

The SIK V4.1 includes the Redboard Qwiic which allows you to expand into the SparkFun Qwiic ecosystem after you have become proficient with the SIK circuits. The SparkFun Qwiic Connect System is an ecosystem of I²C sensors, actuators, shields and cables that make prototyping faster and less prone to error. All Qwiic-enabled boards use a common 1mm pitch, 4-pin JST connector. This reduces the amount of required PCB space, and polarized connections mean you can't hook it up wrong. With the addition of the SparkFun RedBoard Qwiic, you *will need* to download a new driver install that is different from the original SparkFun RedBoard.

EXAMPLES

- 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



INCLUDES

- SparkFun RedBoard Qwiic
- Arduino and Breadboard Holder
- SparkFun Inventor's Kit Guidebook
- White Solderless Breadboard
- Carrying Case
- SparkFun Mini Screwdriver
- 16x2 White-on-Black LCD (with headers)
- SparkFun Motor Driver (with Headers)
- Pair of Rubber Wheels
- Pair of Hobby Gearmotors
- Small Servo
- Ultrasonic Distance Sensor
- TMP36 Temp Sensor
- 6' USB micro-B Cable
- Jumper Wires
- Photocell
- Tricolor LED
- Red, Blue, Yellow and Green LEDs
- Red, Blue, Yellow and Green Tactile Buttons
- 10K Trimpot
- Mini Power Switch
- Piezo Speaker
- AA Battery Holder
- 330 and 10K Resistors
- Binder Clip
- Dual-Lock™ Fastener



<https://www.sparkfun.com/products/15267/8-13-19>