

## Keys Ultimate Starter Kit for Arduino

Module: KE0084 ARDUINO UNO

Module: KE0085 ARDUINO MEGA

### Instructions:

Keys ultimate starter kit includes various sensor components, modules, control board and so on, which is very popular for electronic hobbyists to learn the microcontroller. We also provide you with more detailed learning projects of this kit based on the control board, including wiring methods, test code and more. Helping you to have a preliminary understanding of those electronic components and control board.

### Project List:

- Project 1: Blinking an LED
- Project 2: Breathing an LED
- Project 3: LED Chasing
- Project 4: Button-Controlled LED
- Project 5: Making a Responder
- Project 6: Controlling LED Brightness
- Project 7: Photosensitive Light
- Project 8: Active Buzzer Beeping
- Project 9: Passive Buzzer Singing
- Project 10: Fire Alarm
- Project 11: A Cup with Temperature Indicator
- Project 12: Magical Light Cup
- Project 13: IR Remote Control Decoding
- Project 14: 1-digit LED Display
- Project 15: 74HC595 Controlling LED Display
- Project 16: 8\*8 Dot Matrix Display
- Project 17: 4-digit LED Display
- Project 18: 1602 LCD Display
- Project 19: Ultrasonic Rangefinder
- Project 20: 1302 Clock Display
- Project 21: PIR Motion Sensing
- Project 22: 4\*4 Keypad Display
- Project 23: Driving Stepper Motor
- Project 24: Controlling Servo Motor
- Project 25: RFID Card Reader
- Project 26: Sound-Controlled Light
- Project 27: Relay-Controlled LED
- Project 28: Displaying Temperature and Humidity
- Project 29: Gas Detection
- Project 30: Controlling RGB Module
- Project 31: TMD27713 Distance Sensor
- Project 32: Acceleration Sensor
- Project 33: Detecting Ultraviolet Light

Download the example Code and library: (107Mb)

[https://www.mantech.co.za/Datasheets/Products/KE0084-5\\_KEYES.zip](https://www.mantech.co.za/Datasheets/Products/KE0084-5_KEYES.zip)