lesson

1

Packing list

Preface

Our Company

Established in 2011, Elegoo Inc. is a thriving technology company dedicated to open- source hardware research & development, with the integration of production and marketing. Located in Shenzhen, the Silicon Valley of China, we have grown to over 150 employees with a 10,763+ square ft. factory.

Our product lines range from DuPont wires and UNO R3 boards to complete starter kits designed for customers of any level to learn Arduino knowledge. In addition, we also sell products of Raspberry Pi accessories like 2.8'' TFT touch and STM32. In the future we will devote more energy and investment to 3D printer products and so on. All of our products comply with international quality standards and are greatly appreciated in a variety of different markets throughout the world.

Official Website: http://www.elegoo.com

US Amazon Storefront: http://www.amazon.com/shops/A2WWHQ25ENKVJ1

CA Amazon Storefront: http://www.amazon.ca/shops/A2WWHQ25ENKVJ1

UK Amazon Storefront: http://www.amazon.co.uk/shops/AZF7WYXU5ZANW

DE Amazon Storefront: http://www.amazon.de/shops/AZF7WYXU5ZANW

FR Amazon Storefront: http://www.amazon.fr/shops/AZF7WYXU5ZANW

ES Amazon Storefront: http://www.amazon.es/shops/AZF7WYXU5ZANW

IT Amazon Storefront: http://www.amazon.it/shops/AZF7WYXU5ZANW

Our Tutorial

This tutorial is designed for beginners. You will learn all the basic information about how to use Arduino controller boards, sensors and components. If you want to study Arduino in more depth, we recommend that you read the Arduino Cookbook written by Michael Margolis.

Some code in this tutorial are edited by Simon Monk. Simon Monk is an author of a number of books relating to Open Source Hardware. They are available in Amazon: Programming Arduino, 30 Arduino Projects for the Evil Genius and Programming the Raspberry Pi.

Customer Service

As a continuous and fast growing technology company we keep trying our best to offer you. Excellent products and quality service in order to meet your expectations and you can reach out to us by simply droping a line at service@elegoo.com or EUservice@elegoo.com. We look forward to hearing from you and any of your critical comment or suggestion would be much valuable to us.
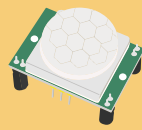Any problems and questions you have with our products will be promptly replied by our experienced engineers within 12 hours (24hrs during holiday)
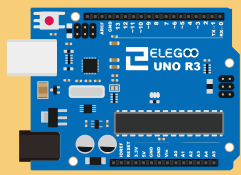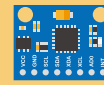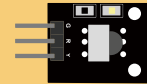
UNO R3 Controller Board
1PC
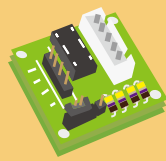
ULN2003 Stepper Motor Driver Module
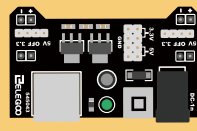**1PC**

HC-SR501 PIR Motion Sensor Module
1PC

GY-521 Module
1PC
(MPU6050)

IR Receiver Module
1PC

Servo Motor SG90
1PC

Power Supply Module
1PC
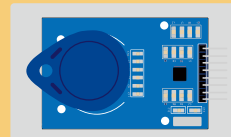
RC522 RFID Module
1PC
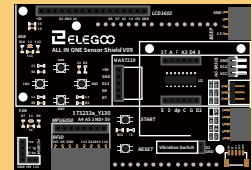
ALL IN ONE Sensor Shield
1PC

Stepper Motor
1PC

LCD1602 Module
(with pin header)
1PC
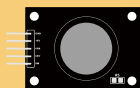
Joystick Module
1PC

DS1307 RTC Module
1PC

Active Buzzer
1PC

Passive Buzzer
1PC

Ultrasonic Sensor
1PC
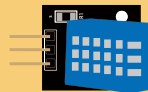
DHT11 Temperature and Humidity Module
1PC
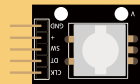
Rotary Encoder Module
1PC

Water Level Detection Sensor Module
1PC

Sound Sensor Module
1PC

1 Digit 7-Segment Display
1PC

4 Digit 7-Segment Display
1PC
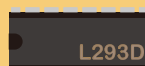
L293D
1PC

74HC595 IC
1PC
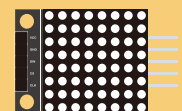
MAX7219 Module
1PC

Remote Control
1PC

Female-to-Female Dupont Wire 10PCS

Breadboard Jumper Wire
65PCS

Female-to-Male Dupont Wire
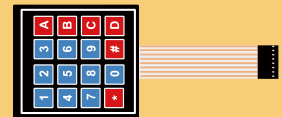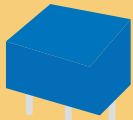**20PCS**

USB Cable
1PC
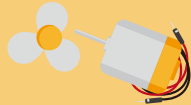
Fan Blade and 3-6V Motor
1PC
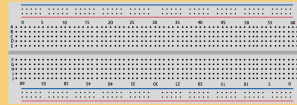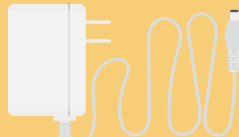
830 Tie-Points Breadboard
1PC

Membrane Switch Module
1PC

5V Relay
1PC

9V Battery with Snap-on Connector Clip
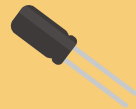1PC

9V1A Adapter
1PC

Resistor
120PCS

Thermistor
1PC

Diode Rectifier
5PCS

100uF Electrolytic Capacitor
2PCS

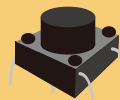**10uF Electrolytic Capacitor**
2PCS

NPN Transistor PN2222
5PCS

Potentiometer
2PC

NPN Transistor S8050
5PCS

Tilt Ball Switch
1PC

Button
5PCS

Photoresistor(Photocell)
2PCS

Red LED
5PCS

Yellow LED
5PCS

Blue LED
5PCS

Green LED
5PCS

White LED
5PCS

RGB LED
2PCS

104pF Ceramic Capacitor
5PCS

22pF Ceramic Capacitor
5PCS