

Install Gazebo

https://classic.gazebosim.org/tutorials?tut=install_ubuntu

Simulation: ROS GZEBO PACKAGE:

1)Install simulation Package:

open a terminal and type the following:

1)mkdir -p ~/catkin_ws/src

2) cd catkin_ws/src/

3) git clone -b kinetic-devel

https://github.com/ROBOTIS-GIT/turtlebot3_simulations.git

4) cd ..

5) catkin_make

-open new terminal and type:
roscore

2)Launch Simulation World:

from new terminal:

1) cd catkin_ws

2)source devel/setup.bash

1) export TURTLEBOT3_MODEL=waffle_pi

2) roslaunch turtlebot3_gazebo turtlebot3_house.launch

3)Operate TurtleBot3

open new terminal and type:

1) cd catkin_ws

2)source devel/setup.bash

3) export TURTLEBOT3_MODEL=waffle_pi

4) roslaunch turtlebot3_teleop turtlebot3_teleop_key.launch

Link for simulation:

<https://emanual.robotis.com/docs/en/platform/turtlebot3/simulation/#gazebo-simulation>

