



WPI

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RBE595/CS525: Swarm Intelligence Spring-Term 2019/2020 Tools and Software Installations

ARGoS Installations

For Ubuntu

1. Download [ARGoS for Ubuntu 16.04](#) or [ARGoS for Ubuntu 18.04](#)

2. Run this command in the terminal:

```
$ sudo dpkg -i argos3_simulator-3.0.0-x86_64-beta56.deb
```

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

```
$ argos3 -q all
```

For MacOSX

1. Prerequisites: [Homebrew](#)

2. Configuring Homebrew

```
$ brew tap ilpincy/argos3
```

3. Installing ARGoS

```
$ brew install bash-completion qt argos3
```

4. Upgrading ARGoS after installation

```
$ brew upgrade argos3
```

Buzz Installation

Please install Buzz only after installing ARGoS

1. Download Buzz with these commands:

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

2. Compile the code:

```
$ cd buzz
$ mkdir build
$ cd build
$ cmake -DCMAKE_BUILD_TYPE=Release ../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 -DCMAKE_BUILD_TYPE=Release ../src
$ make
$ sudo make install
```

Kilobot Robot Installation

Install ARGoS and Buzz before installing the Kilobot plugin.

1. Download the code:

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

2. Compile and install:

```
$ cd argos3-kilobot
$ mkdir build
$ cd build
$ cmake -DCMAKE_BUILD_TYPE=Release ../src
$ make
$ sudo make install
```