

# Arduino Rudder pedals



## Material

To make the rudders pedals, you'll need :

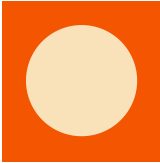
Nom	Quantité	Prix
Arduino Uno R3	1	28.80 €
Photoresistor	2	6 € for 2
Resistor	2	5 € for 50 🤖
Piezzo buzzer (optionnal)	1	5 €



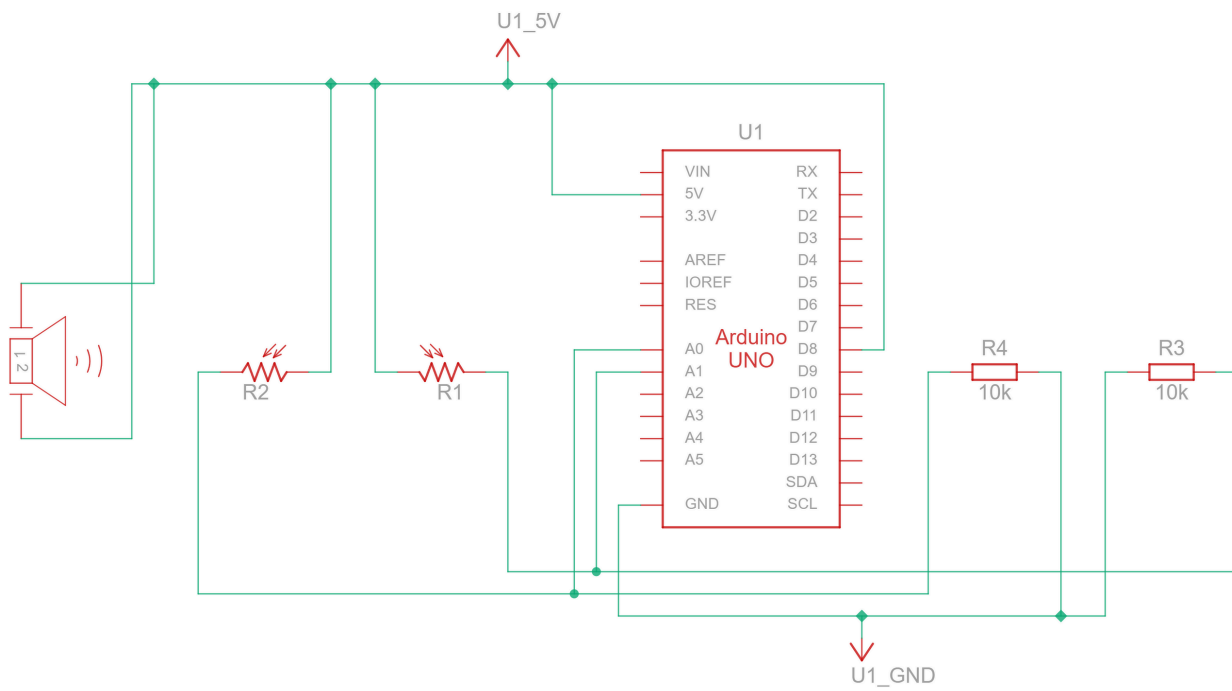
## Softwares prerequisites

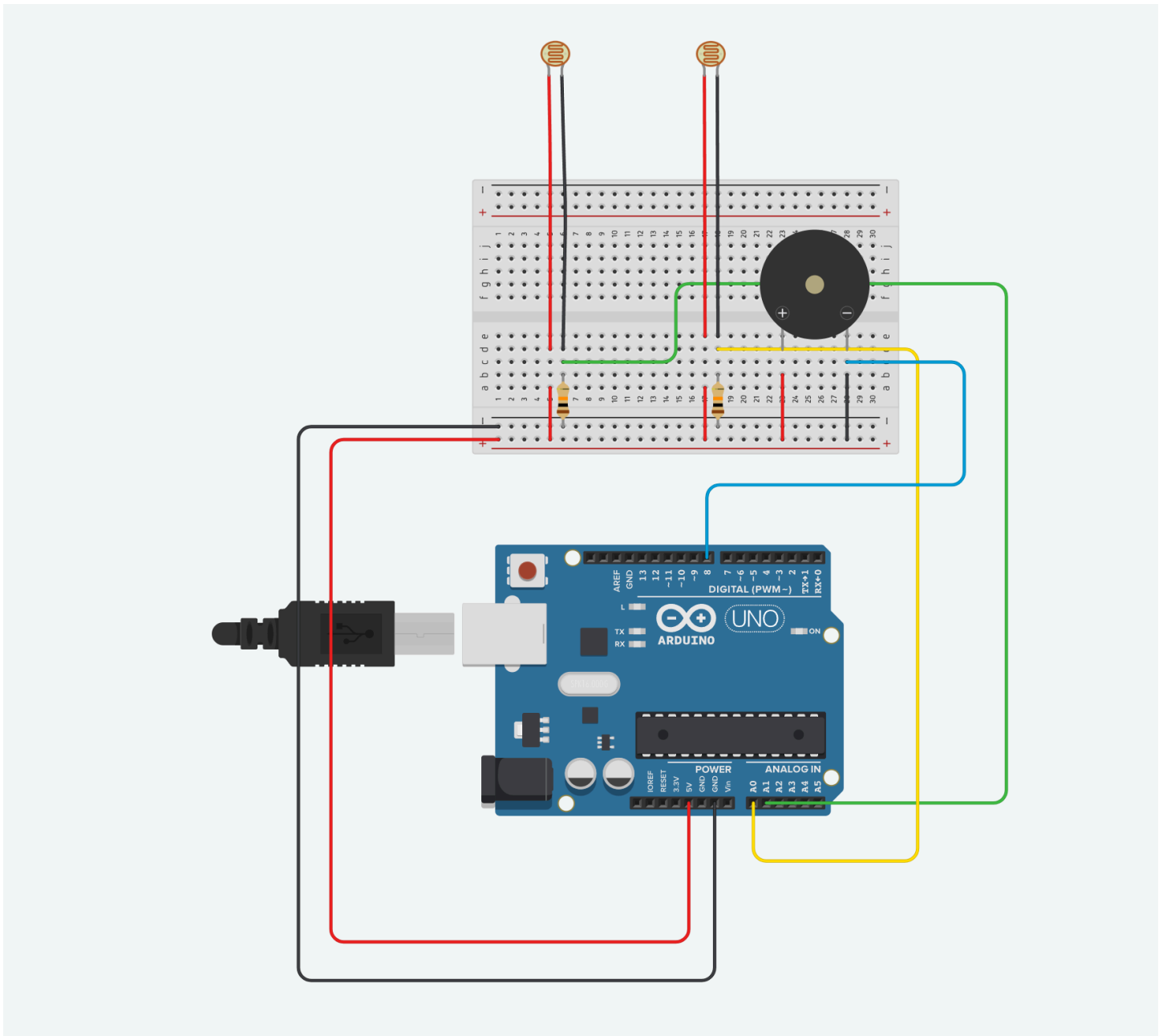
Python (No minimal version requiered)

Arduino IDE ( or any other code editor capable od uploading code to the board )

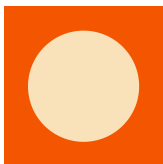


# The assembly





The buzzer is again optional as it only serves to tell you when to place your feet in front of the sensor during calibration, which is already written on the screen.



## The code

You will need 2 codes : the arduino code (.ino) and the python code (.py) accessible on the github repository :

# funvibestudio/ rudders



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Contributor

0

Issues

0

Stars

0

Forks



**<https://github.com/funvibestudio/rudders>**

Download the ZIP file from the directory (the green Code button) and unzip it. Next, open the rudder.ino file in the Arduino code editor. You can then upload the code to the Arduino board.

For the rudder pedals to work, you also need to open the rudder.py file. This file has an interface that allows you to easily interact with the rudder pedals.

Open it with Python and click Start.

The software will ask you to place the sensors at rest (without your feet in front of the sensors), then when prompted, place your feet in front of the sensors.

Wait about 10 seconds for the values to reset to -100 and be ready.

In your flight simulation software, assign the n key to the right rudder pedal and the v key to the left rudder pedal.

It's ready!!!