# Making the Pi Usable for the ROS system

# Installing the system:  
1. Install Ubuntu Server 20.04.2 LTS ARM64 on RPi SD card (RPI Imager)

# Configure SSH and WiFi

2. Place an empty file called ssh in the boot directory of the SD card

Windows: type nul > D:\ssh

Linux: touch ssh

3. edit network-config on the sd card -> Setup your WiFi network

“openROS” – “openroswifi”

#Connect to the Pi

ssh [ubuntu@192.168.1.113](mailto:ubuntu@192.168.1.113)

4. install ROS2 Foxy acccording to the tutorial

5. install colcon

6. install teensyduino

7. install udevadm bois

8. copy src and launch files

9. colcon build

10. start!