# Rover

The rover we used is based on instructions given by the teachers. The instruction you can find the following file “Carpet\_Rover.pdf”.

## Customized

A picture containing wall, bathroom

Description generated with very high confidenceA picture containing indoor, sitting

Description generated with high confidenceA close up of a camera

Description generated with high confidenceOur rover has been customized a little to improve the driving. First the most imported thing we changed is the back while. This wheel hinders the turning. The under side should be looking like the left picture. We also added an extra piece to make sure the motors don’t move as much as before.

## Ultrasonic senor/Sonar senor

In some exercises we require the ultrasonic sensor. We have mounted the sensor as seen in the picture. It is very usefully sinds it is easaly removable and adjustable in height.

|  |  |
| --- | --- |
|  | A picture containing indoor, floor, table, wall  Description generated with very high confidence |
|  | A picture containing floor, indoor  Description generated with very high confidence |
| A picture containing ground, floor, building, plane  Description generated with very high confidence | |

## Color senor

We also added a color sensor for the exercises. This is again easaly removable and adjustable.

|  |  |
| --- | --- |
| A picture containing indoor, table, wall  Description generated with high confidence | A picture containing floor  Description generated with very high confidence |
| A picture containing indoor  Description generated with very high confidence | |

# Configuration

In the src/libary/Constants.java you can find a few constants. You may have to configure this. We had to change it multiple times so the code could run properly.