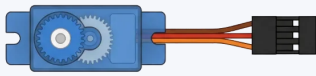


Part 12 of 15



Servo motor SG90

A little motor that turns to a position

In your kit: 1x

What is it?

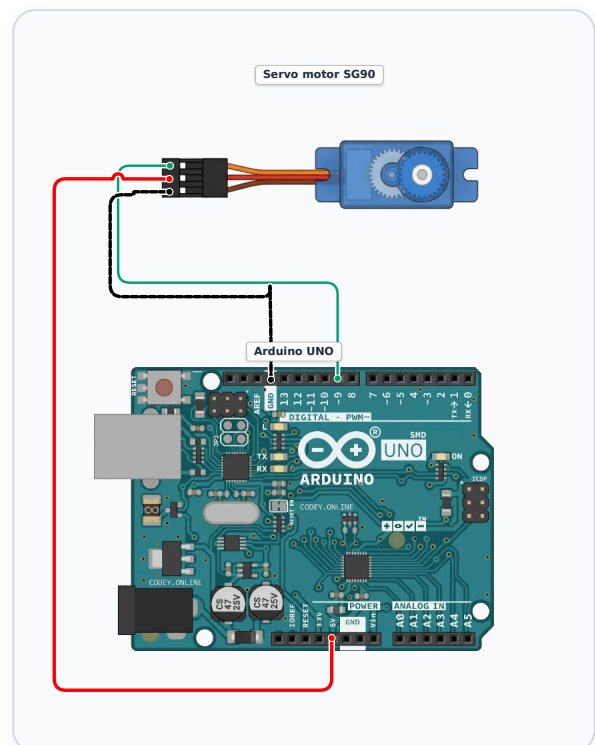
A servo is a little motor that you can turn to a precise position, from 0 to 180 degrees. For example, you say "go to 90 degrees" and it goes exactly there. You put a little arm on the shaft.

This is how you connect it

The servo has three wires:

- **Orange or yellow** (signal) to a pin, for example D9
- **Red** to 5V
- **Brown** to GND

Wiring diagram



● Arduino UNO · GND → Servo motor SG90 · GND

● Arduino UNO · 5V → Servo motor SG90 · VCC

● Arduino UNO · D9 → Servo motor SG90 · PWM

What can you do with it?

- A barrier gate
- A pointer that points to the temperature
- A waving robot arm

Tip

Do not turn the arm by hand. Then the little gears inside can break.

Projects with this part

★★ Barrier

★★★★ Automatic barrier