

Software Installation (Linux)

Before you can start programming your robot to move, you will need to install software (free) on a linux computer. Follow these instructions if you plan to program your robot using any linux system - including the Raspberry Pi.

There are three steps that must be completed:

1. Install Arduino IDE
2. Install Ardublock
3. Install CH341 Driver

1: Install Arduino IDE

The Arduino IDE is an open-source software that will run on your computer. The first step is to download the following software and to install it on your computer.

Download the Mac version of the Arduino IDE directly from the [Arduino website](#) and install it. It is free of charge.

2: Install ArduBlock

1. Download the [Ardublock .jar file](#). Make sure to unzip the zip file and take out the .jar file.
2. Place this .jar file into the directory: /home/abu/sketchbook/tools/ArduBlockTool/tool/
 - a. Note: you will need to create this directory and subdirectories

3: Install CH341 USB Driver

The CH341 USB Driver allows your computer to talk to the Barnabas hardware.

1. <https://learn.sparkfun.com/tutorials/how-to-install-ch340-drivers/all#linux>