

How to get started with NAO and NAO Activities?



First use of NAO6 (1/2)

A - Take NAO out of its box

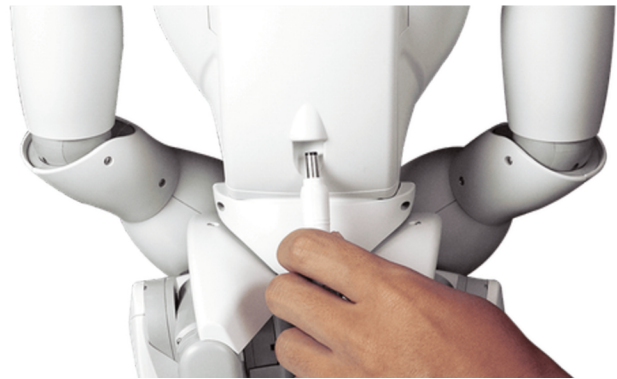
Install NAO seated, with elbows on knees



B. Plug in the charger

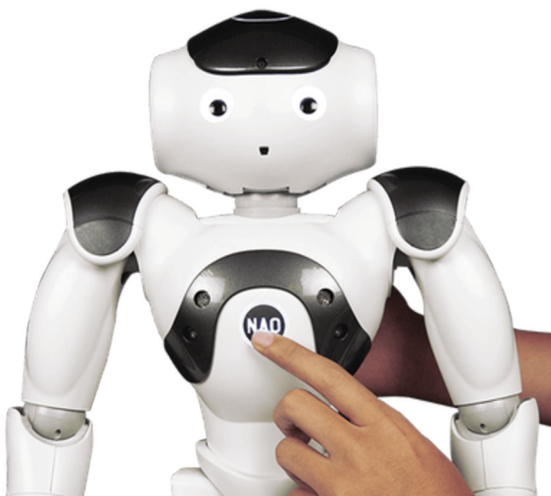
Connect NAO by inserting the charger into the back of NAO.

It can continue to be used while charging. A full battery allows NAO to run for 45 to 90 minutes, depending on what the robot is doing.



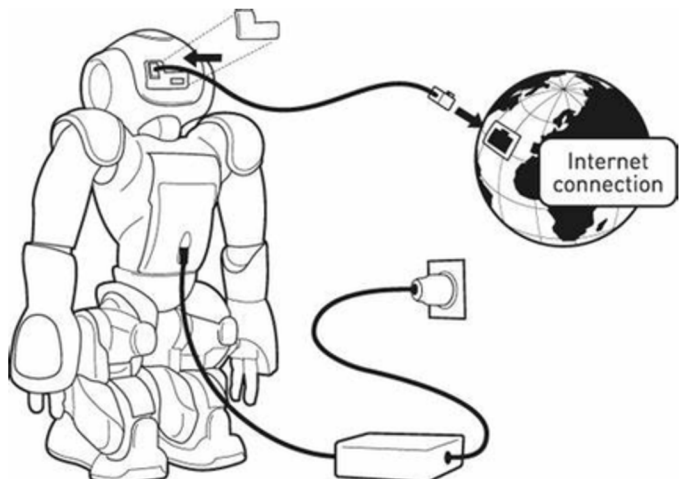
C - Turn on NO

Press the chest button for 1 second



D - Connect NAO to the Internet

Plug an Ethernet cable into the back of the NAO head, then plug the cable into an Ethernet port in your classroom or a computer connected to Wi-Fi (depending on your computer's security level).



First use of NAO6 (2/2)

E - Download "Robot Settings" (the software icon must be pink, not blue. Blue version is the old one)

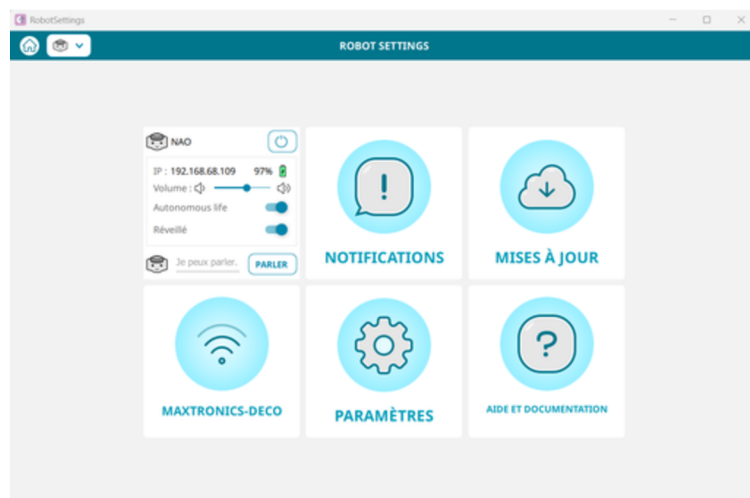
Robot Setting is the application to install on your computer that will allow you to perform the initial configuration of the robot and much more.

- Download the Robot Settings software here:
<https://maxtronics.com/en/robot-settings/>
- Launch the setup wizard to install it on your computer.



F - Connect your NAO to Robot Settings

From Robot Settings, you can adjust the volume, configure a WIFI network to use, and change the language of NAO, and start the updates to get the application you have downloaded from the App Store



To connect with your NAO, search for NAO or enter its internet address. NAO gives his Internet address by clicking 1 time on his chest button. Example: 190.120.10.196. Do not forget the "." between numbers.

Important:

- Your computer must be connected to the same network as NAO!
- If you change your internet network, NAO will update its internet address. You will then need to reconnect to NAO using the new internet address. A restart may sometimes be necessary.
- Avoid dual networks. If you wish to use Wi-Fi, you must remove the Ethernet cable from the NAO head unit; otherwise, the two networks may conflict.

First use of NAO Activities (1/2)

Apply the update to NAO

A - Use “Robot Settings” to update your NAO with version 2.8.8.5, which is compatible with AI.

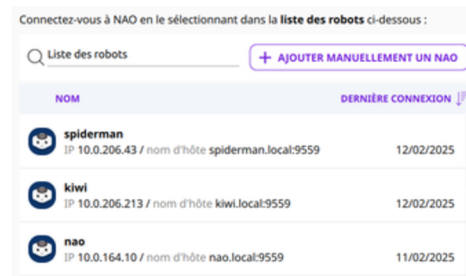
Open Robot Settings or download it here:

<http://www.maxtronics.com/software/robot-settings/>



Make sure that NAO and your PC are on the same Wi-Fi network.

B - Connect to NAO: On the login page, search for NAO or enter its IP address. The port number used for the connection is now 9561.



C - Click "Update" in the update notification at the top of the screen.

The update will be performed directly on the robot and may take some time depending on your internet connection. We recommend using an Ethernet cable connection. Follow the instructions in Robot Settings to complete the update.



Note: If the update is hidden in the “UPDATES” window, the notification will be offered again on each new connection.

Note: After the update, the robot may mistakenly display an older version. Check the installed version on the Robot Settings page via the “SETTINGS” or “UPDATES” tab.



IMPORTANT : This new version NAOqi 2.8.8.5 is changing the way to daily manage your NAO and requires:

- The installation of a new version of Robot Settings <https://maxtronics.com/en/robot-settings/>
- To download or upload applications from a new application store <https://cloud.nao6.maxtronics.com/>
- The change of the port number to connect NAO to Choregraphe from 9559 to 9561

The Software Update documentation is here: <https://maxtronics.com/en/new-sw-update-nao6/>

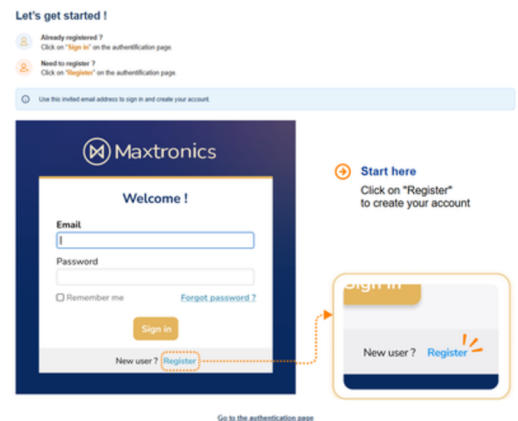
First use of NAO Activities (2/2)

NAO Activities License Activation

A - Open the email "Welcome to MyCobiotX!"
from no-reply@cobiotx.com. (Check your spam folder)

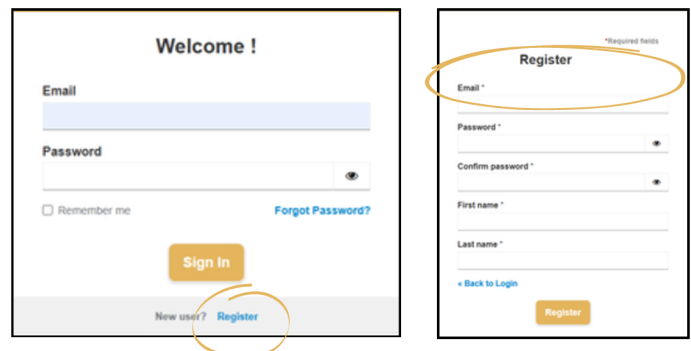
B - Click on the link at the bottom of the email
"Go to the authentication page"

If the button doesn't work, click on the link below the text.

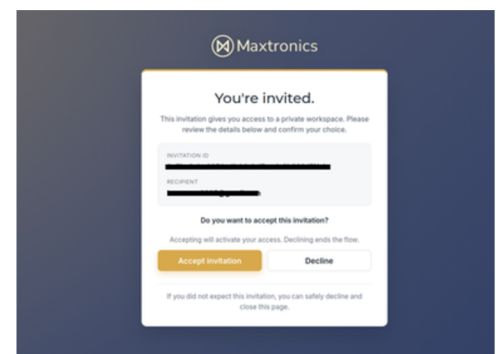


C- You will be redirected to the MyCobiotX website.
Click on "Register"

- Next, enter your information.
- Make sure you use the email address to which the invitation was sent.
- Click on "Register"



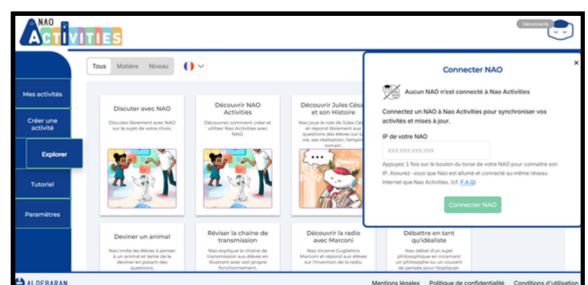
D - Accept the invitation
Click on Accept invitation button



E - Connect NAO to NAO Activities to link your account

Click on the NAO icon in the top right corner and download the proxy, then enter the internet address in the field.

Upon the first connection, NAO will be able to retrieve the activities present in the library. Launch an activity by clicking on "Apply to NAO" or by showing the QR code



How to use NAO Activities?

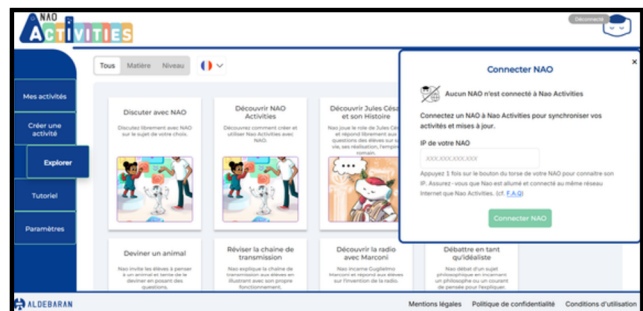
A. Log in to: <https://nao-activities.maxtronics.com/>

B. Connect to your NAO by clicking on the robot image in the top right corner.

You will need to download the proxy and then enter its internet address.

Upon the first connection, NAO will be able to retrieve the activities present in the library.

Note: NAO must be connected to the Internet via WIFI or Ethernet, on the same network as your computer.



C. Launch an activity by clicking on “Apply to NAO” or by showing the QR code.

Take the activity card of your choice and show the QR code to NAO. Then chat freely with NAO to discover the activity.

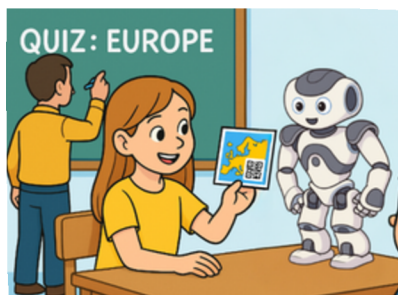


D. Create your own activities

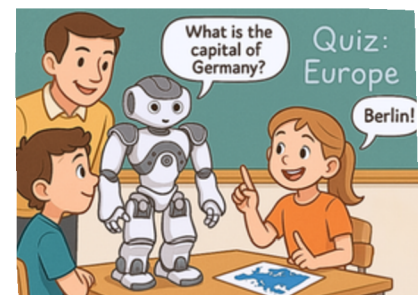
Go to “Create an activity” to write the instructions. Then save and test it. Iterate until you are satisfied with NAO's behavior.



Create an educational activity based on a simple text.



Present the generated QR code to NAO



NAO can explain, create exercises, quizzes and games about your lesson.

Applications Mode: Voice Commands

To use this mode, you need to have downloaded the "Basic Channel" and "NAO6 Discovery Apps" applications from the app store at this address: <https://cloud.nao6.maxtronics.com/channels/>

Speak to NAO when his eyes are blue; he needs to see your face first.

CONVERSATION OUT OF AI MODE

Songs:

- "Sing happy birthday"
- "Can you sing?"

Settings:

- "Speak softer." "Speak louder"
- "Set the volume to x%"
- "Speaks English" or "German / French / Chinese / Italian / Japanese / Spanish"
- "What is your battery level?"

Discussions: (basic, without AI)

- "Hello"
- "How are you ?"
- "What's your name ?"
- "How old are you?"
- "Shut up / Be quiet"
- "You can speak again."
- "Can you repeat?"
- "What time is it?" "What day are we?"
- "Do you eat?" "Do you have a heart?" "How tall are you?" "When is your birthday?"
- "Goodbye" / "See you later"

Movements:

- "Sit down" / "Can you sit?"
- "Stand Up" / "Can you stand?"
- "Say hi to me."
- "Squeeze my hand."
- "Cover your eyes."
- "Turn your head."
- "Can you cross your arms?"
- "Look elsewhere."
- "Look up."
- "Lower your eyes."
- "Do a backflip."
- "Turn your head 360 degrees."
- "Move your head."
- "Turn your head to the right / left"
- "Can you stretch your arms?" / "Raise your arms"
- "Open / Close your hand."
- "Put your hands behind your back."
- "Lie down or lie on your back/stomach"
- "Rest or Relax"
- "Turn yourself off." "Restart."

DANCES

Danse Head Shoulders

Say: "Head Shoulders Dance" or "head shoulders knees and toes" or "head and shoulders"

Mister Funk Dance

Say: "mister funk" "Start mister funk" "launch mister funk" "mister funk dance"

Make Me Dance

Say: "make me dance" or "animation game"

Nice Lark Dance

Say: "Lark nice lark" or "nice lark by Henri Des"

Electro Swing

Say "Electro Swing"

The wheels on the bus:

Say: "The Wheels on the Bus" or "The Wheels on the Bus Dance"

Rain Dance

Say: "Rain, Rain Go Away" or "rain dance"

Soft Robot:

Say: "soft robot" or "soft robot lullaby dance"

Hush little baby

Say "hush little baby" or "lullaby dance"

Smop Dance

Say: "smop dance" or "Japanese song"

Eagle Dance

Say: "Eagle demonstration" or "Eagle dance"

Taichi

Say: "taichi dance" or "Start taichi dance" or "Launch taichi dance" or "Taichi Demonstration"

Twinkle Star:

Say "twinkle twinkle" or "Sing Twinkle" or "Twinkle Star"

Applications Mode: Voice Commands

To use this mode, you need to have downloaded the "Basic Channel" and "NAO6 Discovery Apps" applications from the app store at this address: <https://cloud.nao6.maxtronics.com/channels/>

Speak to NAO when his eyes are blue; he needs to see your face first.

DEMONSTRATIONS

Demonstration of his abilities:

Say "Presentation" or "Introduce yourself"

Walk Together Demonstration

Say: "Walk Together Demonstration" "follow me" "come with me" "give me your hand" "let's walk together" "let's take a walk"

Demonstration d'exploration

Say: "Exploration demonstration" or "go for a walk" or "go for a stroll" or "go explore" or "take a walk"

Exploration Demonstration

Say: "Exploration Demonstration" "take a walk" "go for a walk" "go exploring" "take a look around"

Soccer Demonstration

Say: "Soccer Demonstration" "shoot the ball" "soccer demo"

Puppet Demonstration

Say: "Puppet Demonstration" "replay animations" "replay moves" "animations recorder" "move recorder"

Grasping Demonstration

Say: "Grasping Demonstration" "grasping" "grab something" "grab an object"

STORIES

StarWars Story

Say: "Star wars"

Three Musketeers Story

Say: "three musketeers" "Three Musketeers Story"

Pirate story

Say: "pirate story"

Story: Christmas Eve

Say: Christmas Eve

GAMES

Yoga Game

Say: "Yoga Game" or "yoga adventure" or "yoga app" or "practice yoga" or "let's do yoga"

Memory Game

Say: "Memory Game" "nao memory"

Bumper Game

Say: "Bumpers Game" "touch my head" "play with bumpers"

Guess the Sport Game

Say: "Mimic a sport" "Guess sports" "Guess the Sport Game"

Color Hunter:

Say "color game" or "find colors" or "color hunter"

Parrot Game:

Saying "parrot" or "play parrot" or "show me your voice recognition"

Word Spelling Game

Say "Word Spelling"

Bingo:

Say: "launch bingo" or "bingo" or "play bingo"

RELAXATION

Relaxation

Say: "relaxation" or "breathing exercise" or "magic balloon" or "start relaxation" or "quiet time" or "calm moment"

How do I switch from NAO Activities mode to Applications mode?

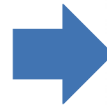
By default, when NAO is turned on, Applications mode is activated. The LEDs on the feet are off. To start NAO Activities mode, press both feet simultaneously once. The LEDs on the feet will turn green.



LEDs on the feet off = programmed applications mode



Press down once on both feet at the same time



Green feet LEDs = NAO Activities (AI) mode activated

To exit NAO Activities mode, place your hand on NAO's forehead, covering its camera, and press the first button for 3 seconds (you should hear 2 bloups). The LEDs on the feet turn off, NAO has exited NAO Activities mode.



Green feet LEDs = NAO Activities (AI) mode activated



Place your hand on NAO's forehead, covering her camera, and press the first button.



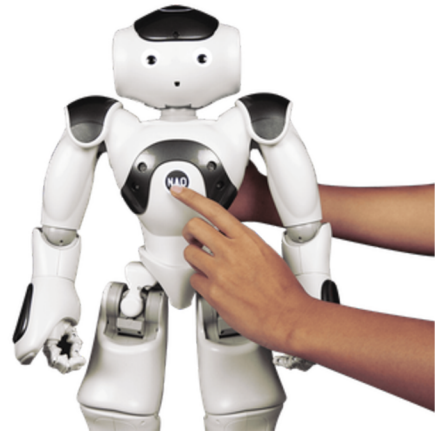
LEDs on the feet off = programmed applications mode

NAO6 Essentials (1/3)

Turn NAO On and Off

To turn on NAO, press the Torso Button once.

To turn off NAO, press the Chest Button until NAO says "Gnuk Gnuk" (~3 seconds).



Charger NAO

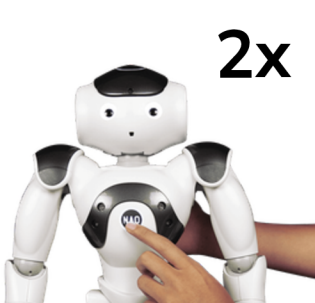
Plug in the NAO when the battery is empty. It can continue to be used while charging.

A full battery allows NAO to run for 45 to 90 minutes, depending on what the robot is doing.

Warning: A battery that has not been charged for more than 3 months may stop working. Please recharge your battery at least once a month.



Manipulating NAO



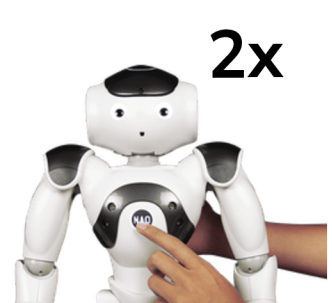
Press the Torso Button twice to turn off its motors.



Hold NAO by the waist to wear it without pinching yourself.



Position NAO seated, with her elbows supported and resting on her knees.



Press the Torso Button twice to restart its motors.

NAO6 Essentials (2/3)

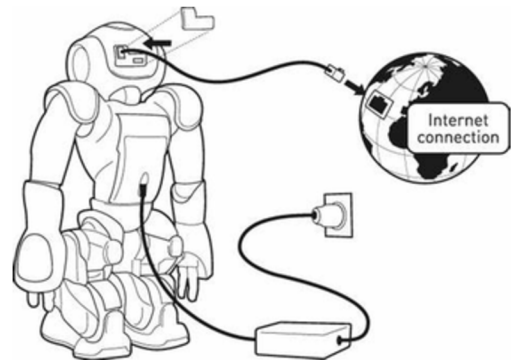
Connect NAO to the Internet

Via Ethernet cable:

Plug one cable into the back of the NAO head, then plug the other end of the cable into a network socket.

Via Wi-Fi: Once connected via Ethernet, configure your Wi-Fi settings in the NAO webpage. Note that if you change your internet network, NAO will change its internet address, and you will need to reconnect to its webpage using a different IP address.

A restart may be necessary



Change robot settings

Press the chest button once, NAO will say its internet address.

Open a web page and type in the address that NAO will give you.

Example: <http://190.120.10.196>

Username: nao / Password: nao

Open **Robot Settings** where you can change its settings (volume, Wi-Fi, language, etc.).

Note: your computer must be connected to the same internet network as NAO.

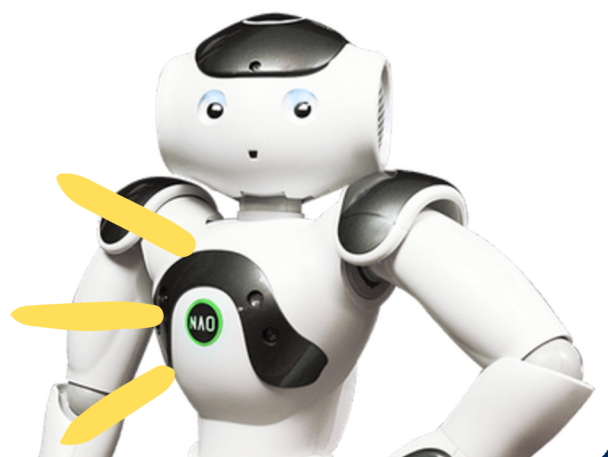
Change the volume

Either by telling him "speak louder", when he is not in AI mode, so feet off.

Either by changing the settings on Robot Settings

Read a notification

Press the Chest Button once, NAO will tell you what the Notification is!

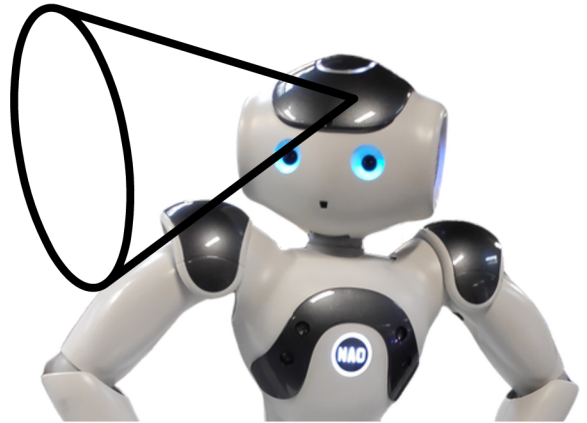


The essentials of NAO6 (3/3)

How do I talk to NAO?

A. When NAO's eyes are blue, he is listening to you. It's your turn to speak! If his eyes are white, he is not listening to you.

B. Stay within his field of vision when you speak, try to speak loudly enough and directly in front of him. NAO only listens to sounds directly in front of him.



C. When NAO nods his head it means he heard what you said.

D. When NAO has green eyes (in NAO Activities only), it has understood what you said, it stops listening and will answer you.



Note: With NAO Activities, during an activity, when NAO is speaking, you can interrupt it by touching its head. NAO will stop talking and resume listening; its eyes will turn blue again.

Change the language of NAO

To use NAO and NAO Activities in a foreign language, you need to:

- NAO should speak the language of your choice.
- Write the prompt in the same language as NAO, then speak to him in that same language.

