## ARGoS Installation

### For Ubuntu

1. Download the packages here: https://www.argos-sim.info/core.php

2. In the terminal, go into the folder where you download the package and run this command:

   ```
   $ sudo dpkg -i argos3_simulator-3.0.0-x86_64-beta59.deb
   ```

3. Check if the installation is complete by running the following command:

   ```
   $ argos3 -q all
   ```

If you see no errors, but a list of installed plugins, everything works.

### For MacOSX

1. Prerequisites: Homebrew

2. Install required packages

   ```
   $ brew install pkg-config cmake qt libpng freeimage \
     lua bash-completion
   ```

3. Download the sources

   ```
   $ git clone https://github.com/ilpincy/argos3.git
   ```

4. Compile and install ARGoS

   ```
   $ cd argos3
   $ mkdir build
   $ cd build
   $ cmake -DARGOS_DOCUMENTATION=OFF ../src
   $ make
   $ sudo make install
   ```

5. If you need to upgrade:

```
$ cd argos3
$ git pull
$ cd build
$ cmake .
$ make
$ sudo make install
```

## Buzz Installation

Please install Buzz only *after* installing ARGoS

1. Download the Buzz sources:

   ```
   $ git clone https://github.com/NESTLab/Buzz.git buzz
   ```

2. Compile the code:

   ```
   $ cd buzz
   $ mkdir build
   $ cd build
   $ cmake ../src
   $ make
   $ sudo make install
   ```

3. If you are using Linux, run:

   ```
   $ sudo ldconfig
   ```

## Khepera IV Robot Installation

Install ARGoS and Buzz before installing the Khepera IV plugin.

1. Download the code:

   ```
   $ git clone https://github.com/ilpincy/argos3-kheperaiv.git
   ```

2. Compile and install:

   ```
   $ cd argos3-kheperaiv
   $ mkdir build
   $ cd build
   $ cmake ../src
   $ make
   $ sudo make install
   ```