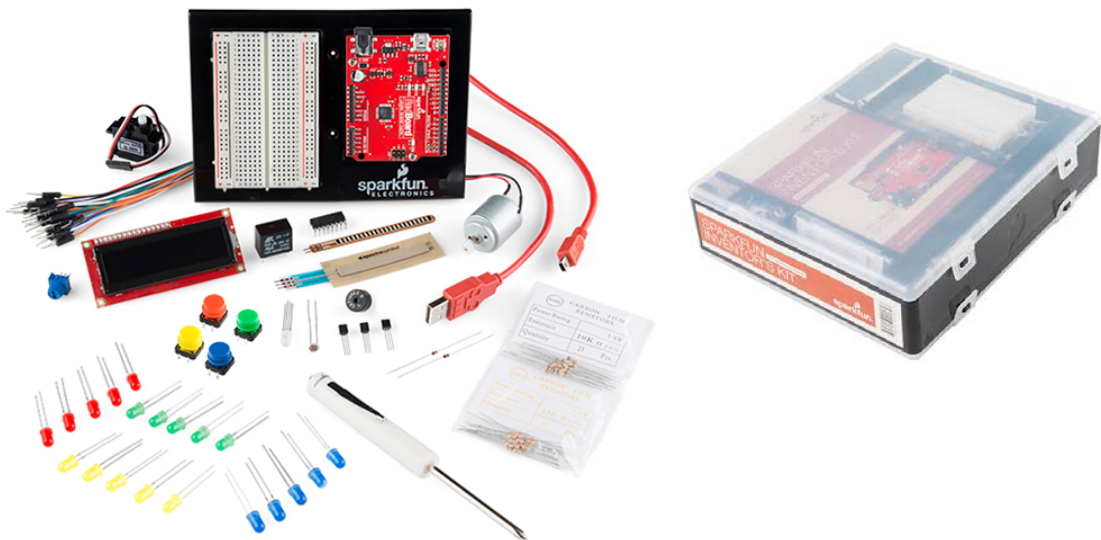




SparkFun Inventor's Kit - V3.3

KIT-13969 RoHS



Description: The SparkFun Inventor's Kit (SIK) is a great way to get started with programming and hardware interaction with the Arduino programming language. The SIK includes everything you need to complete 16 circuits that will teach you how to read sensors, display information on an LCD, drive motors, and more. You don't need any previous programming or electronics experience to use this kit.

The full-color SIK Guidebook (included) contains step by step instructions of how to connect each circuit with the included parts. Full example code is provided and explained and even includes troubleshooting tips if something goes wrong.

The kit does not require any soldering and is recommended for beginners ages 10 and up. Version 3.3 returns the popular carrying case to the kit as well as replacing the older 2N2222 transistors with the BC337.

Circuit Examples:

- Circuit 1: Blinking an LED
- Circuit 2: Reading a Potentiometer
- Circuit 3: Driving an RGB LED
- Circuit 4: Driving Multiple LEDs
- Circuit 5: Push Buttons
- Circuit 6: Reading a Photo Resistor
- Circuit 7: Reading a Temperature Sensor
- Circuit 8: Driving a Servo Motor
- Circuit 9: Using a Flex Sensor
- Circuit 10: Reading a Soft Potentiometer
- Circuit 11: Using a Buzzer
- Circuit 12: Driving a Motor
- Circuit 13: Using Relays
- Circuit 14: Using a Shift Register
- Circuit 15: Using an LCD
- Circuit 16: Simon Says

Kit Includes:

- SparkFun RedBoard
- Arduino and Breadboard Holder
- SparkFun Inventor's Kit Guidebook
- White Solderless Breadboard
- Carrying Case
- SparkFun Mini Screwdriver
- 16x2 White on Black LCD (with headers)
- 74HC595 Shift Register
- BC337 Transistors
- 1N4148 Diodes
- DC Motor with Gear
- Small Servo
- SPDT 5V Relay
- TMP36 Temp Sensor
- Flex sensor
- Softpot
- 6' SparkFun USB Cable
- Jumper Wires
- Photocell
- Tri-color LED
- Red, Blue, Yellow, and Green LEDs
- Red, Blue, Yellow, and Green Tactile Buttons
- 10K Trimpot
- Piezo Speaker
- 330 and 10K Resistors