

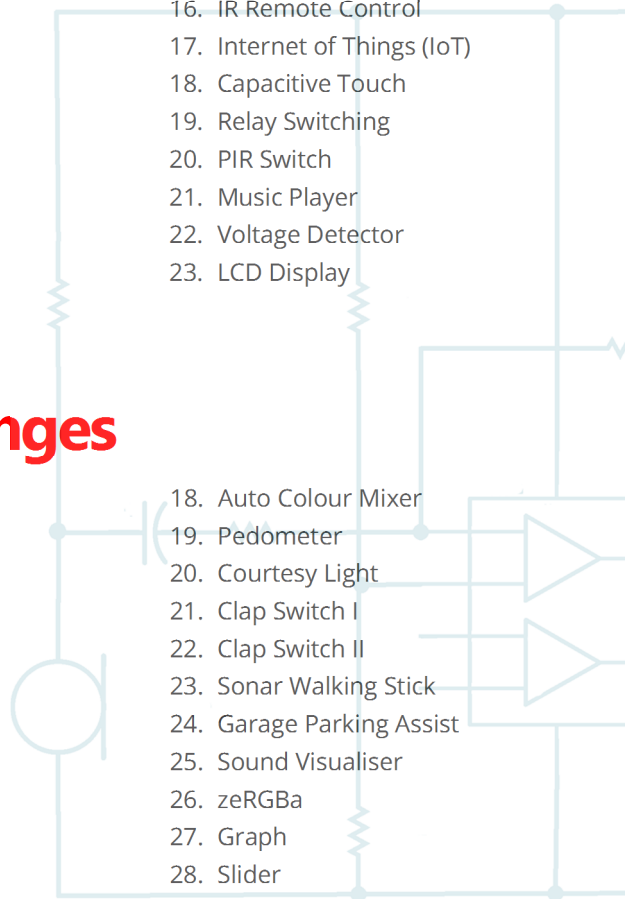


# List of Projects

1. Strobe Light
2. Running Light
3. Mood Lighting
4. Twinkle Twinkle LED
5. Touch Organ
6. Mini Orchestra
7. Basic Circuit
8. Night Light
9. Theremin
10. Bar Graph
11. Light Dimmer
12. Digital Thermometer
13. Toggle Switch
14. Sound Meter
15. Ultrasonic Sonar
16. IR Remote Control
17. Internet of Things (IoT)
18. Capacitive Touch
19. Relay Switching
20. PIR Switch
21. Music Player
22. Voltage Detector
23. LCD Display

# List of Challenges

1. Torchlight
2. Flasher
3. Stroboscope
4. Police Siren
5. Touch Switch
6. Complete the Loop
7. Voltage Divider
8. Reverse Sensor I
9. Reverse Sensor II
10. Colour Detector
11. Light Dimmer
12. Servo Motor
13. Servo Control
14. Light Meter
15. Mood Ring
16. Analogue/Digital IO
17. Colour Mixer
18. Auto Colour Mixer
19. Pedometer
20. Courtesy Light
21. Clap Switch I
22. Clap Switch II
23. Sonar Walking Stick
24. Garage Parking Assist
25. Sound Visualiser
26. zeRGBa
27. Graph
28. Slider
29. E-Mail Notification
30. LED Matrix
31. Touch Switch
32. Universal Remote Control
33. Universal PIR



# Content of Set

## Manual

- Level Up! 1

## Project Board

- Arduino compatible 1
- Breadboard 1
- Perspex 1
- USB cable 1
- Bolt and nut 8

## Sensors

- Ultrasonic transceiver 1
- IR receiver 1
- IR phototransistor 1
- Tilt sensor 1
- Temperature sensor 1
- LDR 2
- PIR motion sensor 1
- Electret microphone 1

## Actuators

- Servo motor 1
- Piezo 1
- Push button 4
- Potentiometer 1
- Relay module 1

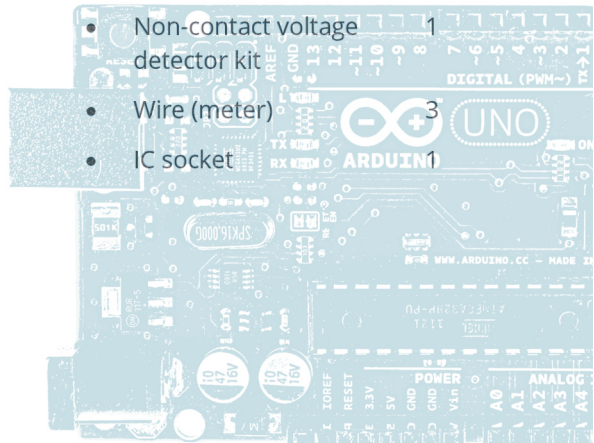
## Components

- Tri-colour LED 2
- LED 9
- IR LED 2
- Capacitor 6
- Resistor 33
- LCD 1
- Wi-Fi module 1
- Transistor 1
- Op-amp 1
- Voltage regulator 1
- Zener diode 1

## Others

- Battery adapter 1
- Jumper wire 23
- Pin header 1

- Non-contact voltage detector kit 1
- Wire (meter) 3
- IC socket 1





STAY CURIOUS

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This product contains small parts  
that may present a choking hazard  
to children under the age of 3.



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