

# **User Manual**

## **1. Intrduction to B.o.b**

B.o.b stands for Bertrandt-office-bot.

He will be used for operating and assisting around the office.

Its primary use will be to bring coffee to a very thirsty Employee.

He will be doing that autonomously using image detection and Machine Learning.

B.o.b is approximately 60 cm long and 30 cm wide.

B.o.b has a camera mounted to a pole at approximately 1.2 Meters so its view is not obstructed.

B.o.b uses two Motor drivers which are connected to the two motorized Hoverboard wheels to steer.

At the front he uses a single wheel to stabilize.

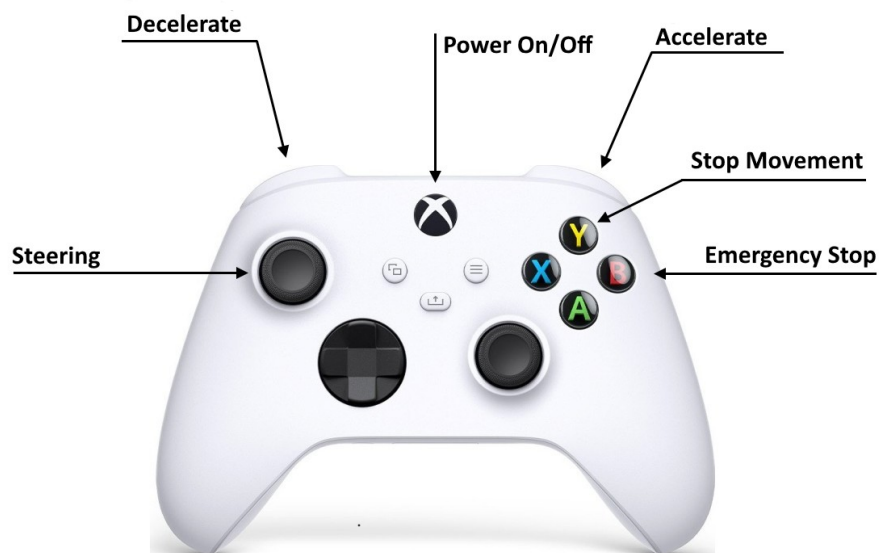
You will also be able to drive B.o.b using a XBoxOne controller.

## **2. User interface**

B.o.b will be using a very simple Button Layout to allow for an easy introduction to the Product.

### **Button Layout**

Left Joystick	Steering
Left Shoulder Button	Accelerate
Right Shoulder Button	Decelerate
B Button	Emergency Stop
Y Button	Stop Movement



### **3. Safety Warnings**

- Do not put heavy Objects on B.o.b
- Do not stand directly in front of B.o.b
- If at any time B.o.b gets out of control push the Emergency Stop button
- Only use B.o.b on flat terrain