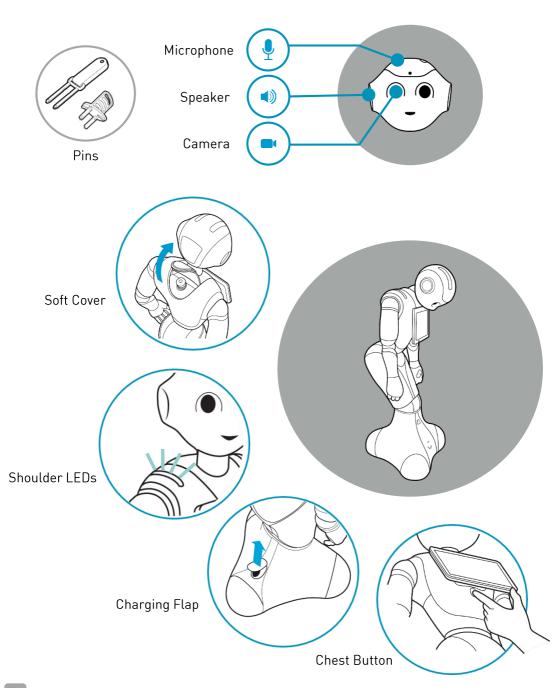






Description



Postures



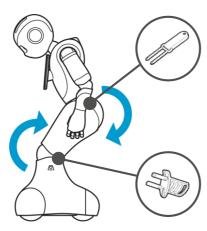
Standing Posture



Safe Posture



Using the Pins



Pins inserted



Knee and hip joints can **move freely**.

Pins removed



Knee and hip joints are **blocked.**

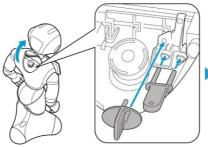


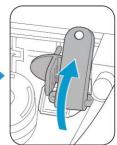
Do not insert the Pins when Pepper is ON. Insert the Pins only when:



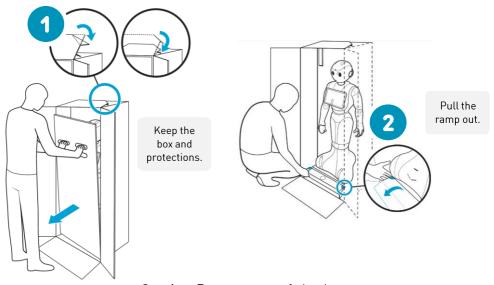
- cleaning Pepper.
- reboxing Pepper.
- putting Pepper in Safe Posture.

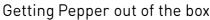


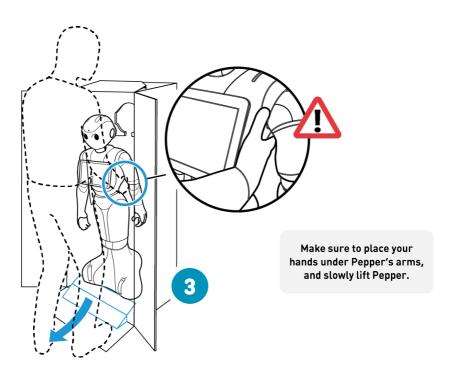


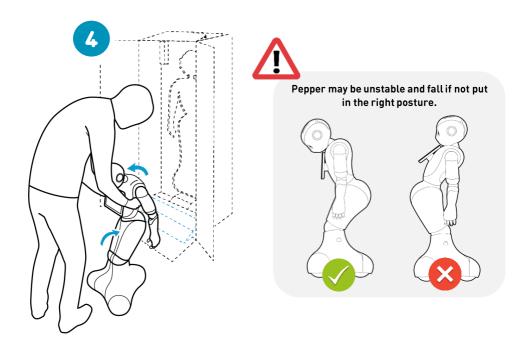


Preparation

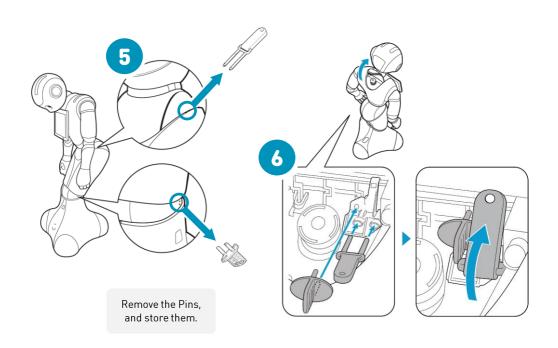






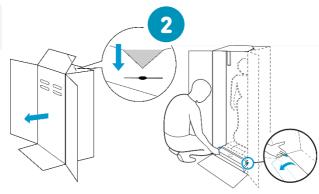


Getting Pepper ready

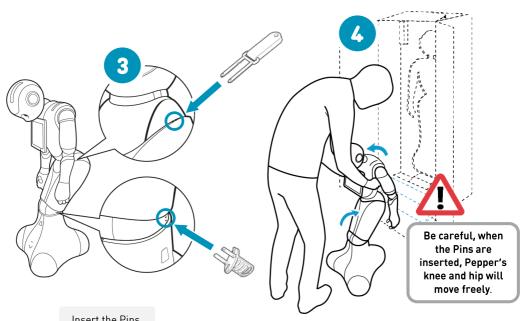


Preparation





Getting Pepper in the box

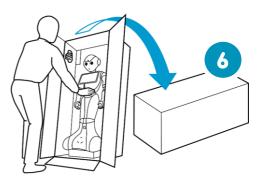


Insert the Pins.

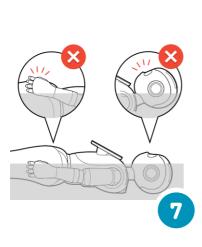
Bring Pepper in front of the box, and make sure the Charging Flap is closed.

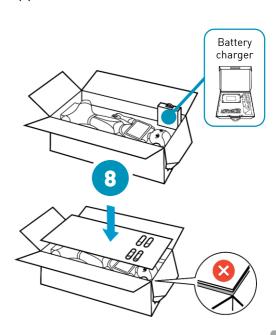


Put Pepper in Standing Posture while pushing into the box. **Be careful, Pepper could be unstable.**



Adjusting Pepper in its box

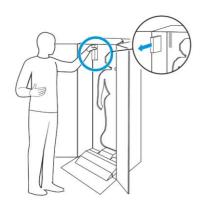


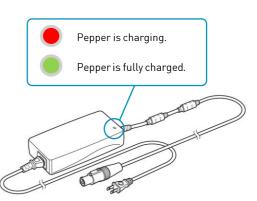




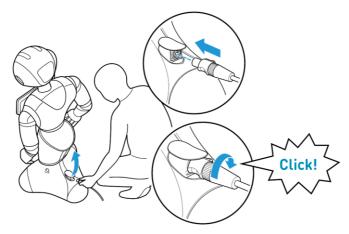
Charging Pepper

The battery charger

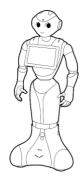




Plugging the battery charger



Autonomy & Charging time





A fully charged Pepper can last **8h~12h** depending on the activity.



Stop Button



When do I use the Stop Button?



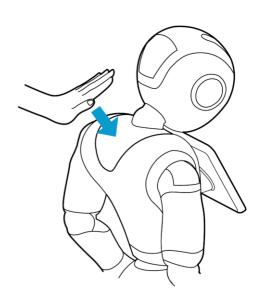
For Security

- When Pepper is switched OFF
- When Pepper is stored or boxed
- During cleaning



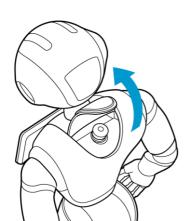
In case of emergency

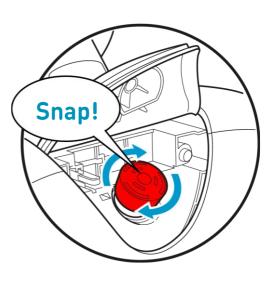
- Liquid projection
- Pepper has fallen
- Unexpected physical behavior



Unlocking

If the Stop Button is pushed down, make sure to unlock it before turning Pepper ON.

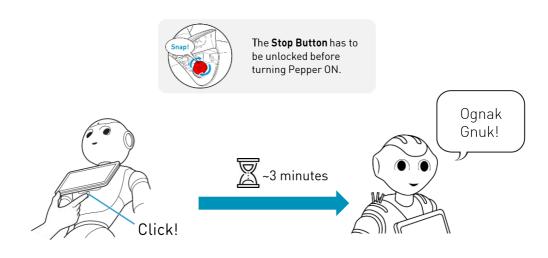




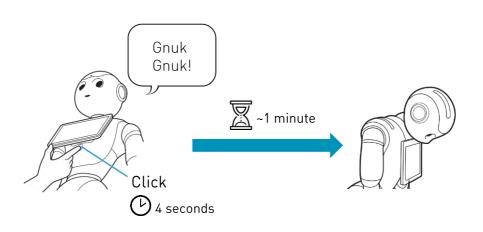


Operating Pepper

Turning Pepper ON



Turning Pepper OFF

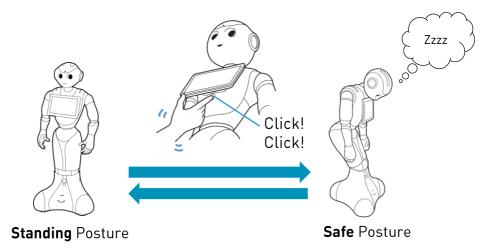


If Pepper doesn't turn OFF using the above method, try to push on the Chest Button during 8 seconds, and Pepper will switch OFF instantly.



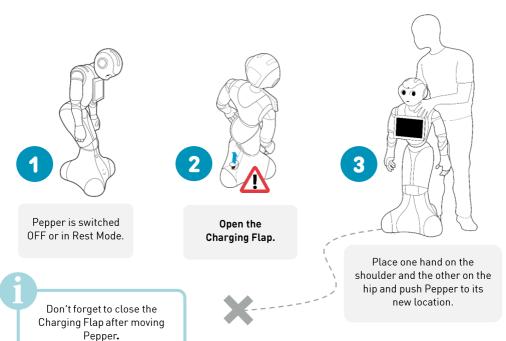
By using this method you could lose all your data.

Rest Mode



In Rest Mode, **Pepper stops its activities and motors**: it will not be able to speak or move by itself.

Moving Pepper around





Interaction with Pepper

Engagement zone



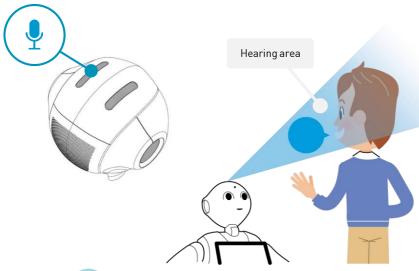
ZONE 1 When Pepper detects a human in this zone it will engage the conversation.





ZONE 2 When Pepper detects a human in this zone it will react and make signs to encourage the interaction.

Microphone Performance



1

Pepper Hearing area is narrow. Keep in mind that Pepper will only listen where it is looking at!

Talking with Pepper

Pepper will need some help to understand you:





Make short sentences.



Don't speak too fast!



Make sure Pepper is listening (see below).



Stay close to Pepper.



Pepper won't listen to you at all times: it needs to see you before!

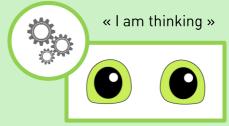
You can tell what Pepper is doing by **the color of its eyes.**







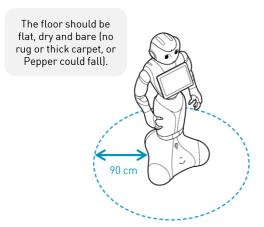






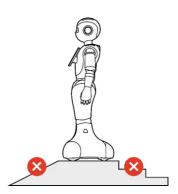
Choosing Pepper's location

Location



Make sure that there is at least 90 cm (approximately 3 feet) of free space around Pepper.

Do not put Pepper near steps or slopes as it could fall.



Environment

Pepper should be placed in a quiet zone for voice recognition performance.





Make sure there is no intense light in Pepper's field of view, or interaction could be interrupted.



Pepper is designed for indoor use only.





There should be no obstacle within a range of 2 m in front of Pepper, as it could be recognized as a human.

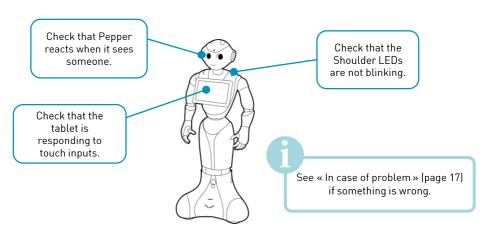


Daily Maintenance

Pepper is operating



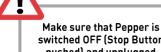
To ensure an optimum robot experience, you should check the following points 2 or 3 times per day.



Cleaning Pepper



You should clean Pepper at least once a week.



switched OFF (Stop Button pushed) and unplugged during cleaning.



If needed you can insert the Pins.





You can use a soft dry cloth, or standard cleaning wipes.



Do not use water.



Do not use alcohol or ammonia-based products.



Wi-Fi requirements

Description

Pepper has one Ethernet connection and two Wi-Fi connections. **Only the Head Wi-Fi is required.**WEP, WPA and WPA2 securities are supported. WPA2 is preferred.

Head Wi-Fi

IEEE 802.11 a/b/g/n, Security 64/128 bit, WEP, WPA, WPA2 personal



Tablet Wi-Fi IEEE 802.11 a/b/g/n

Estimated bandwith

NAOqi OS update ≈ 400 MB



Download applications during first configuration $\approx 300 \text{ MB}$



Update of content already installed on the robot $\approx 30 \text{ MB}$



Every day network traffic ≈ 10 MB

Wi-Fi recommandations



Should have:

- Minimum download speed 10 Mb/s
- Minimum upload speed 5 Mb/s
- Signal above -65 dBm
- Maximum latency 50 ms

X

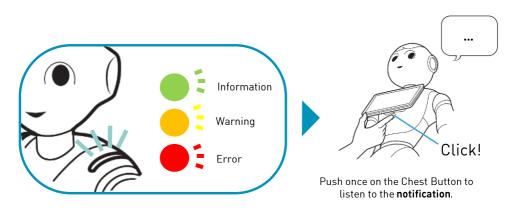
Should avoid:

- Hidden networks
- MAC address filtering
- Port filtering



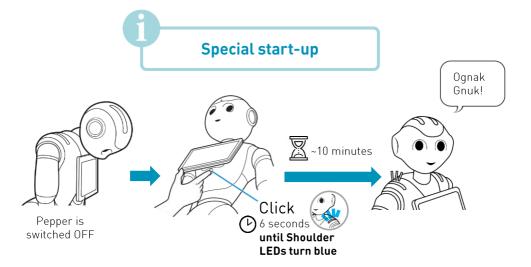
In case of problem

Your robot doesn't move or speak? Check if the **Shoulder LEDs** are blinking:



If Warning or Error

Restart your robot using the below **Special start-up**. It will make Pepper reinstall the firmware of its electronic boards.



If LEDs are not blinking

Try to restart your robot normally. If the problem persists contact Support: https://account.aldebaran.com/support/



Checklist

Before contacting Support



Have you unlocked the Stop Button?

Page **9**



Is Pepper's battery fully charged?

Page 8



Is the Wi-Fi connection working?

Page **16**



Did you try the Special start-up?

Page **17**