

# SELF DRIVING CAR

By Felix Vandemaele

## User Manual



## Step 1:

Plug your Raspberry Pi into the power bank with the micro USB cable.

## Step 2:

Connect to the Raspberry Pi using Putty or terminal on your laptop. If you connect via terminal use the command:

```
ssh <username>@<hostname>
```

## Step 3:

Log in to the Raspberry Pi with your username and password.

## Step 4:

Navigate to the folder in which the drive.py file is located.

```
cd code/
```

## Step 5:

Put the car inside the track and start the car by running 'drive.py'.

```
python3 drive.py
```

The script has multiple parameters.

- "-r " : This sets the resolution. Default is (640 x 480).
- "-l " : This enables the headlights of the car.
- "-s " : This sets the speed of the car in a straight line. Default is set to 60.
- "-f " : This sets the amount of frames taken per second. Default is set to 32.

## Step 6:

The car will keep driving until you stop it. To stop the car press:

*CTRL + C*