

# bertrandt

## B.OB

Updated Time: 25.12.2023

Project: B.OB Quick Start Guide

**Note:** Please ensure that you follow the safety guidelines mentioned in this manual.

### 1. Introduction

Welcome to the B.OB Quick Start Guide. This document will help you set up and run the project quickly.

### 2. Getting Started

#### Method 1: Using SSH Connection

- Ensure your laptop is connected to the "GRP-wifi-Pub" network (or same network as bob).
- Connect bob to power via battery.
- Open your command prompt or terminal on your laptop.
- Enter the following command:
  1. `ssh ubuntu@<ip address for bob for ex. 172.22.2.179>`
  2. When prompted, input the password: "bertrandt".
- Navigate to the project directory: `--> cd BOB2/src/catkin_ws`
- Run the project: `--> roslaunch bob2 XboxController.launch`
- The project will start running.
- To stop the project, press Ctrl+C.

#### Method 2: Using HDMI Monitor

- Connect BOB to a monitor via an HDMI cable, as well as keyboard and mouse.
- Power on bob by plugging in the battery.
- When prompted, log in with the following credentials:
  1. Username: ubuntu, Password: bertrandt
- Open a terminal by pressing Ctrl+Alt+T.
- Navigate to the project directory: `--> cd BOB2/src/catkin_ws`
- Run the project: `--> roslaunch bob2 XboxController.launch`
- The project will start running.
- For this case connect XboxController to stop it by pressing X Button

-> ssh is recommended

### 3. Important Notes

- Remember not to leave the battery plugged in after finishing to prevent battery damage.
- The command, "roslaunch bob2 XboxController.launch," is used to run the project. You can change "bob2" in package.xml and CMakeLists.txt.
- To shut down the system, use the command: --> sudo shutdown -h now
- At the beginning, scan QR code 0 to start running BOB (this step can be deleted or changed based on project requirements).
- Always close BOB cover to prevent unexpected behavior.
- Better to press Emergency button if Bob it's not running.
- For powering issue regarding to the lidar (till the issue been solved) after running raspberry pi wait for while to run the project, also take off the camera cable and plug it again after the lidar it might help.
- BOB does not recognize the glass.

#### 4. Conclusion

You are now ready to start and run the BOB. If you encounter any issues or have questions, please refer to the project documentation or contact the support team for assistance. This quick start guide should help your colleagues get the project up and running efficiently using both SSH and HDMI monitor methods while emphasizing important safety and operational notes.