

# Table of Contents

1. Joystick .....	2
1.1. Repository.....	2
1.2. Prerequisites .....	2

## Welcome

### Project Willy

- [History of Willy](#)
- [Project Willy](#)
- [Publicity](#)
- [Sponsors](#)

### Getting started

- [Introduction to ROS](#)
- [Development Guide](#)
- [Driving Willy](#)
- [Manual](#)
- [Wiki Manual](#)

### Build of Willy

- [Design history](#)
- [Hardware](#)

### Architecture

- [Software Architecture](#)
- [ROS topic design](#)

### Raspberry Pi's

- [Sensor node](#)
- [Social Interaction node](#)
- [Power node](#)

### Components

- [ROS master](#)
- [New ROS master on Lubuntu](#)
- [Sonar](#)
- [Lidar](#)
- [Kinect](#)
- [Localization and navigation](#)

- [Motor controller](#)
- [Joystick](#)

## Lessons learned

- [Todo & Advice](#)
- [Lessons Learned](#)

## Archive

- [Previous Groups](#)
- [Research Archive](#)
- [Skylab Architecture](#)
- [Skylab](#)
- [Multi master](#)
- [WillyWRT](#)
- [Realisation](#)
- [Hardware](#)
- [Brain](#)
- [Design Guild](#)
- [Social interaction](#)
- [Speech](#)
- [Speech recognition](#)
- [IMU](#)
- [Human Detection](#)
- [Radeffect App](#)

# 1. Joystick

The joystick is a node to process the raw joystick input signal to the direct input topic.

## 1.1. Repository

[Windesheim-Willy/joystick](#)

## 1.2. Prerequisites

The Laptop requires the device `/dev/input/js0` to be connected to the host. In most cases a (knock-off) PlayStation 3 or Xbox 360 controller will do the trick. The controller requires to have the *front right shoulder button marked R1* be pressed when controlling Willy with the left analogue stick. This

component uses the default settings for *teleop* twist joy package, which may require a bit practice to maneuver through the building.