

Install instructions

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Those instructions apply for a (K)Ubuntu 16.04 system. Newer version of (K)Ubuntu (or other linux variant) might work but are not supported.

```
1 sudo apt install git build-essential cmake libboost-dev qtbase5-dev
2                               qt5-qmake qt5-default qtdeclarative5-dev
3                               qtdeclarative5-models-plugin libeigen3-dev
```

Install ROS according to the instructions at <http://wiki.ros.org/kinetic/Installation/Ubuntu>. And extra packages:

```
1 sudo apt install ros-kinetic-geographic-msgs morse-simulator catkin-tools
2 sudo pip3 install rospkg catkin-pkg
```

Create a directory where to put the TDDE05 related code:

```
1 mkdir $HOME/TDDE05
```

Download the binary blob from <https://www.ida.liu.se/~TDDE05/software/lrs-pkg.tar.bz2>:

```
1 cd $HOME/TDDE05
2 tar -xjf lrs-pkg.tar.bz2
3 source $HOME/TDDE05/lrs-pkg/lrs-pkg/shells/config.bash
```

In your .bashrc file add:

```
1 source $HOME/TDDE05/lrs-pkg/lrs-pkg/shells/config.bash
```

You will need to install git-lfs from <https://git-lfs.github.com/> to get the data for the simulator:

Create a catkin workspace:

```
1 cd $HOME/TDDE05
2 mkdir catkin_ws
3 cd catkin_ws
4 catkin init
5 mkdir src
6 cd src
7 git clone git@gitlab.ida.liu.se:tdde05/lrs_march.git
8 git clone git@gitlab.ida.liu.se:tdde05/lrs_morse.git
9 git clone git@gitlab.ida.liu.se:tdde05/air_morse.git
10 git clone git@gitlab.ida.liu.se:tdde05/air_tsts.git
11 git clone git@gitlab.ida.liu.se:tdde05/air_quad.git
12 catkin build
```