



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



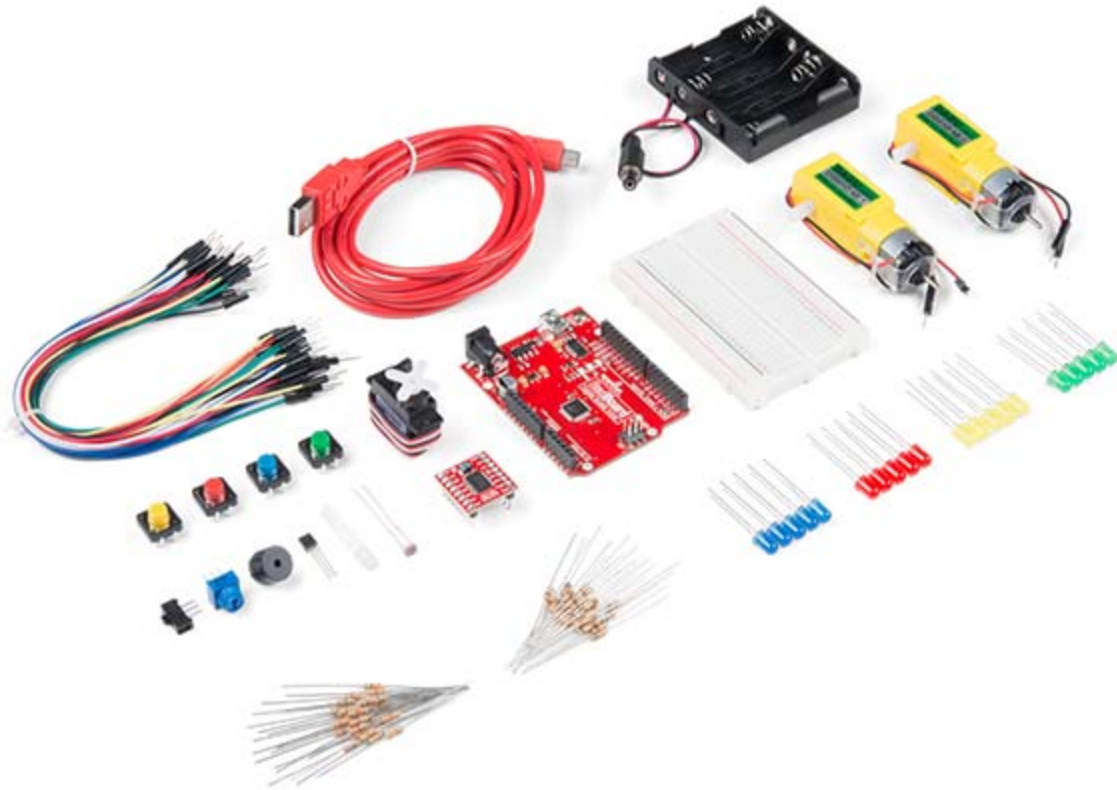
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SparkFun Tinker Kit

KIT-14556 ROHS

The SparkFun Tinker Kit (STK) is a great way to get started with programming and hardware interaction with the Arduino programming language. The STK is our newest version of the former SparkFun Mini Inventor's Kit, blended with elements of our educator MESA kit. Each SparkFun Tinker Kit includes everything you need to complete 11 circuits that will teach you how to blink an LED, read sensors, drive servos, and more. You don't need any previous programming or electronics experience to use this kit.

The online STK Experiment Guide (in the *Documents* section below) 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 in case something goes wrong.

The kit does not require any soldering and is recommended for beginners ages 10 and up. This miniature version of the SIK will help prove that anyone can (and should) play around with cutting-edge electronics in a fun and playful way while not breaking the bank.

INCLUDES

- SparkFun RedBoard
- SparkFun Motor Driver (with Headers)
- Breadboard - Self-Adhesive (White)
- Servo – Sub-Micro Size
- Hobby Gearmotor – 200 RPM (Pair)
- Temperature Sensor – TMP36
- Mini Photocell
- SparkFun USB Mini-B Cable – 6 Foot
- Jumper Wires – 7" M/M 30 AWG (30 Pack)
- LED – RGB Clear Common Cathode
- Red, Blue, Yellow, and Green LEDs
- Red, Blue, Yellow, and Green Buttons
- Mini Power Switch
- 10K Trimpot
- Battery Holder - 4xAA to Barrel Jack Connector
- 330 and 10K Resistors

EXAMPLES

- Circuit 1: Blinking an LED
- Circuit 2: Reading a Potentiometer
- Circuit 3: Driving an RGB LED
- Circuit 4: Driving Multiple LEDs
- Circuit 5: Reading a Button Press
- Circuit 6: Reading a Photoresistor
- Circuit 7: Reading a Temperature Sensor
- Circuit 8: Using a Servo Motor
- Circuit 9: Driving a Motor with an H-Bridge
- Circuit 10: Controlling a Motor with Inputs
- Circuit 11: Reading Serial Data