

Wireless PS4 Controller Setup

This document outlines how to set up a PS4 controller on the ITX computer and control the Husky UGV.

The original guide can be found [here](#).

Prerequisites

- Husky software installed on the ITX computer, see relevant guide in project or refer to Clearpath Robotics website for installation.
- Bluetooth capabilities for the computer, such as a Bluetooth dongle.
- Ubuntu BlueZ package. Can be installed via: `sudo apt-get install bluez`

Steps

Run the following commands:

```
$ bluetoothctl  
agent on  
scan on
```

You should be able to find the controller named as “Wireless Controller” or similar. Grab its MAC address.

```
scan off  
pair <MAC ADDRESS>  
trust <MAC ADDRESS>  
connect <MAC ADDRESS>
```

Press ctrl + d to exit.

Now you should be able to control the Husky UGV by pressing L1 on the PS4 controller and drive it with the left analog stick.