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Roomba User Manual

Prerequisites

In order to build, make sure you have the following packages:

`libcv-dev, libqt4-dev, libhighgui-dev and g++.`

To install these use:
`sudo apt-get install <package>`

Compiling instructions

Run:

`./tty-setup.sh`

`make`

Operation instructions

To calibrate the camera, run robot_main while the robot is not plugged in. Then:

- Click on the ball (on a part with a strong colour)
- If required, adjust the sliders for hue and saturation as required, until optimum values for ball detection are achieved.
- Close the window to quit. The calibration settings are saved to a file.

Start the follow program with the robot plugged in and on using:

`./robot_main`

And quit with the enter key.