platform, with low cost and a good learning curve. This little robot kit provides most of what you need. From beginners to advanced users, MiniQ 2WD will get you started quickly in the robotics world and let improve or adapt as per your project requirements.

This upgraded version of MiniQ 2WD Kit comes with new Arduino Leonardo controller but also integrates useful modules such as buzzer, RGB LED, photosensitive diode, infrared LED receiver and compass. If you use Lithium battery, you can also use the charge port of MiniQ. This updated kit is more convenient for you to create a obstacle avoidance robot or direction detection robot.

This robot uses some of the most common sensors used on a multitude of tutorials and guides online. It comes fully assembled and ready to program some of our very useful sample codes. We've also created a new set of learning materials for you so that you can start right away!

Notice: USB is just for debugging so you'd better not use USB for power supply for a long time

## **FEATURES**

- Micro USB for download the code(bootloader: Leonardo)
- A compass inside
- WS2812 RGB LED for controlling the color by only one pin
- Soft buttons for giving you more comfortable feeling
- Two Infrared transmitters and 1 infrared receiver for obstacle detection and avoidance. Also includes an IR remote control to easily control its features remotely
- IIC port(Gadgeteer) for communicate with other devices

## **APPLICATIONS**

- Education for school or other places
- Satisfy your hobby
- Learning Arduino

## **SPECIFICATION**

- Weight: 350g
- Power Supply: 4.5--6V
- Bootloader: Arduino Leonardo
- Line tracking sensors x5
- Photosensitive diode x2
- Very comfortable buttons
- WS2812 RGB LED
- Port Connector: IIC
- Size: 109\*122mm(4.29\*4.8")

## **SHIPPING LIST**

- 2WD MiniQ V2.0 x1
- IR remote control x1
- Micro USB Cable x1
- Gadgeteer Cable x1