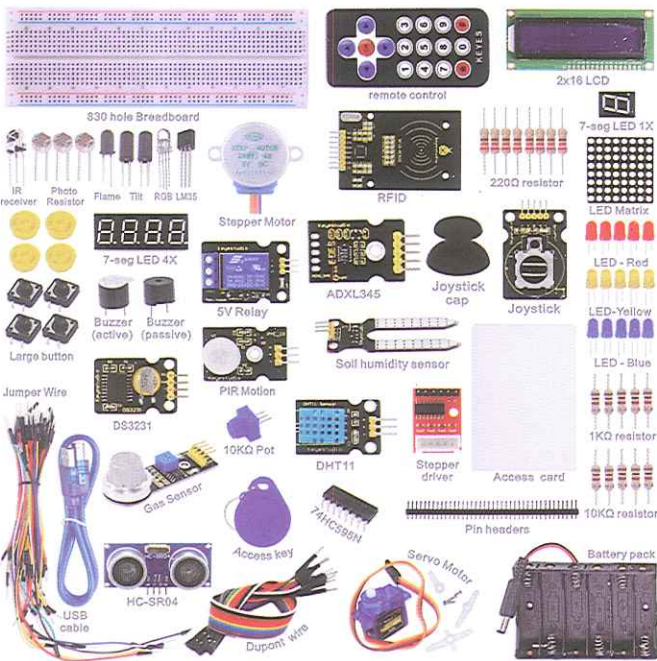


keyestudio super learning kit

KS0077



1 Summary

Keyestudio super learning kit is suitable for Arduino enthusiasts. This kit includes 32 projects with detailed tutorials, starting from the basics to more complex projects. Different from other kits, it adds some functional modules, such as RFID, temperature and humidity module. There is connection diagram and code for each project, making it easy for you to learn.


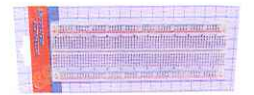





2 Components list



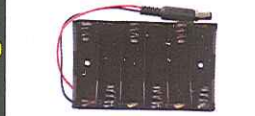



1	5*LED-Blue
2	5*LED-Red
3	5*LED-Yellow
4	5*LED-RGB
5	8*220 Ω Resistor
6	5*10K Ω Resistor
7	5*1K Ω Resistor

8	1*10K Ω Pot
9	1*Buzzer (active)
10	1*Buzzer (passive)
11	4*Large Button Switch
12	2*Ball Tilt Sensor
13	3*Photo Resistor
14	1*Flame Sensor

15	1*LM35 Temp Sensor
16	1*IC 74HC595N 16-pin DIP
17	1*7-seg LED 1 x Module
18	1*7-seg LED 4 x Module
19	1* 8x8 LED Matrix
20	1*IR Receiver
21	1*IR Remote Control
22	1*Servo Motor

23	1*Stepper Driver
24	1*Stepper Motor
25	1*Joystick Module
26	1*Relay Module
27	1*PIR Motion Sensor
28	1* Analog Gas Sensor
29	1*ADXL345 Module
30	1*HC-SR04 Ultrasonic

31	1*Pin headers	
	1*830 hole Breadboard	
32	1*Temperature and Humidity	
33	1*RFID Key	
34	10*Dupont Connector Wires	
35	30*Jumper Wire	
36	1*2x16 LCD Display	
37		

38	1*Soil Humidity Sensor	
	1*RFID Card	
39	1*6-cell AA Battery pack	
40	1*USB cable	
41	1*DS3231 Clock	
42	1*rc522 RFID	
43		

Project 1: Hello World
 Project 2: LED blinking
 Project 3: PWM light control
 Project 4: Traffic light
 Project 5: LED chasing effect
 Project 6: Button-controlled LED
 Project 7: Active buzzer
 Project 8: Passive buzzer
 Project 9: RGB LED
 Project 10: Photo resistor
 Project 11: Flame sensor
 Project 12: LM35 temperature sensor
 Project 13: Tilt switch
 Project 14: IR remote control
 Project 15: Analog value reading
 Project 16: 74HC595
 Project 17: 1-digit LED segment display
 Project 18: 4-digit LED segment display
 Project 19: 8*8 LED matrix
 Project 20: 1602 LCD
 Project 21: 9g servo control
 Project 22: Stepper Motor
 Project 23: PIR Motion Sensor
 Project 24: Analog Gas Sensor
 Project 25: ADXL345 Three Axis Acceleration Module
 Project 26: HC-SR04 Ultrasonic Sensor
 Project 27: Joystick Module
 Project 28: 5V Relay Module
 Project 29: DS3231 Clock Module
 Project 30: DHT11 Temperature and Humidity Sensor
 Project 31: Soil Humidity Sensor
 Project 32: RC522 RFID module

4

Download:

For this kit, we've made PDF tutorials with plenty of projects that walks you through the basics of using the Arduino. Each project is detailed with sample code and connection diagram.

Starting from the basics of electronics, to more complex projects. You can easily learn MCU development ability while having fun. In our official website, you can enter product SKU to search for product Info. (<http://www.keyestudio.cc>)

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PDF



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super learning kit for Arduino — no board

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Learn it, Love it!!!

3

Project list:

Project list