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YOUNG ENGINEERS / SPARKLE LABS / DISCOVER ELECTRONICS KIT



Discover Electronics Kit - 2.0

PRODUCT ID: 487

55 IN STOCK



DESCRIPTION TECHNICAL DETAILS

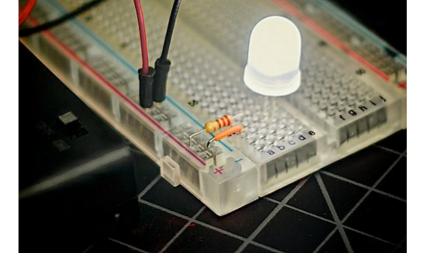




DESCRIPTION

Discover Electronics Kit contains everything you need to learn the basics of electronics and make your own projects. It contains the most common electronics components as well as a prototyping breadboard for you to get started right away. Easy full color diagrams teach you how to bring your own ideas to life. The Discover electronics kit uses standard components. All of these parts can be used by the beginner or the advanced user. As you grow and learn all of the parts in the kit are still useful in more advanced projects and can be expanded on by using additional parts.

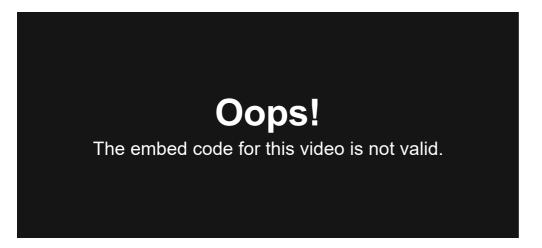
Requires 4 AA batteries. NOT INCLUDED



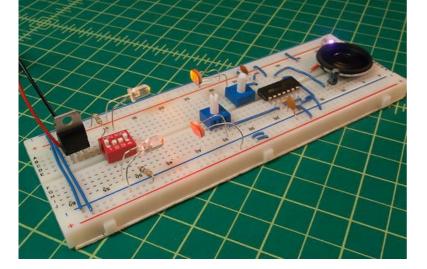
The kit comes with clear, solderless breadboard and a simple battery pack. Clearly labeled parts and simple directions means you can have your first circuit up and running in minutes.

Create a circuit	Next we need a resistor. Resistors limit the amount of cur- nectural can flow through the circuit. Colored struges on the resistor reli us how much resistance it has. Rod a resistor that has not required the an establic tripper is the other of occurs. Insort one same in the series of the other and occurrent towing through the circuit frace the complete circuit frequip which the current of the power supply, through the brackboard spin and the series the the series of the series of the series of the the series of the current flowing through the circuit them the LCD unrest motion from the positive laws the them series the of your target pack and electricity flows intrough the circuit. Sectoron size electrony as they now through the circuit. Sectoron size electrony as they now
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The manual explains whats going on inside. Illustrations aid in understanding.



Not just an electronics kit; online resources turn the kit into a video course pack.



You can double check your work against the photographs.

Sparkle Labs is made up of designers and teachers. The Discover Electronics Kit is designed to make learning electronics easy and fun. It is a curated selection of the basic parts to get started and learning right away. They are standard components and are still useful when you are ready to build your own projects. More then just a kit, it is an online, video course which you can access here: Discover Electronics Course.

More photos here.

TECHNICAL DETAILS

Note: As of Friday, November 27th 2015, we are now carrying the upgraded version of this kit. Includes higher quality parts and battery case. Also Includes more projects in an improved 36 page instruction manual with user feedback from several universitles.

Includes:

- Transparent Solderless Breadboard
- AA Battery Holder
- 2 Alligator clips
- 2 NPN Transistors
- 2 Diodes
- 2 5V Voltage Regulators
- 2 Photoresistors
- 10 LEDs (Various Cool Colors)
- Speaker
- DIP Switch
- 1k, 10k, and 100k Potentiometer
- 556 Timer IC
- 2 Buttons
- Jumper Wires
- Multiple Value Resistors
- Multiple Value Ceramic and Electrolytic Capacitors
- 36 page Instruction Manual

This kit is RoHS compliant - Parts do not contain lead, cadmium or other harmful elements.



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"Do not train a child to learn by force or harshness; but direct them to it by what amuses their minds, so that you may be better able to discover with accuracy the peculiar bent of the genius of each" - Plato



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