



# SparkFun Inventor's Kit Bridge Pack – v4.0

KIT-14536 RoHS



## DESCRIPTION

Own one of the third versions of our popular SparkFun Inventor's Kit and not ready to buy version 4.0? You are in luck! The SparkFun Inventor's Kit Bridge Pack was designed to provide you with an easy way to move into the next SIK edition without buying a whole new kit. Each Bridge Pack includes all of the new parts found in the SIK v4.0 that aren't in any of the version 3 kits, as well as the most up-to-date, spiral-bound guidebook so you can get started right away!

**Note:** The Bridge Pack is NOT a full SparkFun Inventor's Kit and only includes the parts to complement an older version of the SIK to make it compatible with the version 4.0 projects.

## INCLUDES

- 1x SparkFun Inventor's Kit v4.0 Guidebook (full-color, spiral-bound)
- 1x Ultrasonic Sensor — HC-SR04
- 1x SparkFun Motor Driver — Dual TB6612FNG (with Headers)
- 2x Hobby Gearmotor — 200 RPM
- 2x Wheel — 65mm (Rubber Tire)
- 1x Battery Holder — 4xAA to Barrel Jack Connector
- 1x Mini Power Switch
- 1x Dual-Lock™ Fastener
- 1x Binder Clip

## EXAMPLES

**Combining this Bridge Pack with an older SIK will allow you to create the following projects:**

- Project 1: Light
  - Circuit 1A: Blinking an LED
  - Circuit 1B: Potentiometer
  - Circuit 1C: Photoresistor
  - Circuit 1D: RGB Night-Light
- Project 2: Sound
  - Circuit 2A: Buzzer
  - Circuit 2B: Digital Trumpet
  - Circuit 2C: "Simon Says" Game
- Project 3: Motion
  - Circuit 3A: Servo Motors
  - Circuit 3B: Distance Sensor
  - Circuit 3C: Motion Alarm
- Project 4: Display
  - Circuit 4A: LCD "Hello, World!"
  - Circuit 4B: Temperature Sensor
  - Circuit 4C: "DIY Who Am I?" Game
- Project 5: Robot
  - Circuit 5A: Motor Basics
  - Circuit 5B: Remote-Controlled Robot
  - Circuit 5C: Autonomous Robot