Autonomous Car Parking

Operating Manual

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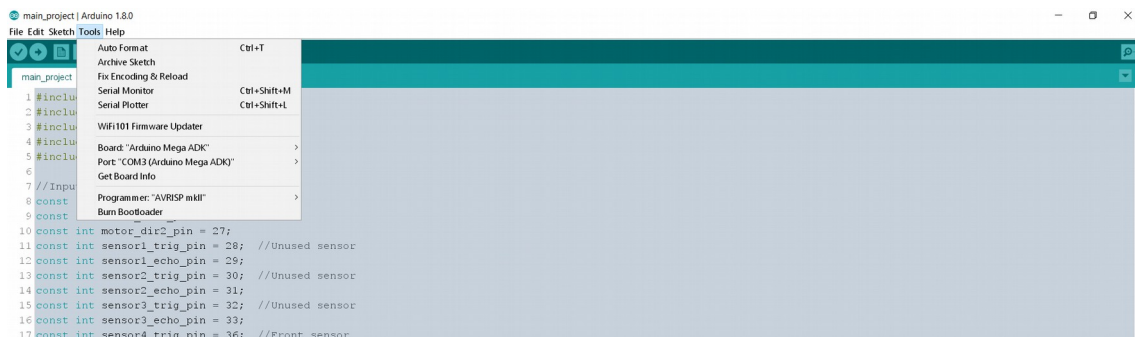Czech Technical University in Prague, Department of Measurement

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Arduino IDE:

It is necessary to use the Arduino IDE to run this project, the download link can be found here, for Windows, Mac and Linux.

Flashing the code:

To flash the code to the board, you need to connect the Arduino Mega ADK through the usb to the computer, open the Arduino IDE and open the project file(main_project.ino) on the Tools menu select the correct board and port. After doing that, press the upload arrow on the top of the window, this will compile the code and flash it to the board.

Arduino IDE, selecting board and port

Running the program:

When connected to the power, the Arduino automatically runs the program flashed to it, for this reason, a button was added to the project, the program stays in a loop doing nothing, until the button on the breadboard is pressed, only then the parking algorithm will start.