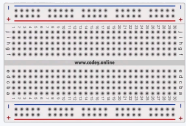


What is in your starter kit?

Your kit is full of parts. Some feel something (sensors). Others do something (lights, buzzer, little motor). Click Next, and you will get to know them one by one.

Basic: you use this to build everything



Breadboard

The building board: build without soldering

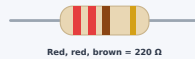
In your kit: 1x



Jumper wires

Dupont wires: the little wires that connect everything

In your kit: 40x



Red, red, brown = 220 Ω

Resistor 220 Ω

Slows down the current

In your kit: 10x

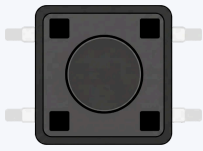


9V battery clip

Let your project work without a computer

In your kit: 1x

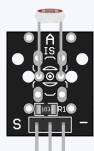
Input: these parts feel or measure something



Push button

A little button to press

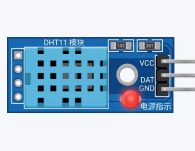
In your kit: 5x



Light sensor (LDR)

Measures how light or dark it is

In your kit: 1x



Temperature sensor DHT11

Measures the temperature and the humidity

In your kit: 1x



Distance sensor HC-SR04

Measures distance with sound, just like a bat

In your kit: 1x

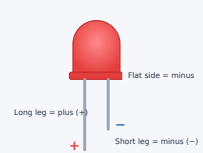


Motion sensor (PIR)

Sees if someone is moving

In your kit: 1x

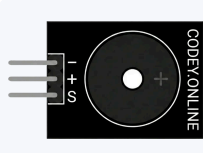
Output: these parts do something



LED (little light)

A small light in 5 colors

In your kit: 10x



Active buzzer

Makes beeps

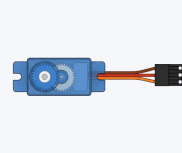
In your kit: 1x



OLED screen 0.91"

A small screen for text and numbers

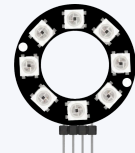
In your kit: 1x



Servo motor SG90

A little motor that turns to a position

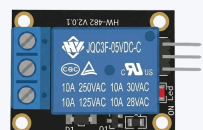
In your kit: 1x



RGB LED ring (8 LEDs)

8 smart lights in every color

In your kit: 1x



Relay 5V

A switch your Arduino can flip

In your kit: 1x