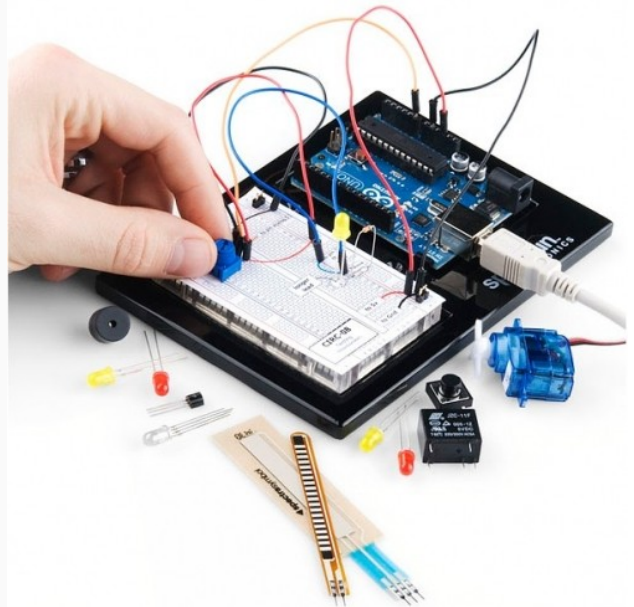


# SparkFun

## SparkFun Inventor's Kit for Arduino

sku: KIT-10173



**Description:** zOMG! This kit has it all. It now includes the new Arduino Uno, the fabled baseplate, and all the sensors you can shake a stick at. The SparkFun Inventor's Kit for Arduino is a box of goodies to get the very beginner started with programmable electronics. It includes all the bits you need to build 12 basic circuits, no soldering required! On top of that, we've joined forces with Oomlout to offer a small booklet to get you started. The SIK comes with everything pictured and a 36 page color printed 'starter' guide. The guide will take a complete novice and get them:

- Blinking LEDs
- Controlling a toy motor
- Controlling a servo
- Making (bad) music
- Responding to buttons
- Twisting a volume knob
- Detecting ambient light
- Reading temperature
- Controlling big devices
- Mixing LED colors

We believe these to be the building blocks of any electronics project. Once these concepts are mastered, very impressive projects are possible using simple recombinations.

**Note:** Because Atmel is moving more and more of their production capacity to surface mount ICs, the DIP packaged ATmega328 is becoming more and more difficult to get. To keep up with demand, we now offer the Arduino Uno with an SMD ATmega328. The board is identical to the PTH version of the Uno, but you won't be able to remove the ATmega328 without some hot-air. This change shouldn't affect most users. We have historically seen a very low number of Arduino boards fail, so this should not be an issue. You will get an SMD OR PTH Uno. You do not have a choice. We will use whichever we have on hand. As the supply issues go away, we will have more control over this.

**Note:** Our first batch of the Arduino SMD boards have a problem with the bootloader. If you are having trouble with your board, please contact [techsupport@sparkfun.com](mailto:techsupport@sparkfun.com). So just let us know if you have an issue and we'll correct it!

**Kit includes:**

- [Arduino Uno USB](#)
- [Arduino and breadboard holder](#)
- [Printed 36-page Oomlout manual](#)
- [12 color circuit overlays](#)
- [Clear Bread Board](#)
- [74HC595 Shift Register](#)
- 2N2222 Transistors
- [1N4148 Diodes](#)
- [DC Motor with wires](#)
- [Small Servo](#)
- [5V Relay](#)
- TMP36 Temp Sensor
- [Flex sensor](#)
- [Softpot](#)
- [6' USB Cable](#)
- Jumper Wires
- [Photocell](#)
- [Tri-color LED](#)
- [Red](#) and [Green](#) LEDs
- [10K Trimpot](#)
- [Piezo Buzzer](#)
- [Big 12mm Buttons](#)
- [330](#) and [10K](#) Resistors
- [Male Headers](#)

No soldering required. We recommend this kit for beginners ages 10 and up.

**Documentation:**

- [Web quality guide](#) (1MB)
- [Print quality guide](#) (9MB)
- [Circuit overlays](#)
- [SIK Review](#)