



Introduction - KS0076

This advanced study kit for aduino will walk you through the basics of using the Aduino in a hands-on way. You'll learn through building several creative projects. The kit includes a selection of the most common and useful electronic components with a book of 28 projects. Starting the basics of electronics, to more complex projects, the kit will help you control the physical world with sensor and actuators.

Kit list	
aduino *1 LED - Blue *5 LED - Red *5 LED - Yellow *5 LED - RGB *1 220 Ω resistor *8 10K Ω resistor *5 1K Ω resistor *5 10K Ω Pot *1 Buzzer (active) *1 Buzzer (passive) *1 Large button switch *4 Ball tilt sensor *2 Photo Resistor *3 Flame sensor *1 LM35 Temp Sensor *1 IC 74HC595N 16-pin DIP *1 7-seg LED 1x module *1 6	St 3*8 LED Matrix*1 2x16 LCD display*1 R receiver *1 R remote control *1 Servo Motor *1 Stepper driver module *1 Stepper Motor *1 loystick module *1 Relay module *1 PIR Motion Sensor *1 Analog Gas Sensor *1 ADXL345 Three Axis Acceleration Module *1 HC-SR04 Ultrasonic Sensor*1 Pin headers *40 30 hole Breadboard *1 Dupont connector wires *10 Jumper Wire*30 5-cell AA Battery pack *1 JSB cable *1

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

For more details:

http://wiki.keyestudio.com/index.php/Ks0074(75, 76) keyestudio Advanced Study Kit fo r Arduino

Video

http://www.keyestudio.com/wp/ks0074-75-76/

PDF

https://drive.google.com/open?id=1BMSIJjeI5s24FMuGKW5GC7x24gaZ8XXj