

Operation manual for robot

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1 Switching on robot:

1. Twist the knob button on top of one of the boxes.
2. Wait 2-4 seconds. Double click the black knappen(button) quickly. This will start ubuntu.
3. Wait 5 seconds. Click the same black button 4 times quickly to start all systems.

2 Moving and taking pictures:

1. start the Teleportation (with Gamepad picture) application in desktop. This activates roscore, so no need to run roscore in another terminal.
2. In a new terminal type : `roslaunch roscamera_python serial_node.py`
3. In another new terminal type:
 - `sudo chmod -R o+rw /dev/bus/usb`
 - `roslaunch insta_camera insta_camera_server`

In this step, we might get an Error the first time. If the cameras are not connected and turned on, connect them and turn them on. and run the chmod command again, followed by insta camera

4. Finally run the python script to operate camera through gamepad. Other versions of python code are in same folder.
 - `cd /thorvald_ws/src/vpheno_srv/scripts/`
 - `python take_picture_one_gamepad.py`
5. Use the 2 joysticks for movement and direction. Shoulder and trigger buttons(right and left index fingers for triggerig cameras)