

The program starts and immediately enters the "Main" loop.

Main

Turning is achieved by having the wheel you want to rotate around off, whilst the other is on. Therefore in the case of seeing black the left motor is off and the right is on.

This switch uses the colour sensor to check for black, red or neither ("no colour").

The robot rotates to the left (counter clockwise) if the sensor sees black.

Once the sensor has detected red the robot plays the "Stop" sound file and the program then ends.

If the sensor sees red, the loop interrupt is called and the program moves out of the "Main" loop.

The robot will rotate right (clockwise) if the sensor sees "no colour".

