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3 VIDEOS

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## ELEGOO Mega R3 Project The Most Complete Ultimate Starter Kit with Tutorial Compatible with Arduino IDE

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<b>Brand</b>	ELEGOO
<b>Color</b>	Mega 2560 Complete Starter Kit
<b>Connectivity Technology</b>	USB
<b>Included Components</b>	1pcs Mega 2560 Controller Board; 1pcs USB Cable; 1pcs Breadboard; 1pcs 65 Jumper Wire; 1pcs IC 74HC595; 1pcs <a href="#">See more</a>
<b>Wireless Communication Standard</b>	Infrared

### About this item

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Dupont Wire 40pin Male to  
Female, 40pin Male to Male,...****\$6<sup>98</sup>****ELEGOO Upgraded 37 in 1  
Sensor Modules Kit with Tutorial  
Compatible with Arduino IDE...****\$29<sup>59</sup>****You might also like**

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## Product details

Is Discontinued By Manufacturer : No

Product Dimensions : 13.7 x 8.4 x 1.85 inches; 2.15 Pounds

Item model number : EL-KIT-008

Batteries : 3 CR2 batteries required. (included)

Date First Available : April 28, 2016

Manufacturer : ELEGOO

ASIN : B01EWNUUUA

Country of Origin : China

Best Sellers Rank: #4 in Single Board Computers (Computers & Accessories)

Customer Reviews: 4.7

6,729 ratings

### WARNING:

CHOKING HAZARD -- Small parts. Not for children under 3 yrs.



## Product Description

Established in 2011, ELEGOO is a thriving technology company dedicated to open-source hardware research & development, production and marketing. Our own Quality Management Team will secure the premium quality of our products and we would like to receive your valuable suggestions for our products and make your idea come true.

Component Listing: 1pcs Mega 2560 Controller Board; 1pcs USB Cable; 1pcs Breadboard; 1pcs 65 Jumper Wire; 1pcs IC 74HC595; 1pcs Active Buzzer; 1pcs Tilt Switch; 1pcs Photo resistor; 5pcs Yellow LED; 5pcs Blue LED; 5pcs Green LED; 5pcs Red LED; 1pcs RGB LED; 5pcs Button (small); 10pcs Resistor (10R); 10pcs Resistor (100R); 10pcs Resistor (220R); 10pcs Resistor (330R); 10pcs Resistor (1K); 10pcs Resistor (2K); 10pcs Resistor (5K1); 10pcs Resistor (10K); 10pcs Resistor (100K); 10pcs Resistor (1M); 5pcs Female-to-male DuPont Wire.

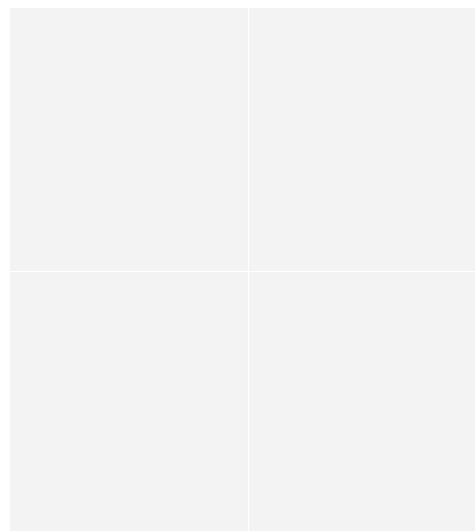
## Important information

### Safety Information

keep away from the children under 3 years old

To report an issue with this product, [click here](#).

## From the brand



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to learn

### PHECDA Laser Engraver & Cutter

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## From the manufacturer

### ELEGOO Mega R3 The Most Complete Starter Kit

**Starter kit that everyone can use to learn electronics**

Electronics is not as complicated as you imagine especially with ELEGOO MEGA Starter Kit. For advanced users like professional lab engineers, electronic major students and experienced hobbyists compatible with Arduino projects, they can use this kit to do various kinds of tests and experiments with so many sensors available at hand.

What about novice users who don't have any electronics knowledge? Fear not amigo. Just follow our tutorial enclosed and step by step you will come to realize that learning electronics is more fun than you ever expected with this amazing sensor kit.

It's a good choice and perfect gift for your friends, family or kids who are obsessed with electronics or robotics to take their first steps on electronics journey!

## The Most Complete Starter Kit with High Quality Components and Tutorial

Quantity and quality are both important here in Elegoo MEGA starter kit. The most essential parts in this kit are MEGA controller board and expansion board, which is a perfect clone with excellent product finish Compatible with Arduino projects. Besides, we offer other over 60 kinds of components and sensors from small parts like LED diodes, resistors and potentiometer to big parts like LCD1602, RFID module and 830 tie-points breadboard, which meet your demands for your different projects either it is simple or complex.

Sturdy quality is definitely the most important thing to Elegoo even with so many components provided we never compromised on the quality. Instead we keep improving our product quality in our own factory and we produce the products by ourselves under high standards and strict quality control. Pins and wires on some of the parts like LCD16502 and motors have been pre-soldered which is very convenient and saves your time.

## LCD1602 Display module

LCD1602 module is a display that has an LED backlight and can display two rows with up to 16 characters on each row. You can see the rectangles for each character on the display and the pixels that make up each character. The display is just white on blue and is intended for showing text.

Lining up the display with the top of the breadboard helps to identify its pins without too much counting, especially if the breadboard has its rows numbered with row 1 as the top row of the board. Do not forget, the long yellow lead that links the slider of the pot to pin 3 of the display. The 'pot' is used to control the contrast of the display.

## DC Motors and L293D Transistor

In this project you will learn how to control a small DC motor using a Mega board and a L293D transistor, which is a very useful chip. It can actually control two motors independently. We are just using half the chip in this lesson, most of the pins on the right hand side of the chip are for controlling a second motor.

L293D is quadruple high-current half-H drivers and designed to provide bidirectional drive currents of up to 1 A at voltages from 4.5 V to 36 V. The L293D is also designed to provide bidirectional drive currents of up to 600-mA at voltages from 4.5 V to 36 V and drive inductive loads such as relays, solenoids, dc and bipolar stepping motors, as well as other high-current/high-voltage loads in positive-supply applications.



**ELEGOO Upgraded  
37 in 1 Sensor  
Modules Kit with  
Tutorial**

**Elegoo UNO  
Project Super  
Starter Kit with  
Tutorial  
Compatible with  
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**Elegoo UNO  
Project Smart  
Robot Car Kit V 4.0**

**Elegoo UNO R3  
Project Complete  
Starter Kit**

**Dupont Wire**

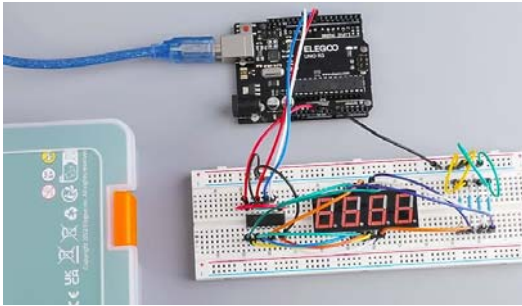
**Breadboard**

Controller board	UNO R3, Mega	UNO R3	UNO R3	UNO R3	/	/
Compatibility with Arduino	✓	✓	✓	✓	/	/
Projects Tutorial Included	✓	✓	✓	✓	/	/
Assembly Requirement	No	No	✓	No	No	No
Reasons to Buy	Tutorial of 34 Projects, Updated Version, Compatibility with Arduino IDE and STM32	Tutorial of 24 Projects, Cost-effective Starter Kit	ELEGOO EleRobot APP; FPV Mode; Obstacle Avoidance; Line Tracking Mode	Tutorial of 33 Projects, Complete Stater Kit with UNO R3	Copper-clad Aluminum, Good Quality	630 Tie-point IC-circuit Area plus 2x100 Tie-point Distribution Strips; Self-adhesive Tape

## Brand in this category on Amazon

**ELEGOO**

Arduino UNO/Mega Starter Kit

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Best seller

\$44<sup>99</sup>\$65<sup>99</sup>

Limited time Deal

\$47<sup>88</sup>

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## What's in the box

- 1pcs Mega 2560 Controller Board; 1pcs USB Cable; 1pcs Breadboard; 1pcs 65 Jumper Wire; 1pcs IC 74HC595; 1pcs Active Buzzer; 1pcs Tilt Switch; 1pcs Photo resistor; 5pcs Yellow LED; 5pcs Blue LED; 5pcs Green LED; 5pcs Red LED; 1pcs RGB LED; 5pcs Button (small); 10pcs Resistor (10R); 10pcs Resistor (100R); 10pcs Resistor (220R); 10pcs Resistor (330R); 10pcs Resistor (1K); 10pcs Resistor (2K); 10pcs Resistor (5K1); 10pcs Resistor (10K); 10pcs Resistor (100K); 10pcs Resistor (1M); 5pcs Female-to-male DuPont Wire

## Product guides and documents

[User Manual \(PDF\)](#)

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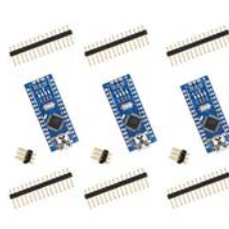
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Arduino for Uno R3, Electronics Home...

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### Customer reviews

4.7 out of 5

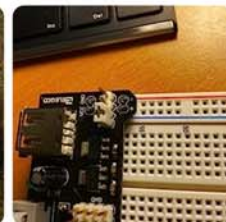
6,729 global ratings

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2 star	<input type="text"/>	1%
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[good quality](#)

[usb cable](#)

[Top reviews](#)

### Top reviews from the United States

 Hyooman**Excellent kit for starters**

Reviewed in the United States on August 7, 2023

**Verified Purchase**

I have purchased a few of these kits and those who have received them are delighted. I found solid videos on Youtube with various projects, and the items of this kit work great. The only problem I've seen, on both kits, is that the labeling that shows pin connector information on the board seems to wear off rather easily. This could leave some without the ability to know which pin is which. My personal solution was to take a picture of the board before ever using it so I could refer to that for pin numbers.

11 people found this helpful

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Helpful

Report

 Omar kashour**Good value, great for beginners**


Reviewed in the United States on August 19, 2023

**Verified Purchase**

This is a good product for beginners. If you want to build a serious project, It will require more of each tool that's included.

Helpful

Report

 Bertrand Dolimier**Great**

Reviewed in the United States on August 14, 2023

**Verified Purchase**

Easy to follow examples, all works as advertised, a lot of fun.

Helpful

Report

 Sam K**Amazing for beginners**

Reviewed in the United States on July 15, 2023


**Verified Purchase**

The Elegoo Mega R3 Kit is a great kit for anyone who wants to learn about electronics and programming. It comes with everything you need to get started, a Mega R3 controller board, a USB cable, a breadboard, a variety of electronic components, there is also a 31 lesson tutorial that you can download to help you learn about to construct different types of circuits.

7 people found this helpful

Helpful

Report

 bohtur29**Great starter kit**

Reviewed in the United States on July 28, 2023

**Verified Purchase**

Great to start learning new things, rather watch youtube tutorials for instructions.

One person found this helpful

Helpful

Report

 Kimo**I love it**

Reviewed in the United States on June 26, 2023

**Verified Purchase**

Always wanted a bread board to test different electronic setups. It also hits on a little on the programming lines for customizing your electronic setups. Instructions have to be found on



website or watching the tutorial on you tube.

One person found this helpful

Helpful

Report



Ken Leonard

**Quick to get going. Instructional. Lots o' parts. FUN!**

Reviewed in the United States on September 27, 2020

**Verified Purchase**

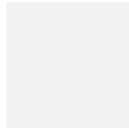
I plan to automate the air intake control on my wood stove, and that means taking temperatures from two thermocouples, analyzing them, and moving a lever. An Arduino can do that very easily.

But I know nothing about Arduinos other than they exist. UNTIL NOW.

I just finished Lesson 5, Digital Inputs. The PDF instructions explain what is going on and warn you that in this particular section things seem a bit backwards, a good thing to make you aware of so you can learn. Each lesson is brief with excellent pictures and diagrams and just enough explanation. Follow and HAVE FUN.

The kit already contains a lot of what I will need to build my project someday: Arduino and power supply; LCD display; motors; motor controllers; buttons; LEDs and other electronic

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15 people found this helpful

Helpful

Report



George Williams

**Biggest, most complete kit on the market, and well worth the money**

Reviewed in the United States on March 9, 2018

**Verified Purchase**

This is an outstanding kit! When I decided to dive head-first into the Arduino world, I did my research. I was looking for a kit that would get me the most varied list of supplies possible (and from a company with a good reputation, as it's so easy to end up with a pile of barely functioning electronic knock-off junk that was made on Mars or some far-away place with no quality-assurance). This was the kit I settled on, and I'm glad I did. For the money spent, it had the greatest spread of different kinds of devices and supporting equipment. I paired it with the Elegoo 37 Sensor Kit, to round out my supplies. (There was a bit of cross over between the two kits, but it's nice to have extras to play and experiment with.)

In addition to having so many devices to experiment with, I found two further pluses for this kit:

Elegoo's Arduino boards are incredible! They are exactly labeled, flawlessly put together, and use quality equipment. Even the unused areas of the board have "dimple printing" to

▼ [Read more](#)

79 people found this helpful

Helpful

Report

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**Top reviews from other countries**



Sun Lu

**It works as you would imagine**

Reviewed in Singapore on August 10, 2023

**Verified Purchase**

I'd say it is great for 8-18 kids and pre-college students to learn basic micro controller programming

Report



Excelente custo-benefício

**great kit for IOT**

Reviewed in Canada on August 16, 2023

**Verified Purchase**

So far I didn't use it. But I will use it in a few weeks when my college starts.

Report



Allan Drew

**Getting started**

Reviewed in Canada on July 4, 2023

**Verified Purchase**

Have not figured it all out yet. a little difficult to install.

Report



Mark Geddes

**Not to learn with. Good for parts. (as of Nov 14, 2019)**

Reviewed in Canada on November 15, 2019

**Verified Purchase**

This kit is very good if you are looking for electronic parts to play with. It comes with a large variety of components, including many that are never used in the "lessons", but could be handy for a new experimenter. You should be somewhat familiar with Arduino, or electronics in general, if you want to use this kit effectively. A little bit of programming knowledge is also required. Do not buy this kit if you are expecting to learn electronics, or programming from it. Download the lessons first, and read them over before purchasing this kit. If you require more information, it is not provided.

I downloaded, and used, the latest software and lessons from the Elegoo website. I did not use the CD that came with it.

I would rate the hardware 5 stars. The lessons 1 star. Overall 2 stars (I just can't overlook some of the errors in the lessons).

Cons:

- The lessons are the biggest con. (The hardware is great.)

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79 people found this helpful

Report



Richard East

**Not just of newcomers !!**

Reviewed in Canada on April 7, 2023

**Verified Purchase**

This product is advertised for 7 yers up !! As it is low voltage it is 100% safe so obviously would fit well for a kid of that age and up.

My last experience with programming and using technology was when I bought my new commodore PET computer in 1978 !! I have always wanted to get back to enough programming to make things. This kit contains the documented code plus the devices necessary for a VERY reasonable price to accomplish this. I am looking forward to experimenting with technology and finding out what I can do with the parts provided.

Bottom line, this is a good kit for kids who want to learn because it is safe, but just as good for ADULTS like me who want to get more experience with tech.

Report

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