

Practical Aid I

Eclipse, LeJOS, The Brick and your First Project.

A small tutorial on how to set up your eclipse and start your first project. We will assume the Eclipse you're working with already has the proper plugins installed and that the libraries LeJOS uses are installed in the default location. If this is not the case or you want to install LeJOS on your own device please follow the listed guides at the end of this document.

Note that you will have to do the following steps every practical you wish to test your code as the computers at the university will not remember these settings. Personal computers however will.

Open Eclipse, find Window, expand it and select Preferences. In the left menu of the preferences window find leJOS EV3 and click it. There are two settings that will need to be changed. First for EV3_HOME set the install location of the LeJOS EV3 Libraries. The default install location is : "C:\Program Files\leJOS EV3". You can either type this in directly or browse to the location.

Second tick the "Connect to named brick" option and set the name to "10.0.1.1". Note that this is not the actual name of the brick but the address Eclipse uses to connect to. There are some bricks which address can differ. The address is shown on the home screen of the brick itself.

Now that Eclipse is able to connect to the brick you can start programming. To do so simply start a new Java project in eclipse and select LeJOS EV3 Project as your project type. While coding your project it is highly advised to read/use the LeJOS [API documentation](#), this contains information on everything you will need. To upload and run your project right click on the .java file containing your Main function, navigate to Run As and select LeJOS EV3 Program. Eclipse will now upload this file and all others it depends on and run it. You can also find uploaded files from the brick. Do this by navigating to Programs and selecting the program you want to run.

Should you still run into any problems please ask one of the course assistants for help.

Guides:

[How to install the libraries](#)

[How to install the plugin](#)

[How to install the virtual USB network](#)