



# ESP8266 Intelligent car kits

ZYC0057---Product introduction

## Introduction

Nowadays, technology education such as virtual reality, children's programming, and artificial intelligence has become the mainstream of the education industry. Therefore, STEAM education has been highly valued by people. Arduino is very famous in maker education. So what is Arduino? Arduino is an open source electronic platform based on easy-to-use hardware and software. The Arduino board is able to read inputs - lights on sensors, the pressing or releasing of buttons - and convert them into outputs - activating motors or turning on LED lights. Based on this, the Zhiyi Technology team has designed an ESP8266 smart car that is very suitable for beginners. The ESP8266 communicates with WiFi control, and through an expansion board, its pins are mapped to sensors and drivers, which it reads and controls and decides how to operate. This set of tutorials, from simple to complex, will guide you to make an intelligent remote control robot and introduce detailed knowledge about sensors and modules. In addition, if you want a DIY robot to learn the requirements of ESP8266 C language programming, this is a very good choice.



Products

Function Introduction

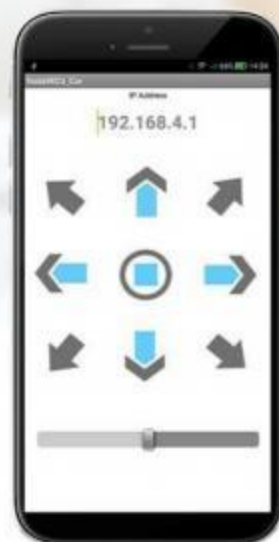
Features





# Product Display

## WiFi Remote Control Function





## Product Performance Parameters:

Working voltage: 5v

Input voltage: 7-12V

Maximum output current: 2A

Maximum power consumption: 25W

(T=75℃) Motor speed: 5v 200rpm/min

Ultrasonic sensing angle: < 15 degrees

Ultrasonic detection distance: 2cm~400cm

Bluetooth remote control distance:

10~50 meters Servo angle range: 0~180°

## Product features:

1. Use esp8266 main control board; realize the car wifi control function.
2. The car uses a self-designed mini acrylic car chassis, which is convenient for users to assemble.
3. Use L9110S motor drive module to improve the stability of motor drive performance.
4. Basic programming: Arduino code based on C language.
5. The product provides a tutorial; the overall performance is relatively stable and more cost-effective.



# Product Materials



# Product Weight



Product Weight: 425g





# Our Customers

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## Maker(Programming Organization)

The purpose of purchase is to use our products to realize some of his own DIY ideas



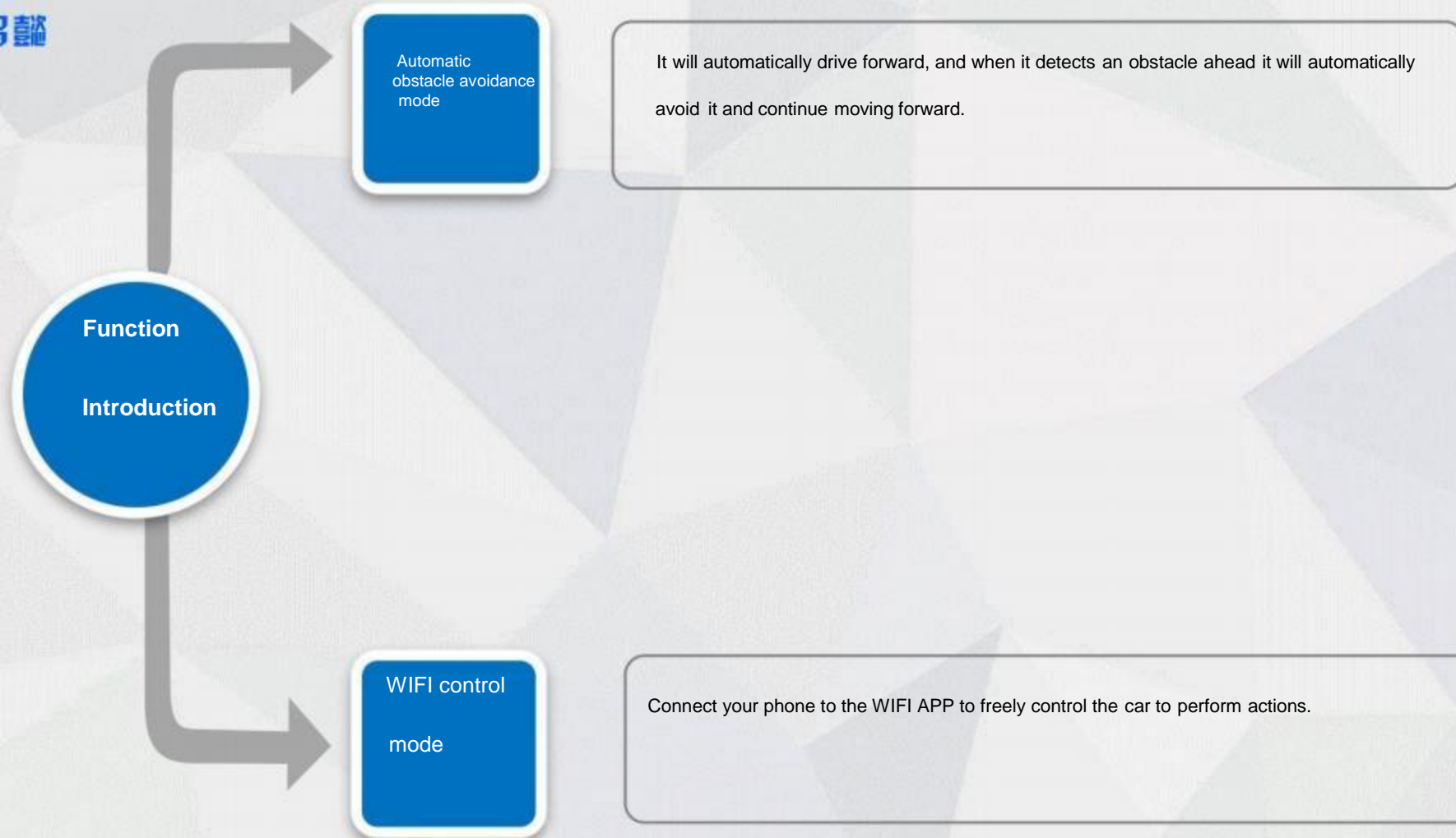
## Student

By purchasing our products, you can learn Arduino programming knowledge and participate in various electronic DIY programming competitions.

## Others(Gifts)

Buy our products as gifts for your juniors

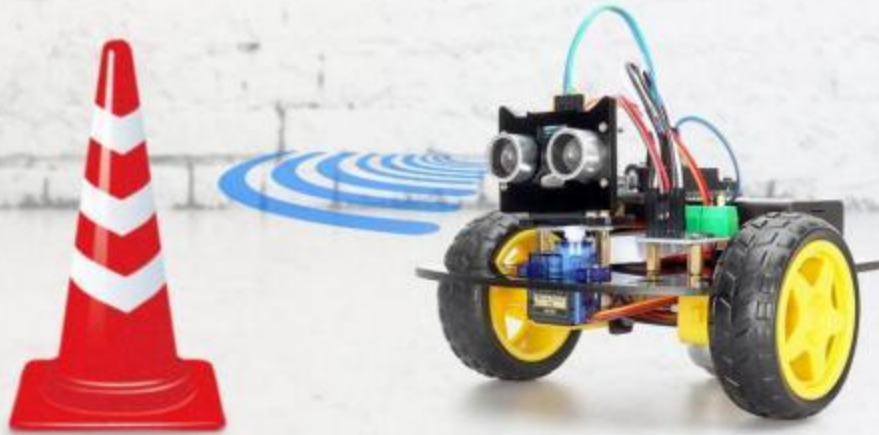




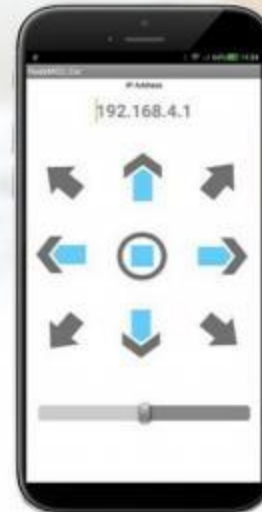
# Function Display

## Ultrasonic Obstacle Avoidance

In addition to intelligent obstacle avoidance, intelligent following can also be realized.



## WiFi Remote Control Function



# Features

1

Use ESP8266 WIFI control board combined with L9110S motor driver module to make smart vehicles

The performance stability of control system products is enhanced.

2

Provides a complete tutorial manual and related source code, based on ESP8266 development, with rich learning resources;

3

DIY assembly and construction can cultivate children's hands-on ability.

4

The product supports expansion, has diversified functions and high playability.



The End

Thanks For Your Attention

