NAO User Guide for Robotics Lab
Innopolis University

Content:

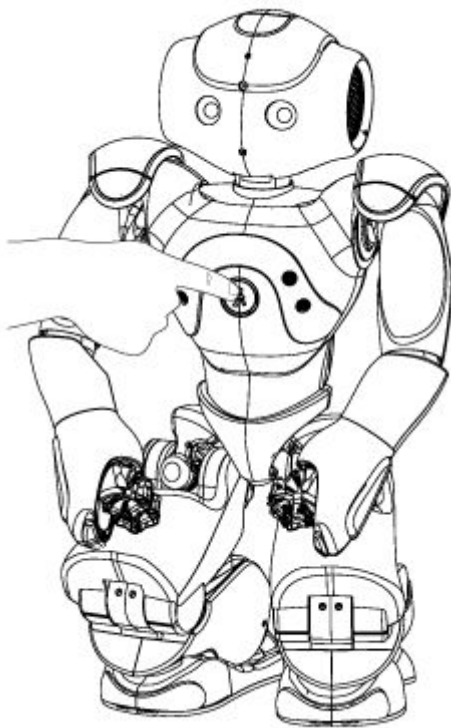# Turning NAO on/off

Turning on:

1. Press the Chest button once.
2. **The boot process takes approximately one minute(actually more: about three minutes).**
3. Progression is indicated by the blinking and the lighting of the different LEDs.
4. The boot process is completed when NAO says *"OGNAK GNOUK"* while its Chest button becomes white.

This is his initial position, from that he can easily stand up.
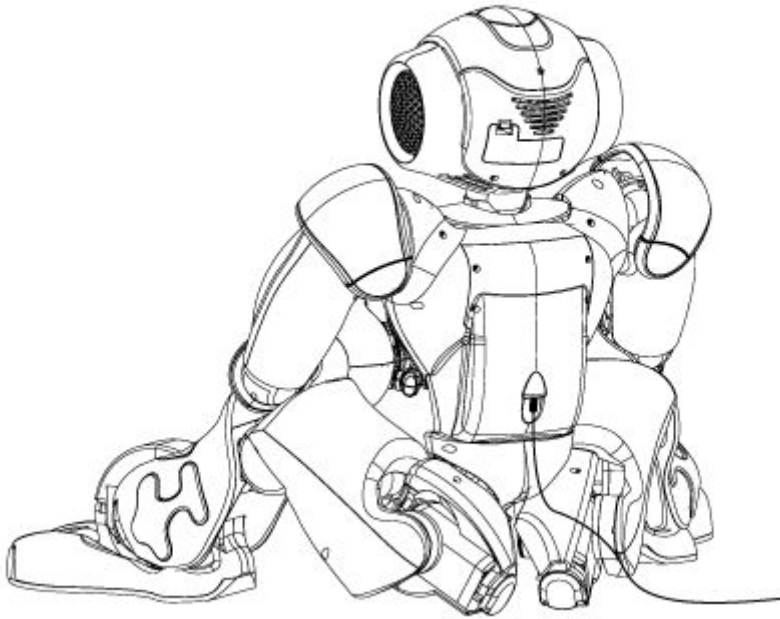

Turning off:

1. Press and hold the Chest button for 3 seconds, until NAO says *"GNUK GNUK"*.
2. **The shutdown process takes approximately 18 seconds.**
3. The tactile-head LEDs fade, and the ear LEDs fade one by one, as a progress indicator.
4. The shutdown process is completed when all the LEDs are off.

Please be careful when turning off and hold him so that he does not fall.

Charging NAO:

1. Plug the adaptor into NAO's back while he's in a stable position and leave him to charge for at least 2 hours. He should not walk or lie down while charging.

Interacting with NAO without any device

Wi-fi/ Wired connection

Working in Choregraphe

a. Downloading/Customizing Choregraphe
b. Connection to Choregraphe
c. Creating sequence of movements

Detected Problems of Frodo(Blue NAO) and HitlerCaput(Red NAO)

Blue NAO:

1. Cannot connect to network, cannot connect to cloud services.
2. Sometimes has problems with motors in left leg.

3. Suddenly falls, it must be held.

Red NAO:
1. Doesn't interact with people.
2. Has a strange name.

If this document was not enough for you and you want to get deeper knowledge in this field you can watch video tutorial here:

https://community.ald.softbankrobotics.com/en/content/nao-robot-course