

Part 1

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

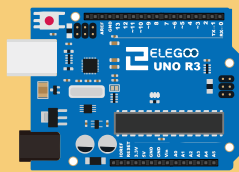
This tutorial is designed for beginners. You will learn all the basic information about how to use Arduino controller boards, sensors and components. If you want to study Arduino in more depth, we recommend that you read the Arduino Cookbook written by Michael Margolis.

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.

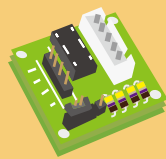
Customer Service

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 dropping 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.

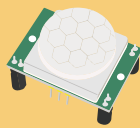
Any problems and questions you have with our products will be promptly replied by our experienced engineers within 12 hours (24hrs during holiday)



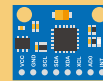
UNO R3 Controller Board
1PC



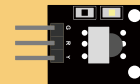
ULN2003 Stepper Motor
Driver Module
1PC



HC-SR501 PIR Motion
Sensor Module
1PC



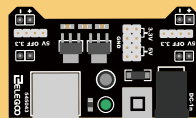
GY-521 Module
1PC
(MPU6050)



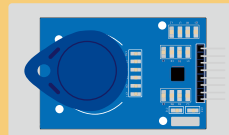
IR Receiver Module
1PC



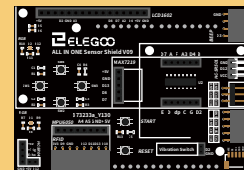
Servo Motor SG90
1PC



Power Supply Module
1PC



RC522 RFID Module
1PC



ALL IN ONE Sensor Shlele
1PC



Stepper Motor
1PC



LCD1602 Module
(with pin header)
1PC



Joystick Module
1PC



DS1307 RTC Module
1PC



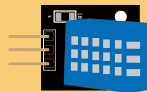
Active Buzzer
1PC



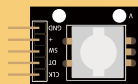
Passive Buzzer
1PC



Ultrasonic Sensor
1PC



DHT11 Temperature and
Humidity Module
1PC



Rotary Encoder Module
1PC



Water Level Detection
Sensor Module
1PC



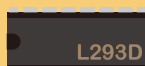
Sound Sensor Module
1PC



1 Digit 7-Segment Display
1PC



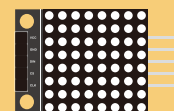
4 Digit 7-Segment Display
1PC



L293D
1PC



74HC595 IC
1PC



MAX7219 Module
1PC



Remote Control
1PC



Female-to-Female Dupont Wire 10PCS



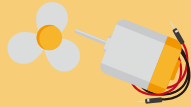
Breadboard Jumper Wire
65PCS



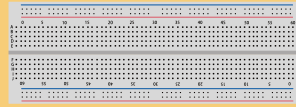
Female-to-Male Dupont Wire
20PCS



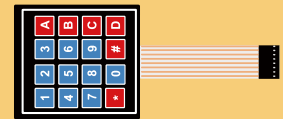
USB Cable
1PC



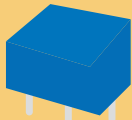
Fan Blade and 3-6V Motor
1PC



830 Tie-Points Breadboard
1PC



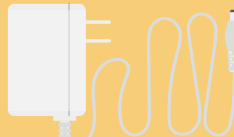
Membrane Switch Module
1PC



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



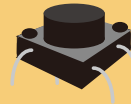
Potentiometer
2PC



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