

[Pinky Studio] App User (Student) Guide



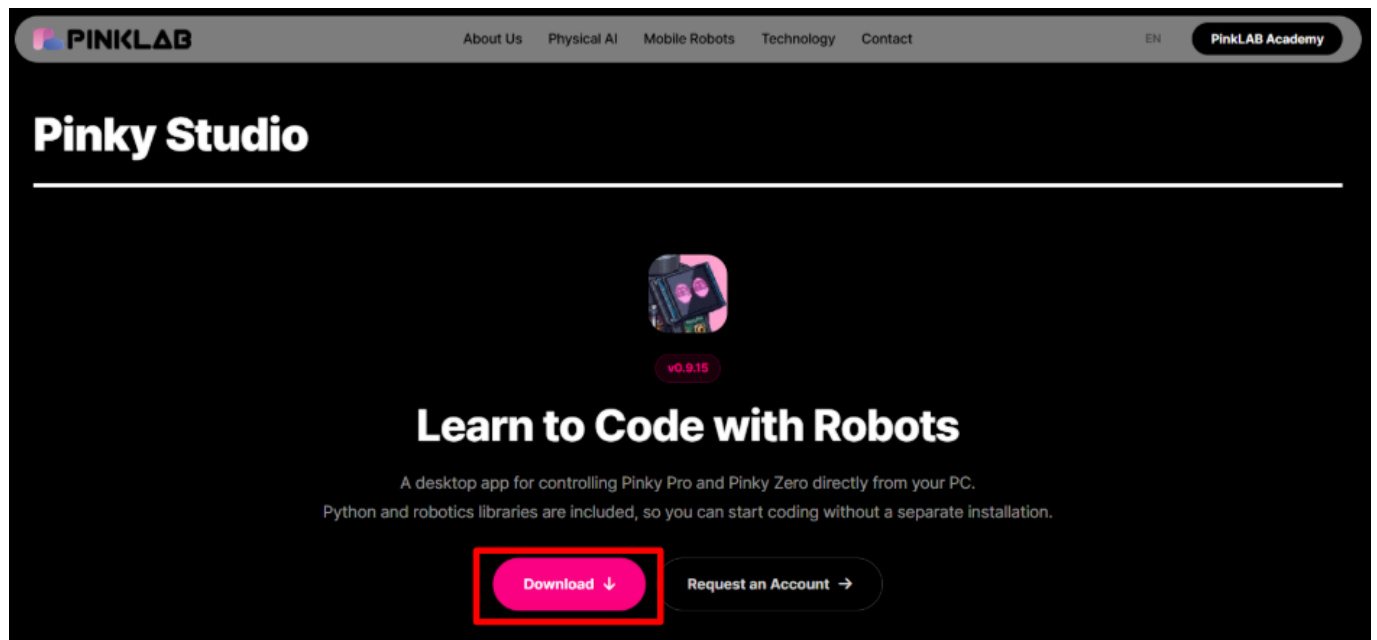
Contents

1	PinkLab Website Language Settings
1	Installing the App
1.1	Installing on Windows
1.2	Installing on Mac
1.3	Installing on Linux
2	Logging In and Signing Up
2.1	First Screen
3	Home Screen
3.1	News Section
3.2	Recent Robots Section
3.3	Recent Learning Section
3.4	Announcements Section
4	Robots Screen
4.1	Selecting a Connection Method
4.2	Pinky Zero Dashboard Screen
5	Learning Screen
6	Learning in Sim (Simulation) Mode
7	Lab Screen
8	Files Screen
9	Settings Screen

[Pinky Studio] App User (Student) Guide

Exported from Confluence · <https://pinkwink.atlassian.net>

Visit the website at <https://pinklab.art/academy/pinky-studio/?lang=en> (<https://pinklab.art/academy/pinky-studio/?lang=en>)



Click 'Download' button

DOWNLOAD

Download v0.9.15

Choose your operating system.



Windows

Installer (.exe)



macOS

Apple Silicon only (.dmg)

Apple Silicon



Linux

.deb

.AppImage



Student User Guide

Everything you need to get started, from installation and robot connection to completing lessons.

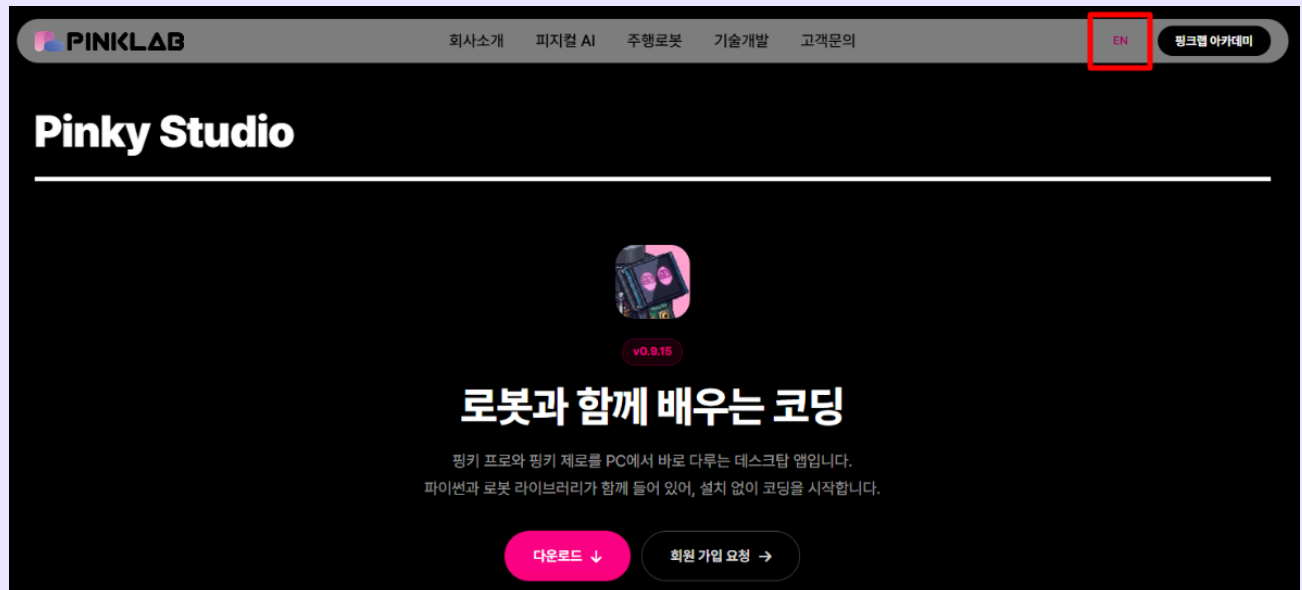


Scroll to the bottom of the website to find the download links.

Download the version for your PC (Windows / Mac / Linux).

PinkLab Website Language Settings

If the website is not displayed in English, please click the language toggle button **marked with a red a box** on the screen



Installing the App

Installing on Windows

Download and run the Windows installer.



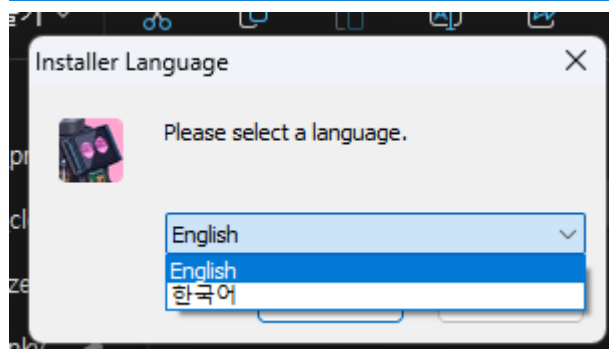
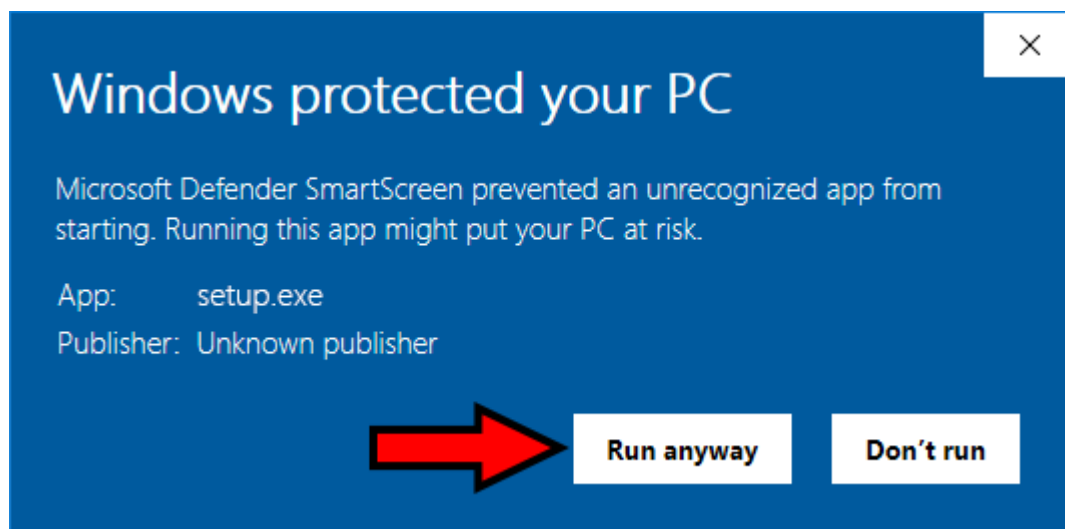
Windows protected your PC

Windows Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

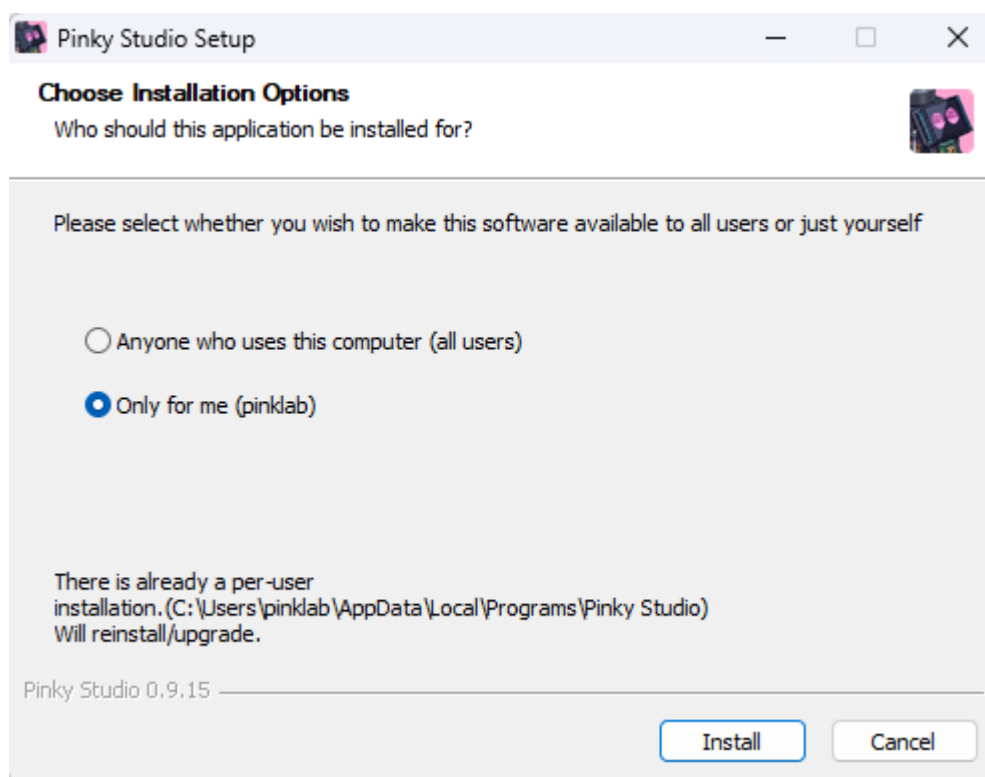
[More info](#)

Don't run

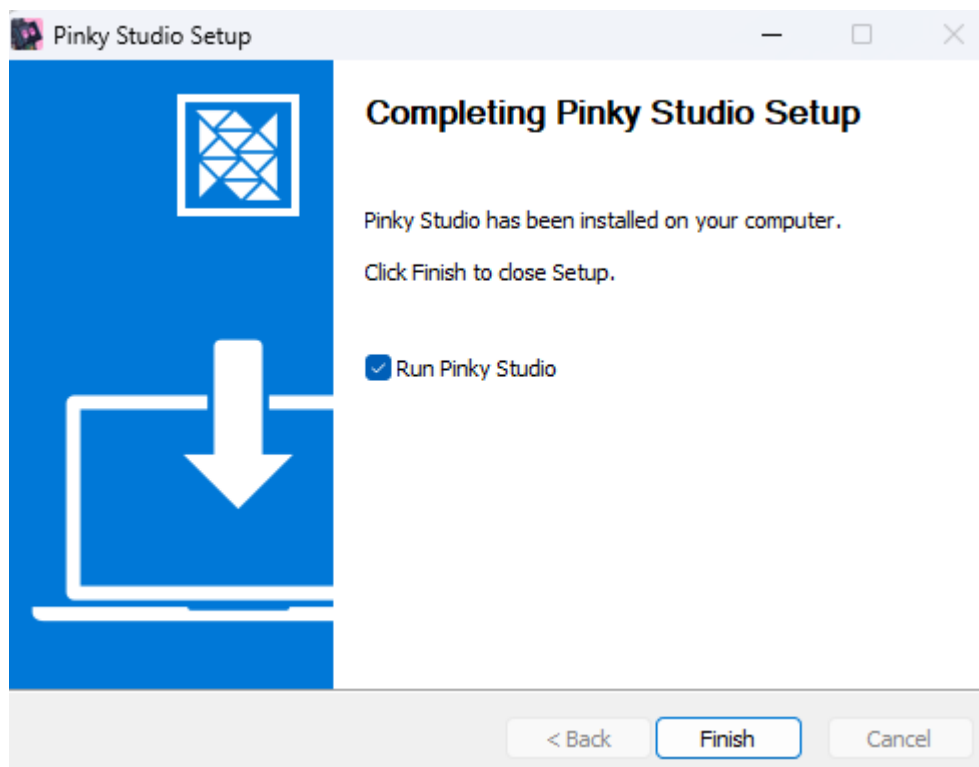
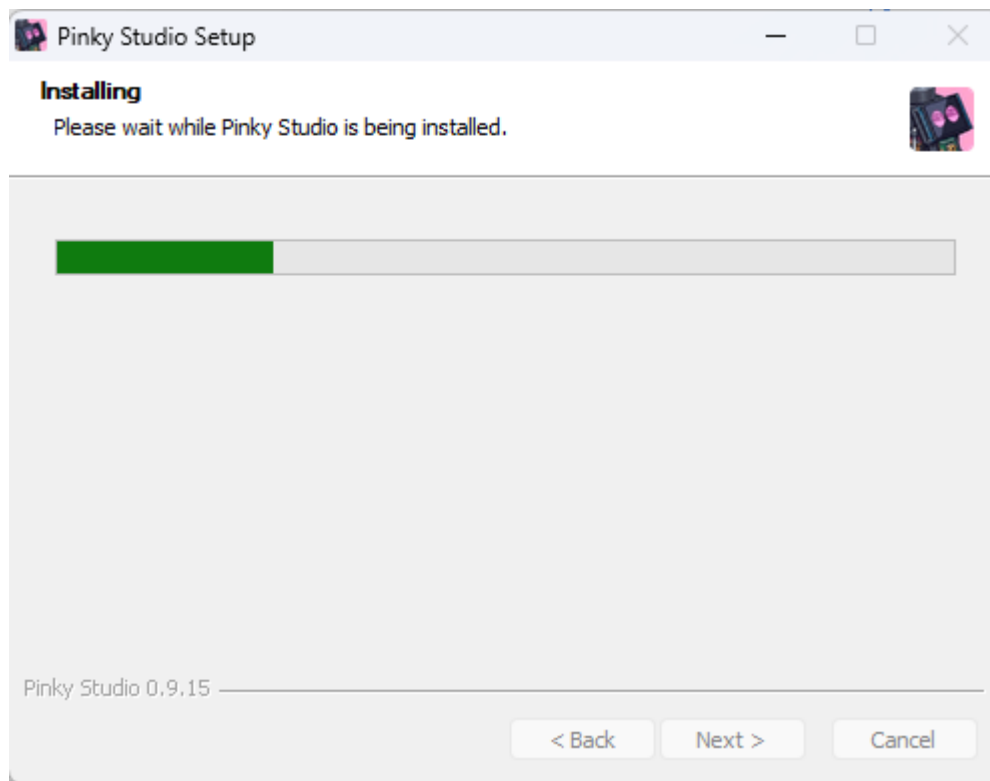
If this screen appears, **click More info > Run anyway.**



Choose 'English' Menu Item



Click Install to begin installation.



Once installation is complete,



PINKY STUDIO



Starting the kernel



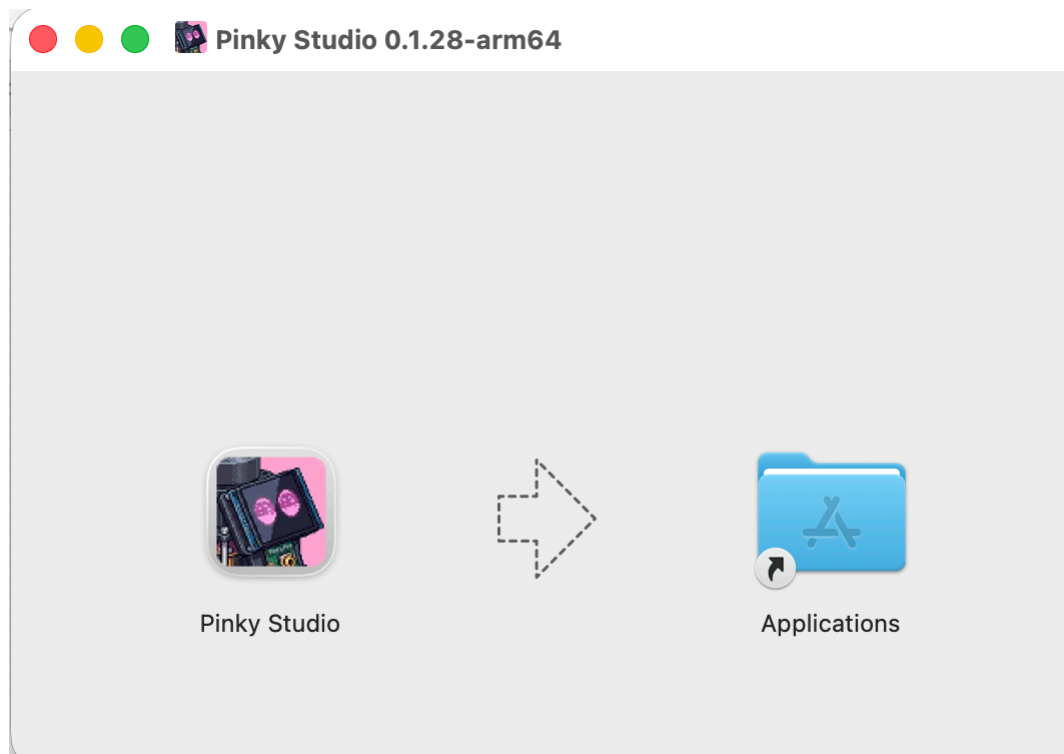
Getting ready (2 / 4)

the app launches.

Installing on Mac

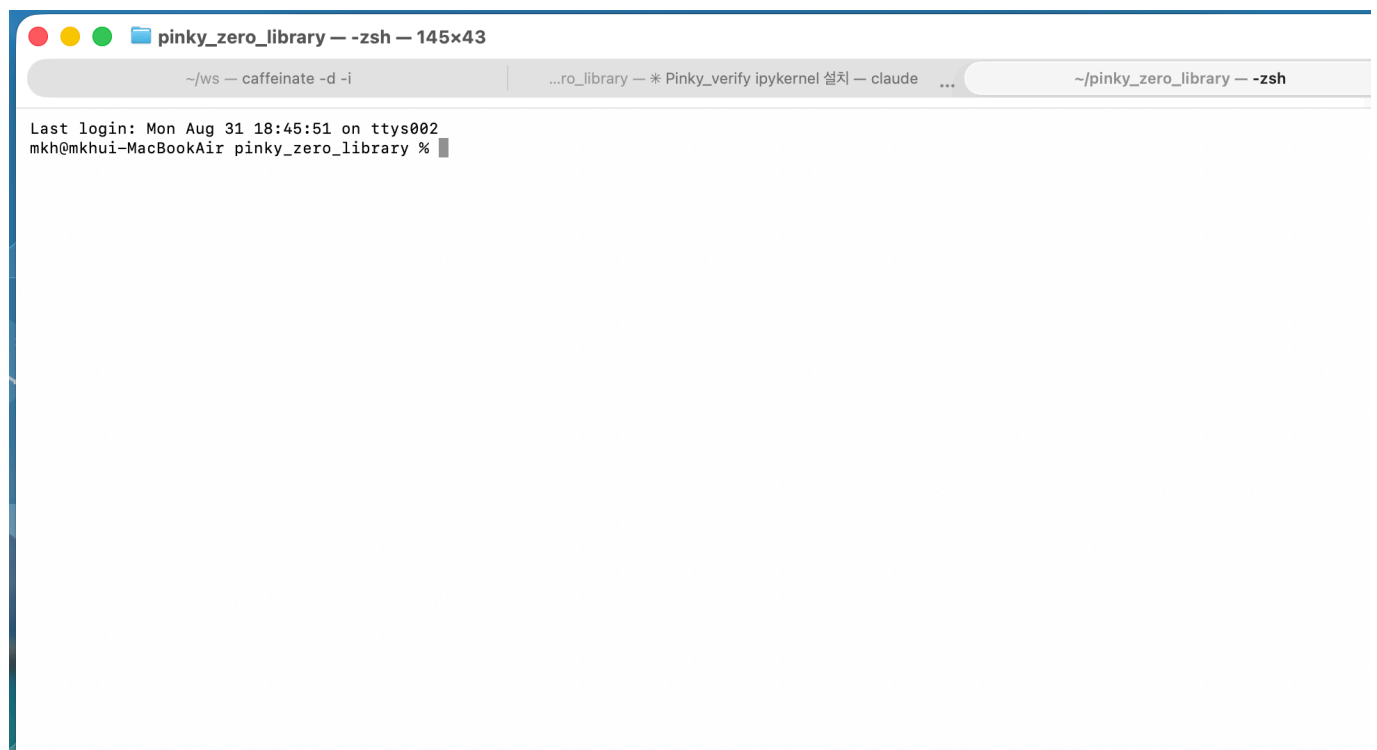
Download the version that matches your Mac's chip.

Open the downloaded file to display the installation window.



Drag the app on the left into the Applications folder.

Open Terminal to set the permissions needed to run the app.



Code

```
1 xattr -cr "/Applications/Pinky Studio.app"
```

Enter the command above in Terminal.



Pinky Studio

Launch Pinky Studio from the app list.

Installing on Linux

Using the deb Version

Download the deb version.

```
subin@subin-laptop: ~  
subin@subin-laptop: ~ 80x24  
subin@subin-laptop:~$ sudo apt install ~/Downloads/P  
PinkyStudio-0.1.29.deb  Potholes/  
subin@subin-laptop:~$ sudo apt install ~/Downloads/PinkyStudio
```

Code

```
1 sudo apt install ~/Downloads/PinkyStudio
```

Enter the command above in Terminal, then press Tab to autocomplete the version at the end.

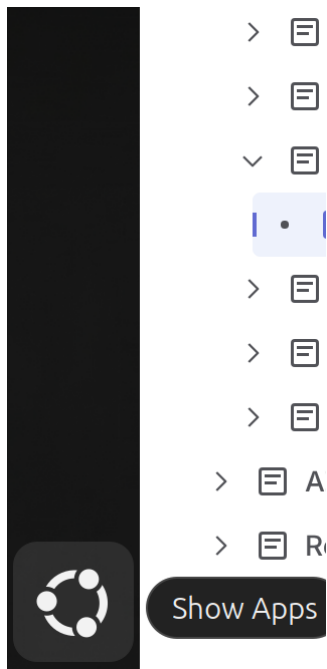
```

subin@subin-laptop:~$ sudo apt install ~/Downloads/PinkyStudio-0.1.29.deb
[sudo] password for subin:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Note, selecting 'cloud-pinky-studio' instead of '/home/subin/Downloads/PinkyStudio-0.1.29.deb'
The following NEW packages will be installed:
  cloud-pinky-studio
0 upgraded, 1 newly installed, 0 to remove and 569 not upgraded.
Need to get 0 B/179 MB of archives.
After this operation, 635 MB of additional disk space will be used.
Get:1 /home/subin/Downloads/PinkyStudio-0.1.29.deb cloud-pinky-studio amd64 0.1.29 [179 MB]
Selecting previously unselected package cloud-pinky-studio.
(Reading database ... 399900 files and directories currently installed.)
Preparing to unpack .../PinkyStudio-0.1.29.deb ...
Unpacking cloud-pinky-studio (0.1.29) ...
]

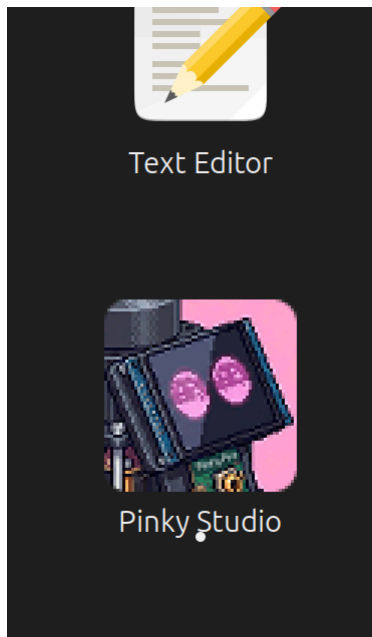
```

Progress: [20%] [#####.....]

Press Enter to run the completed command and begin installation.



Once installed, click Show Apps at the bottom of the left sidebar in Ubuntu.



You can see that Pinky Studio is installed in the app list.

Using the AppImage Version

Download the AppImage file and set its permissions.

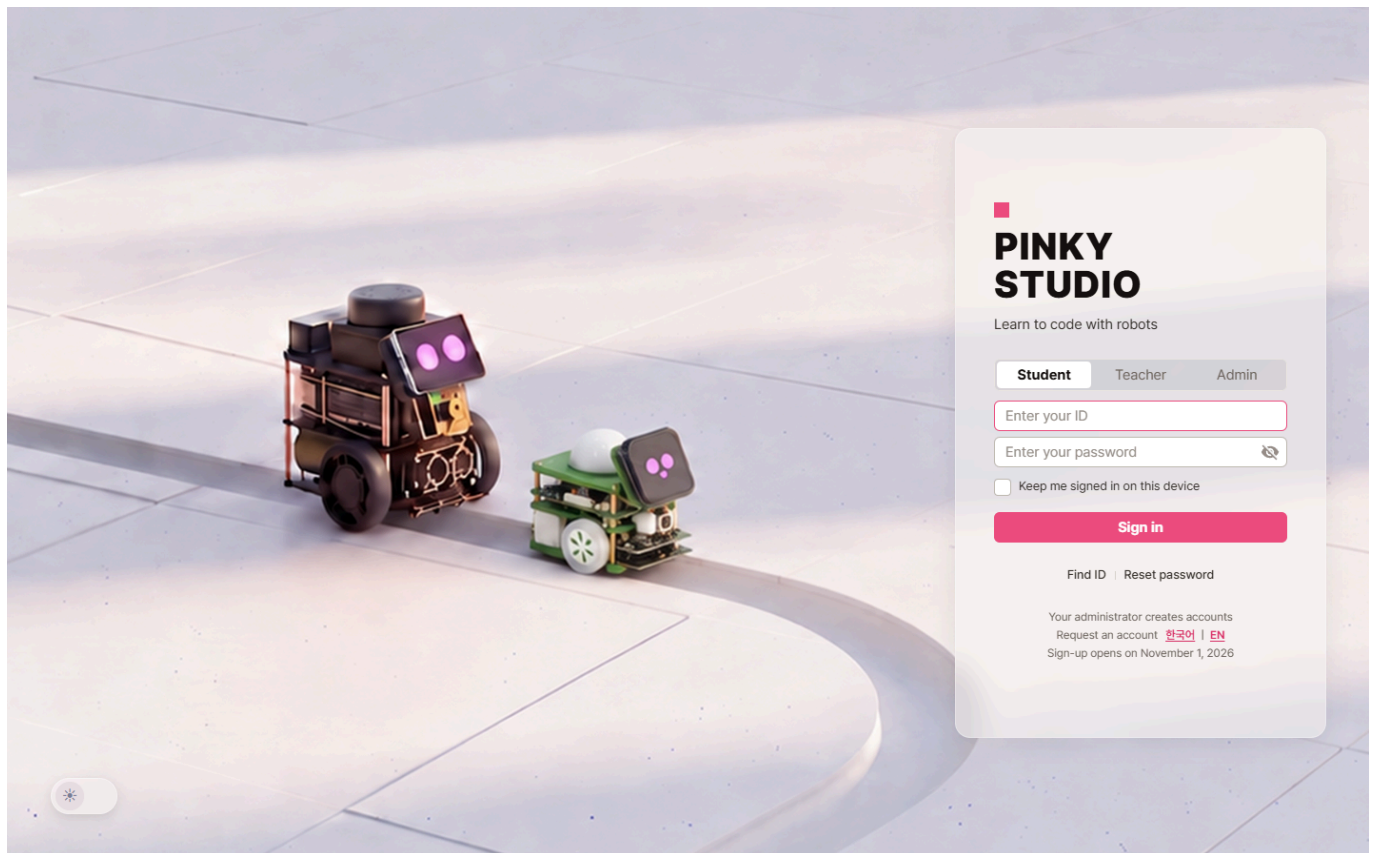
```
subin@subin-laptop: ~$ chmod +x ~/Downloads/PinkyStudio-0.0.0.AppImage
subin@subin-laptop: ~$
```

Enter `chmod +x ~/Downloads/PinkyStudio`, then press Tab to autocomplete the version at the end.

```
subin@subin-laptop: ~$ chmod +x ~/Downloads/PinkyStudio-0.0.0.AppImage
subin@subin-laptop: ~$ ~/Downloads/PinkyStudio
```

Once the permissions are set, double-click the AppImage file, or enter `~/Downloads/PinkyStudio` in Terminal, press Tab, and then press Enter to launch it.

Logging In and Signing Up



Login Screen

If you already have an account, you can skip to the next step.

If you do not have an account, you must first submit a sign-up inquiry.

During the current beta test, we are only accepting users who have made prior arrangements with us.

Click the [Request an account > EN](#) button.

Pinky Studio - Student Registration

Pinky Studio Student Account Registration Form

Pinky Studio is currently in beta testing and is only available to users who have been approved in advance.

If you have not previously arranged access with us, please submit an inquiry through the following page:

<https://pinklab.art/contact/?lang=en>

Please select "Pinky Studio Beta Account Inquiry" as the inquiry type.

(Registration for the free version will be available starting November 1, 2026, when Pinky Studio officially launches.)

An account is required to use Pinky Studio.

Please fill out the information below, and we will create an account for you and send your user ID and temporary password by email.

Account creation may take (2–3 business days)

- Direct sign-up within the app will become available on the official launch date.
- You **do not** need to enter a password in this form. We will send you a temporary password.

- After signing in, you can change your password by going to : Profile > Settings > Account Settings > Password

- For group or organization account registration inquiries, please contact: contact@pinklab.art

A Google Form opens.

Complete the form by following its instructions.

If you have not made prior arrangements, please contact us at <https://pinklab.art/contact/?lang=en>

(<https://pinklab.art/contact/?lang=en>) first to discuss joining the beta test.

CONTACT US

PinkLAB

Get in Touch

Robot purchases, robotics development partnerships, and short- or long-term training—feel free to contact us. Send your inquiry using the form below, and our team will review it and reply promptly.

Email contact@pinklab.art

Send Inquiry

Name

Job Title

000

000

Affiliation

Company / organization / school

Inquiry Type

Select an inquiry type

Email

0000@000.com

Phone Number

010-0000-0000

Attachment



Click or drag and drop a file to upload. (Maximum 25 MB)

Message

Once registration is complete, log in with your student account and proceed to the next page.

First Screen

Pinky Studio

Home

Robot

Study

Lab

Files

Teacher

Study

Hello, teacher

Teacher

Enrolled courses 1 of 2 total

Stages completed 1 / 64 across 1 courses

Done this week 1 / 4 this week, all courses

Overall accuracy 100% All courses

Enrolled courses

All Courses

My Courses

Pinky Zero Robot Programming Zero

Chapter 1 / Chapter 16

This week 0 / 0 / 64 stages done · 0% correct

Which robot are you learning with?

Courses you can do with it are shown clearly.



Pinky Pro

Pinky Pro



Pinky Zero

Pinky Zero

You can change this any time from the top bar

This week

Pinky Zero Robot Programming · Chapter 1

Pinky's First Steps Upcoming

Faster, Slower, Backward Upcoming

Rolling Just One Wheel Upcoming

Following a Set Path Upcoming

Recent exercises

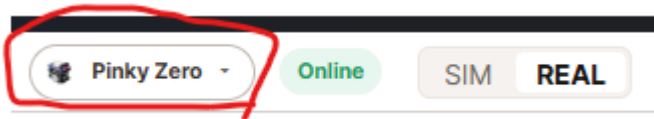
Solved Problems

아래 코드는 핑키가 움직이고 마는데, 앞으로 Pass

아래 코드를 실행하면 핑키는 몇 초 동안 갈 Pass

핑키를 앞으로 곧장 보내는 코드는 무엇인가요 Pass

The robot selection screen appears first.
Select the robot that matches the one you own.



If you select the wrong robot, you can click the top bar to select it again.

Home Screen

PINKY STUDIO

Home

Robot

Study

Lab

Files

Teacher

Home

News

Recent robots

Recent courses

Notices

Online

SIM

REAL

uzzzer sound in the simulator - lcd.image and LED blink now work - A face panel to see the LCD screen, touch, and tilt (IMU) - Map editor — place walls, balls, and lines to build your own cc

09-09 04:05 · 1/5

Go to robots

Go to study

Pinky zfead
pinky_zfead
connected 2026-09-17

Pinky d6ff
pinky_d6ff
connected 2026-08-27

Pinky 63fb
pinky_63fb
connected 2026-08-25

Pinky Zero Robot Programming
Chapter 1 / Chapter 16
0%

All notices

No.	Title	Author	Posted
2	배터리 관리 시 주의사항 [Battery Care Guidelines]	CPO	09-01 11:06
1	핑키 스튜디오 베타테스트 오픈 [Pinky Studio Beta Test Open]	CPO	09-01 10:26

News Section

Home

Online

SIM

REAL

Home

News

Recent

Notice

Question titles no longer cut off mid-sentence — the number and full prompt are shown - Simulator floor IR now matches real hardware polarity — SIM line-tracing code transfers as

09-08 02:23 · 2/5

Pinky zfead
pinky_zfead
connected

No.	Body	Posted
5	Update 0.9.8 — Buzzer sound in the simulator - lcd.image and LED blink now work - A face panel to see the LCD screen, touch, and tilt (IMU) - Map editor — place walls, balls, and lines to build your own	09-09 04:05
4	Update 0.9.7 — Question titles no longer cut off mid-sentence — the number and full prompt are shown - Simulator floor IR now matches real hardware polarity — SIM line-tracing code transfers as-is -	09-08 02:23
3	Update 0.9.6 — A linked course counts as one enrollment in either language — switching languages keeps you enrolled	09-07 08:00
2	Update 0.9.5 — Link Korean and English editions of a course — the app shows the one matching your language - Cleared leftover Korean across the English UI - Release news is now stored in both lang	09-07 07:35
1	Update 0.9.4 — A teacher tab on the sign-in screen - Teacher screens — class progress, curricula, and student/course reports - Admins manage students & teachers on one screen, with an org registry	09-07 06:39

This tab shows news such as recent updates and new curricula.
Only news from the past week is displayed.

Recent Robots Section

Recent robots

[Go to robots](#)

Pinky zfead

pinky_zfead

connected 2026-09-17



Pinky d6ff

pinky_d6ff

connected 2026-08-27



Pinky 63fb

pinky_63fb

connected 2026-08-25

Click a robot you have used recently to connect to it immediately.

Recent Learning Section

Recent courses

[Go to study](#)

**Pinky Zero Robot
Programming**

Chapter 1 / Chapter 16

0%

Click a curriculum you have studied recently to resume learning immediately.

Announcements Section

Notices

[All notices](#)

No.	Title	Author	Posted
2	배터리 관리 시 주의사항 [Battery Care Guidelines]	CPO	09-01 11:06
1	핑키 스튜디오 베타테스트 오픈 [Pinky Studio Beta Test Open]	CPO	09-01 10:26

You can view announcements here.

핑키 스튜디오 베타테스트 오픈 [Pinky Studio Beta Test Open]

CPO · 09-01 10:26

베타테스트 기간동안 개인 회원은 받지 않고,
사전 협의된 고객에게 스탠다드 티어 급의 학생 계정을 제공 예정입니다.
(pinklab.art/academy/pinky-studio/ 참고)

학생 사용자는 학습용 로봇(핑키 제로), 앱을 통한 로봇 인터페이스, 커리큘럼, 시뮬레이터
등의 서비스를 제공합니다.

Pinky Studio, a cloud-based robotics learning service, is now open for beta testing.

The beta period runs from September 1 to October 31, 2026.

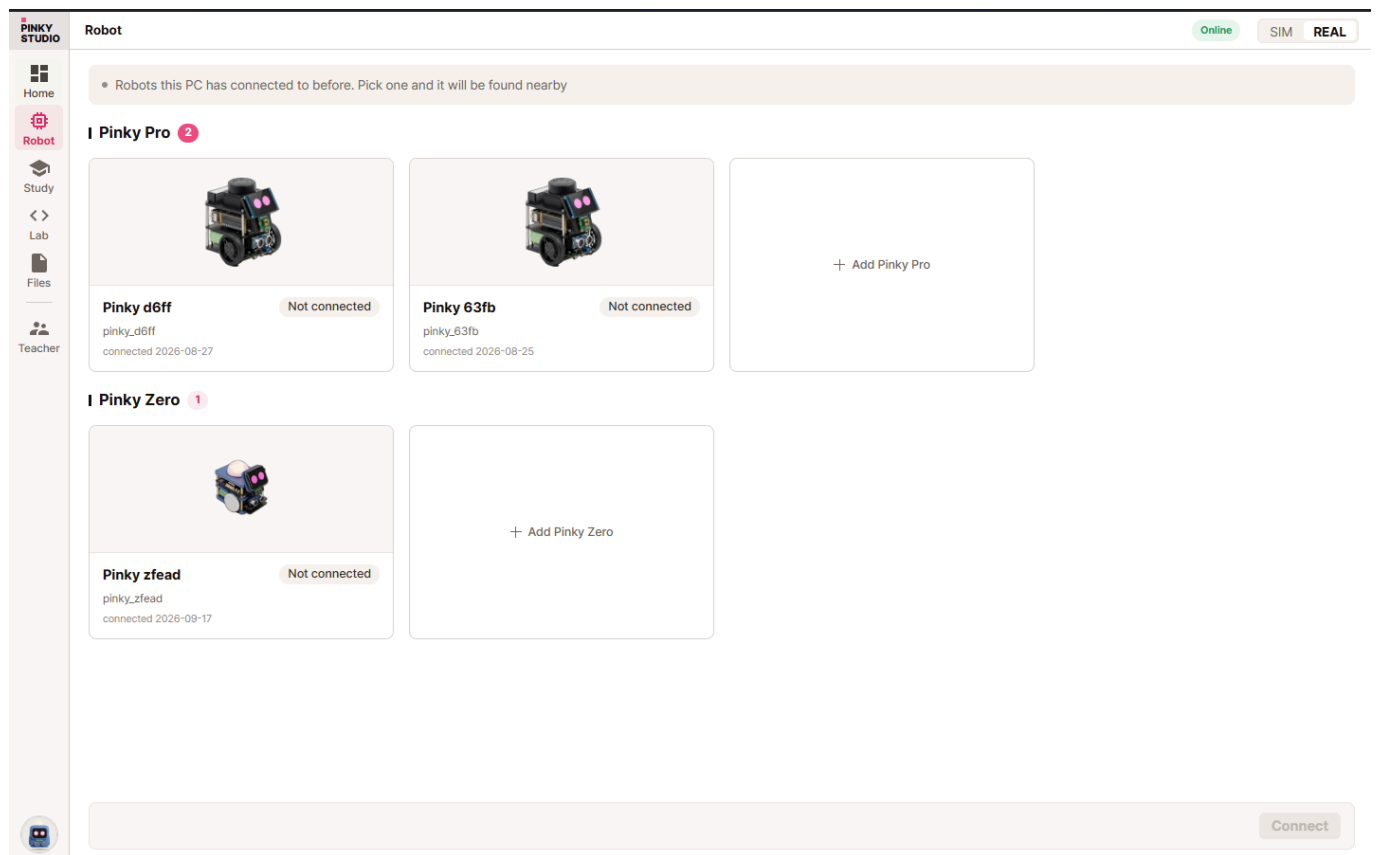
During the beta, we are not accepting individual sign-ups. Student accounts at the Standard tier will be provided to customers arranged with in advance.
(See pinklab.art/academy/pinky-studio/)

Student users receive a learning robot (Pinky Zero), a robot interface through the app, curriculum, and a simulator.

Close

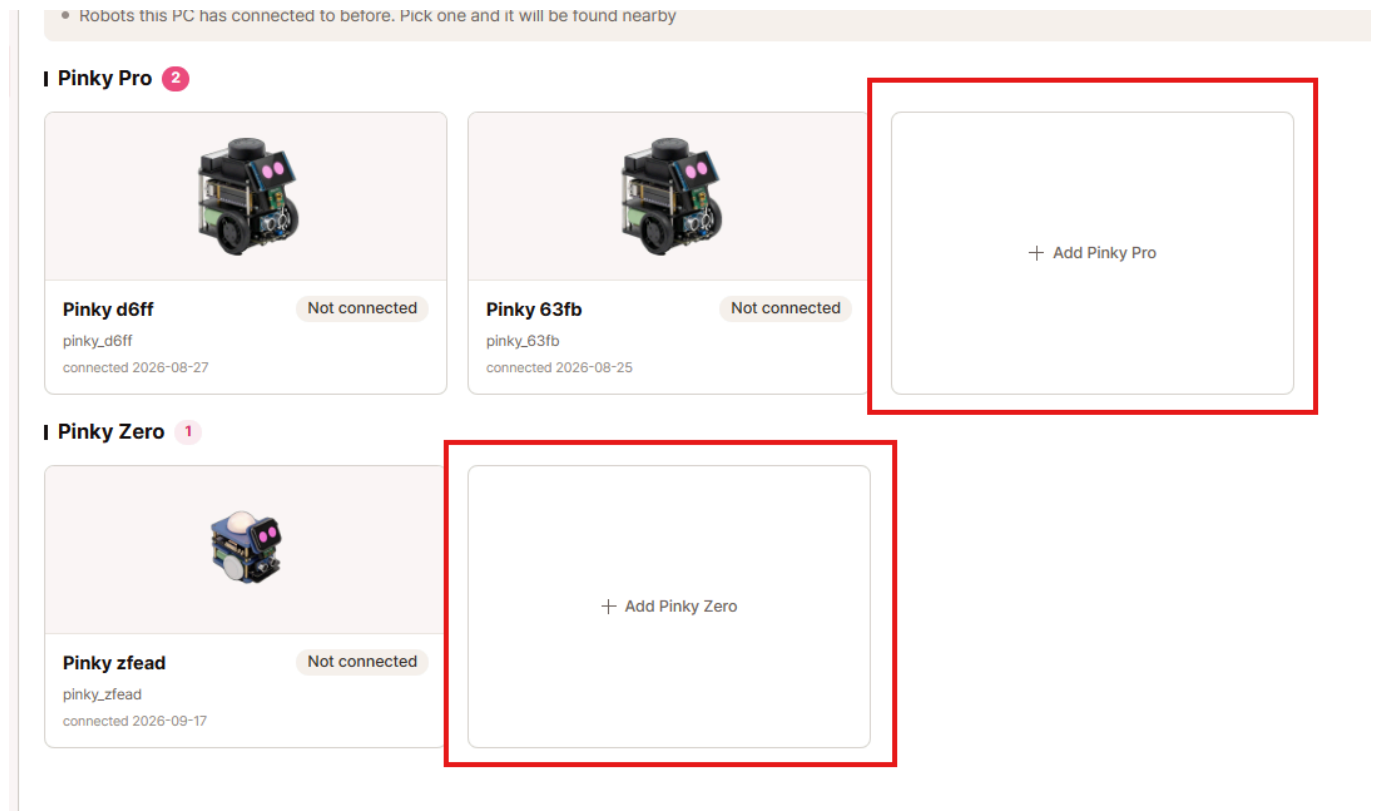
Click an announcement to view its contents.

Robots Screen



You can connect to a robot on the Robots screen.

You can reconnect to a recent robot,

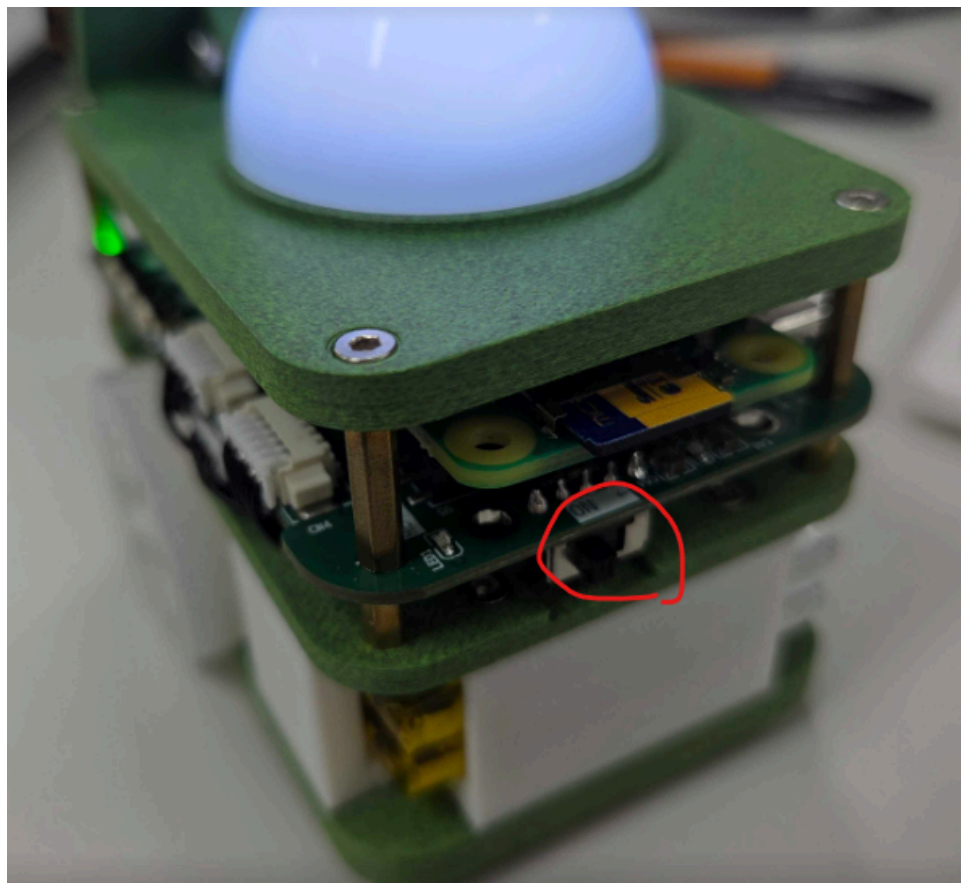


or use the Add button on the right to connect a new robot (this opens the connection method selection screen).

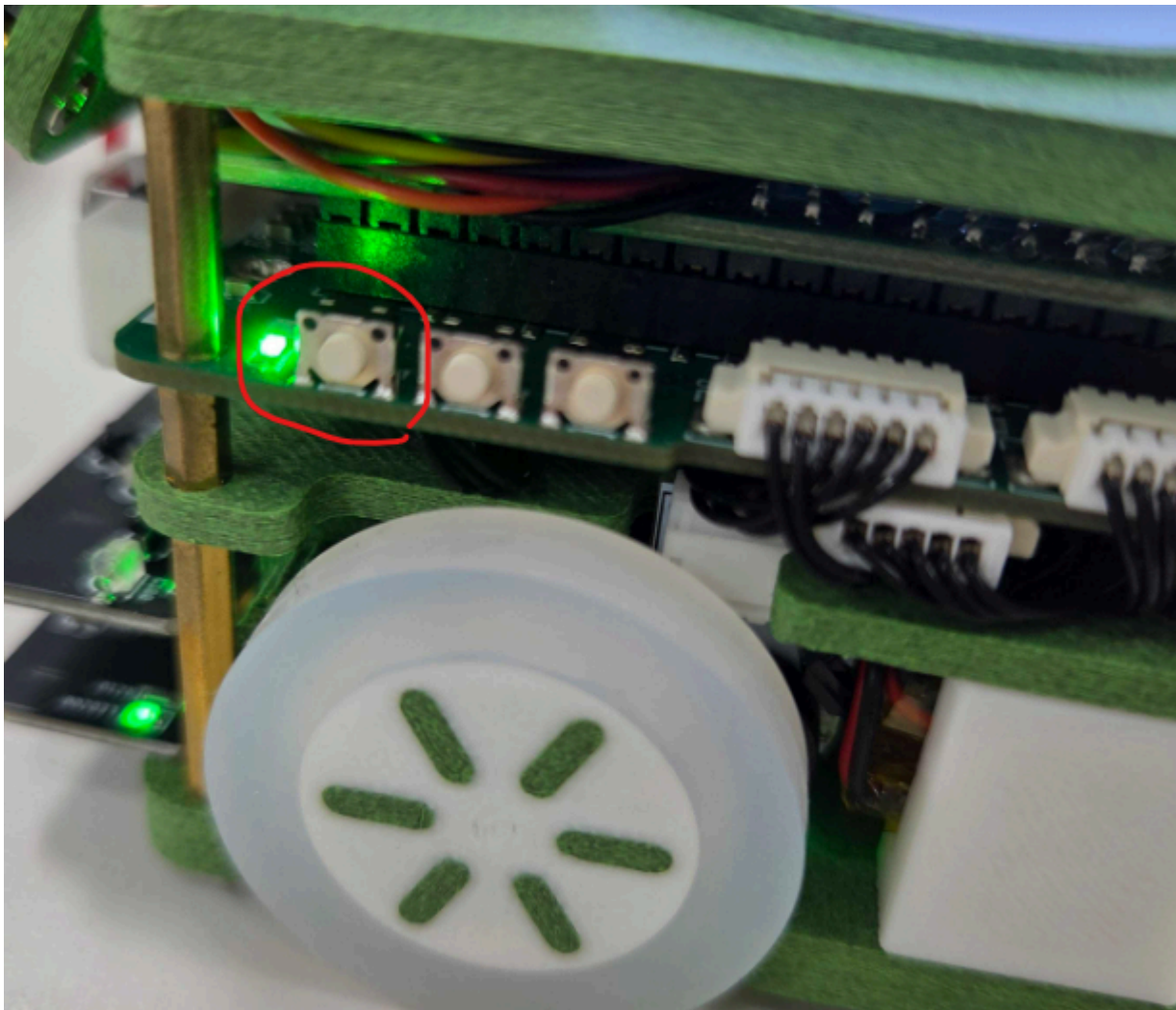
Selecting a Connection Method

Turn on the robot before connecting to it.

How to Turn On Pinky Zero

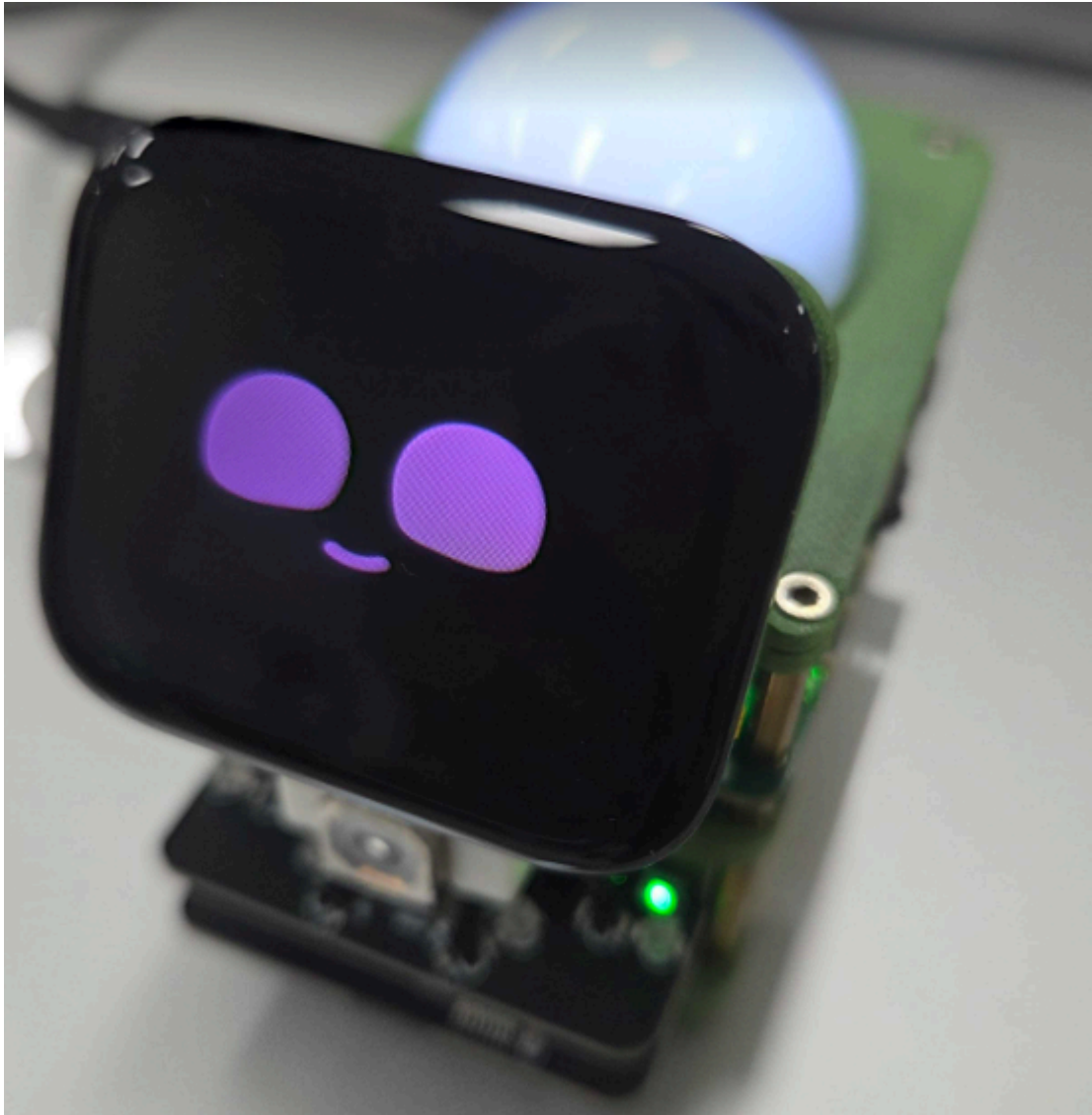


Turn on the switch on the back of the robot. (A chime sounds.)



Of the three buttons on the side of the robot, press and hold the leftmost (first) button for about 2 seconds. (A beep sounds.)

Wait about a minute for the screen to turn on and a face to appear.

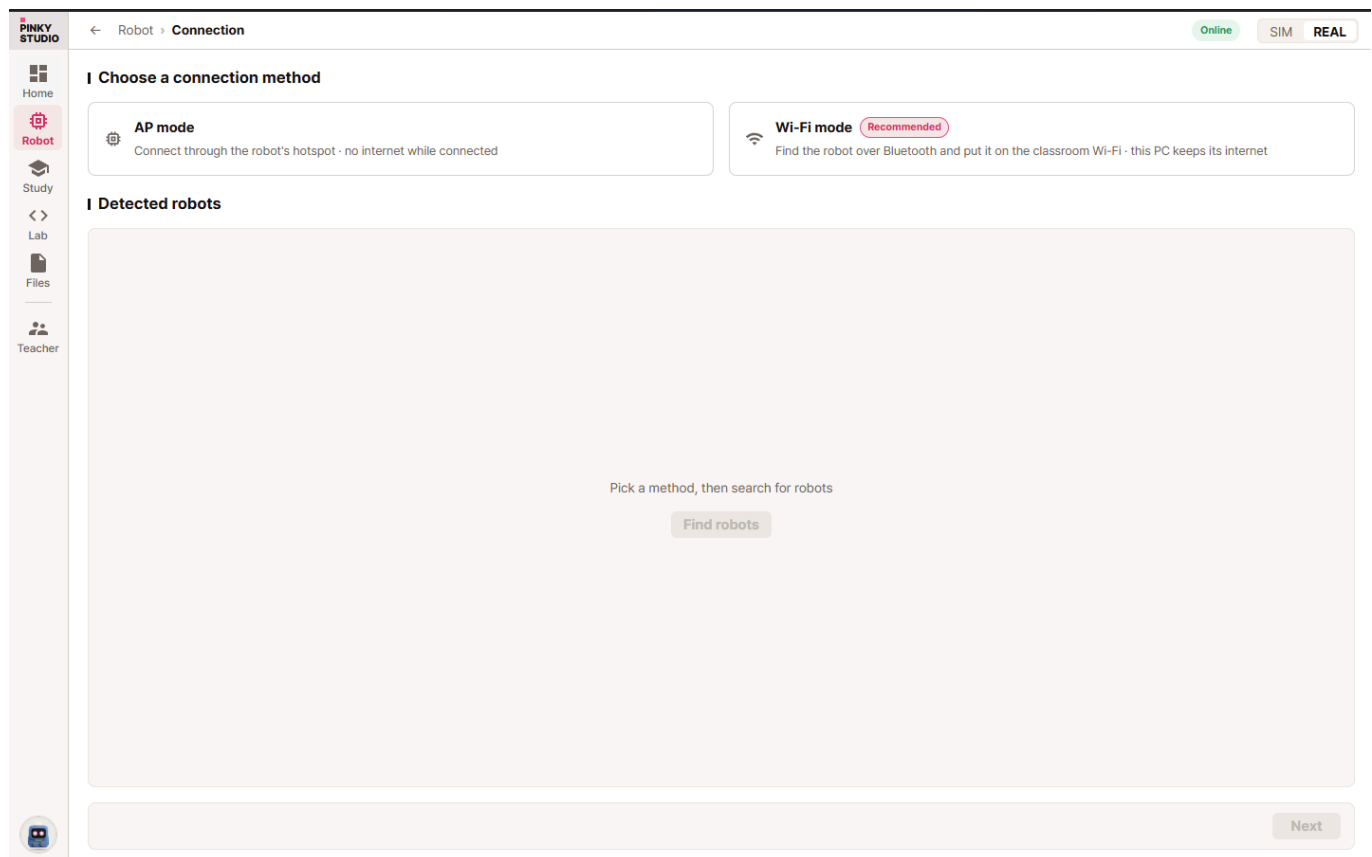


Tap the face to display the robot's SSID. (Remember it.)



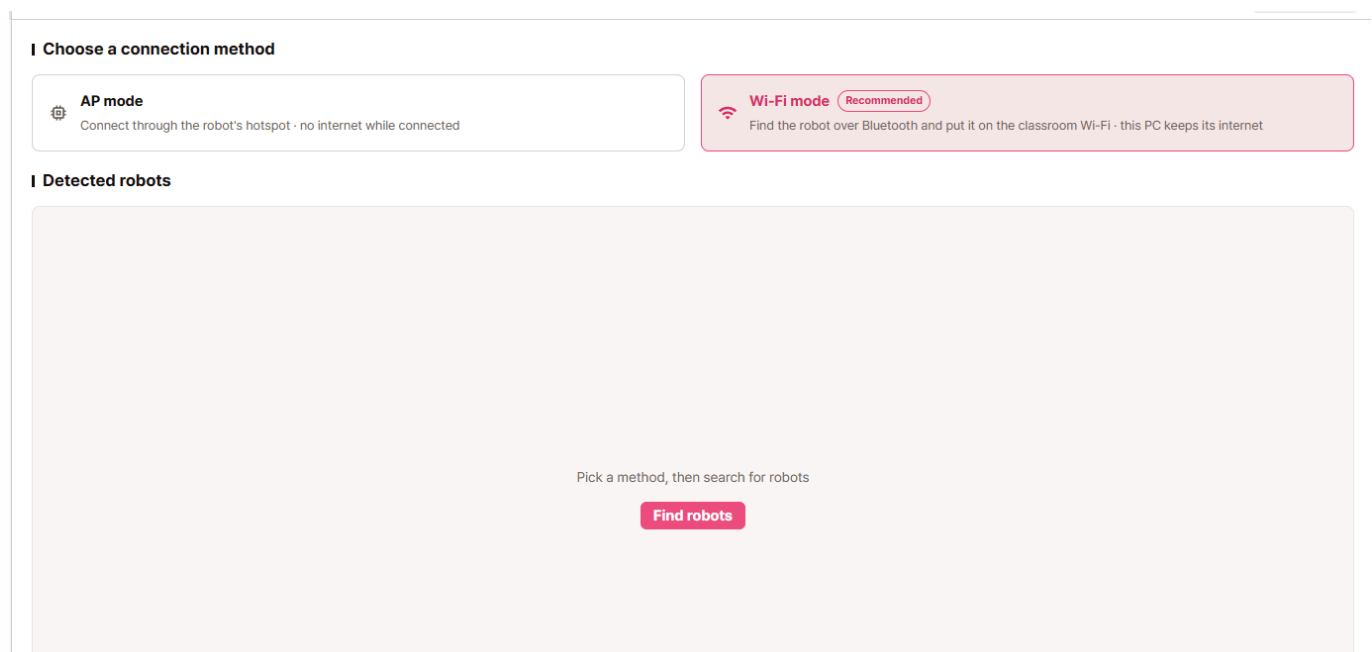
Never let the robot's battery run completely flat!

Be sure to charge the robot before its battery runs out.
(Note: The robot sounds a buzzer when its battery is low.)

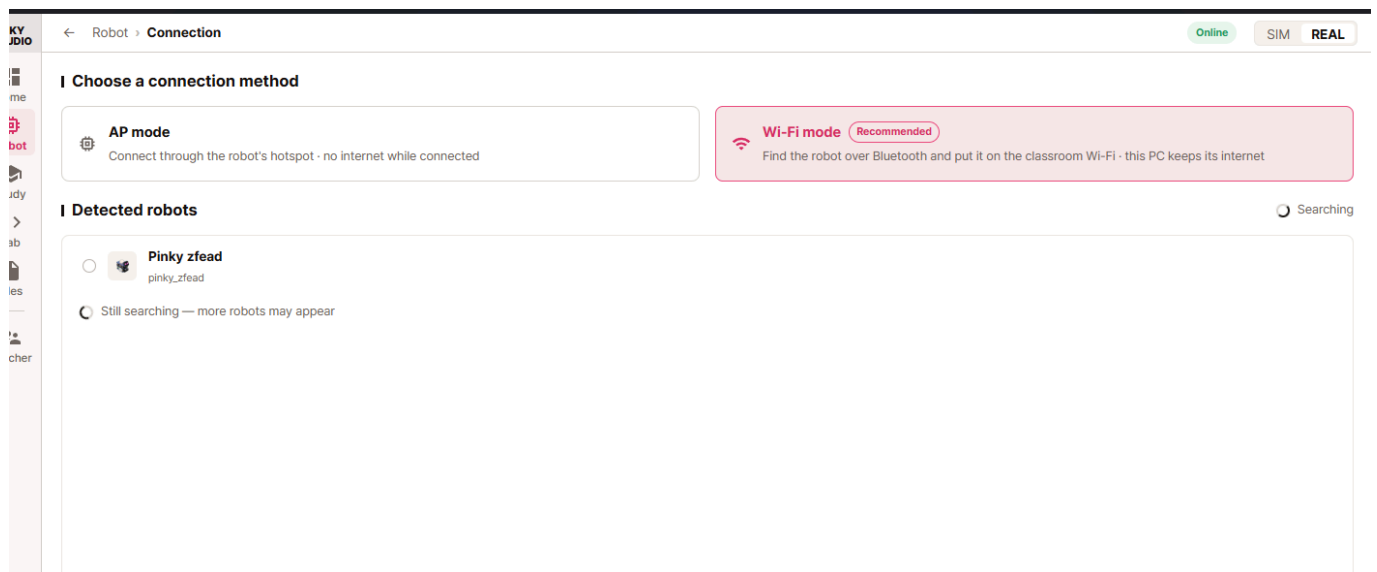


Select Wi-Fi mode as the connection method.

(AP mode allows you to connect when Wi-Fi is unavailable. However, using AP mode disconnects you from the internet, which may affect your access to the learning curricula.)



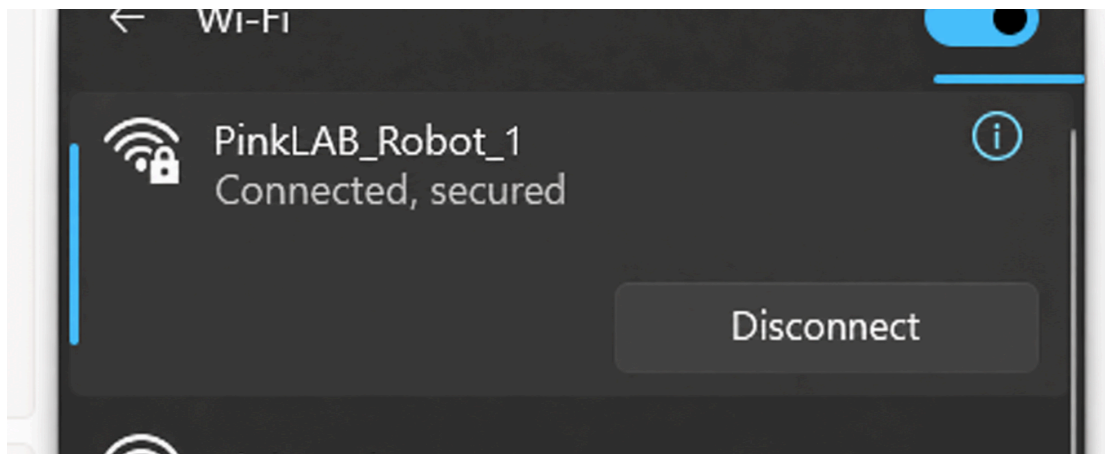
Click Find Robot.



Detected robots appear after loading.

Click the SSID you noted earlier (zfead), then click Next.

After a short wait (up to 20-30 seconds), the Wi-Fi setup screen appears. Follow the instructions to continue.

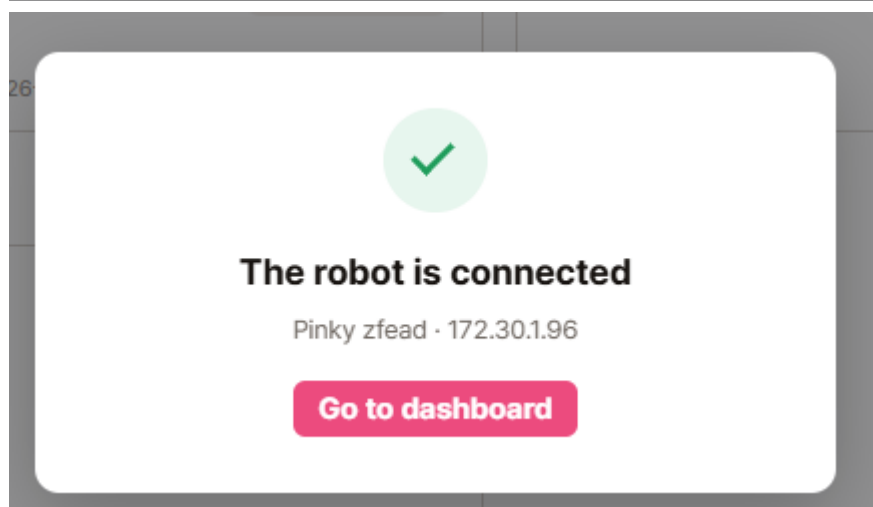
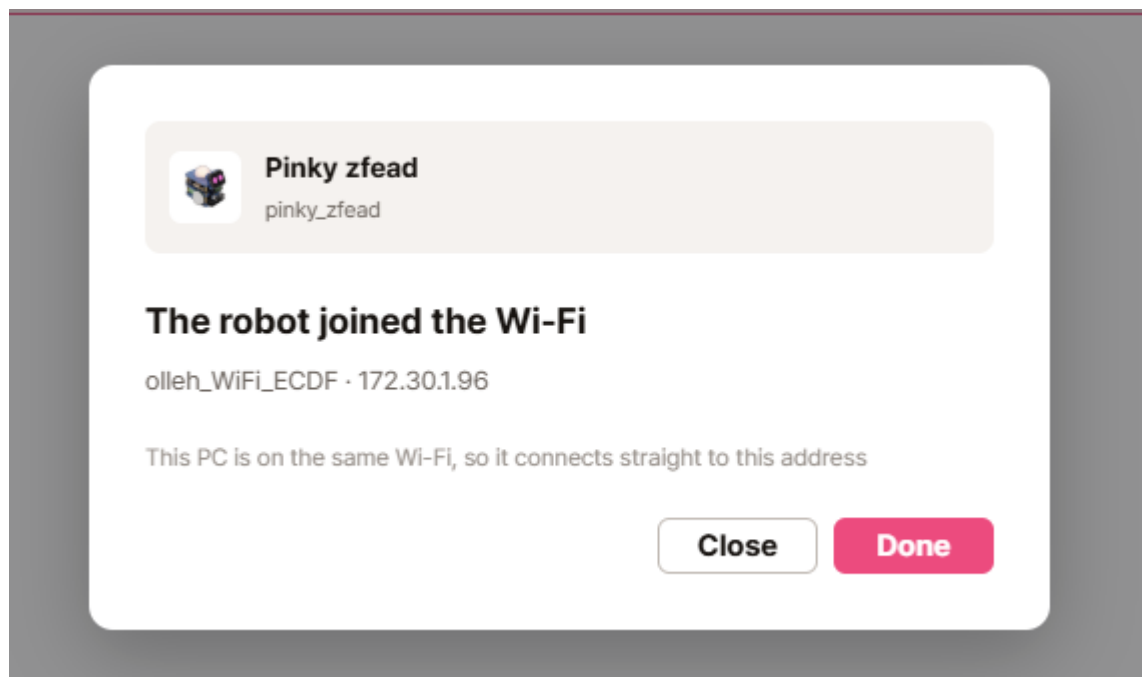


When setting up Wi-Fi, check which Wi-Fi network your PC is connected to and connect the robot to the same network.

(For example, if your PC is connected to PinkLAB_Robot_1, the robot must also connect to PinkLAB_Robot_1.)

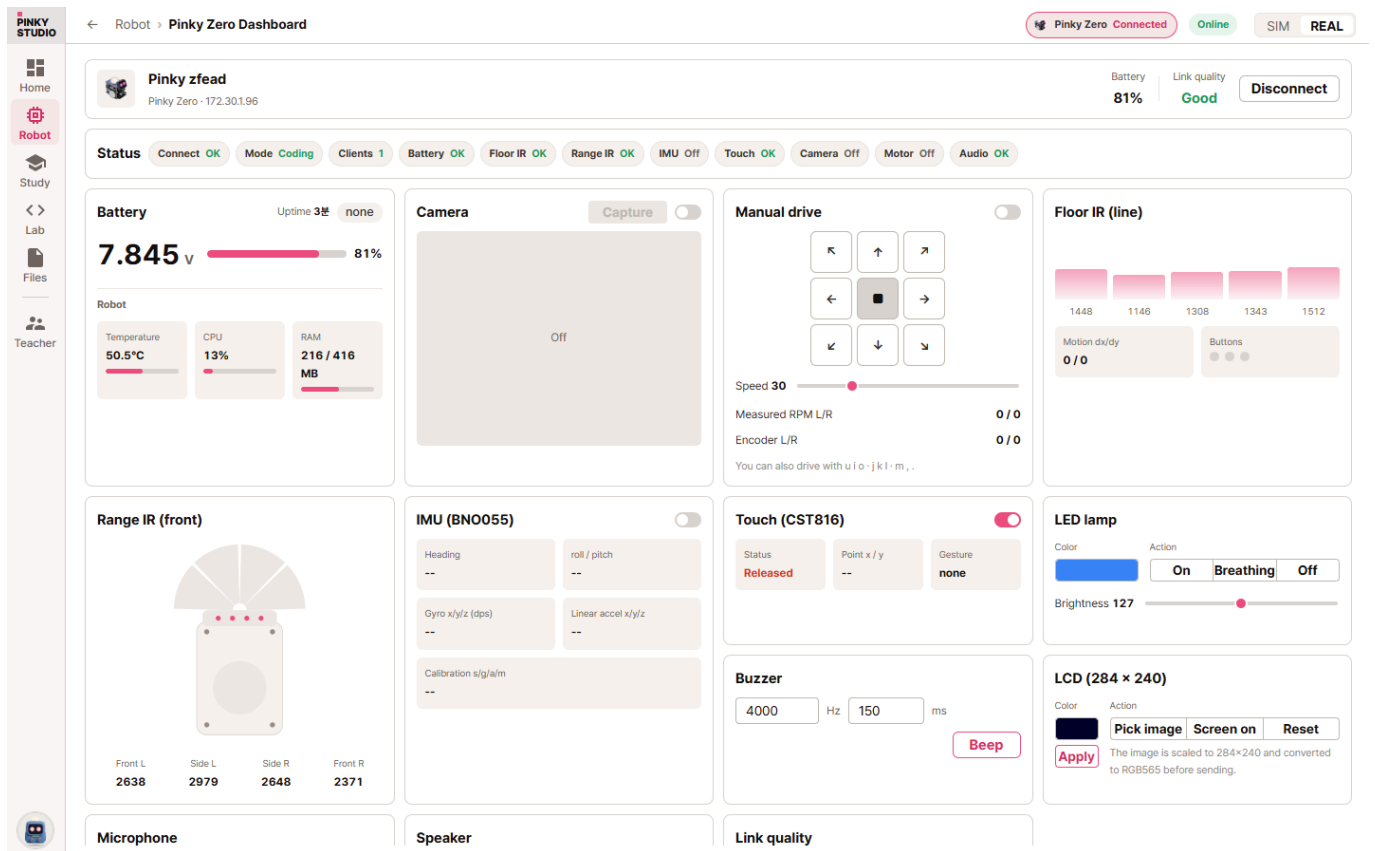
Caution: If the Wi-Fi network has separate 2.4 GHz and 5 GHz bands, use the 2.4 GHz band.

(Using different bands may cause problems when the robot switches channels.)

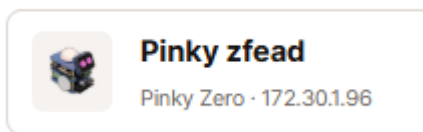


Once connected, you are taken to the dashboard.

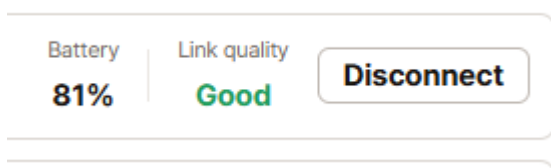
Pinky Zero Dashboard Screen



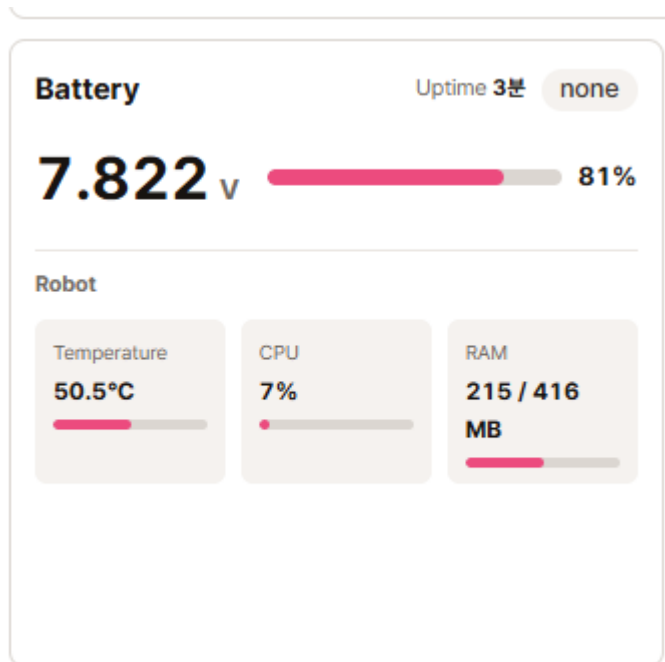
This dashboard lets you check Pinky's status, turn sensors on and off, and view their information.



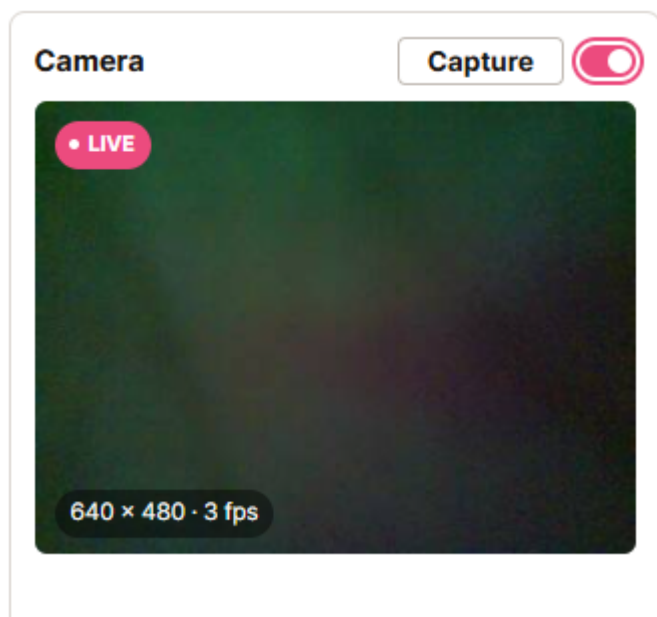
You can check the connected robot's IP address.



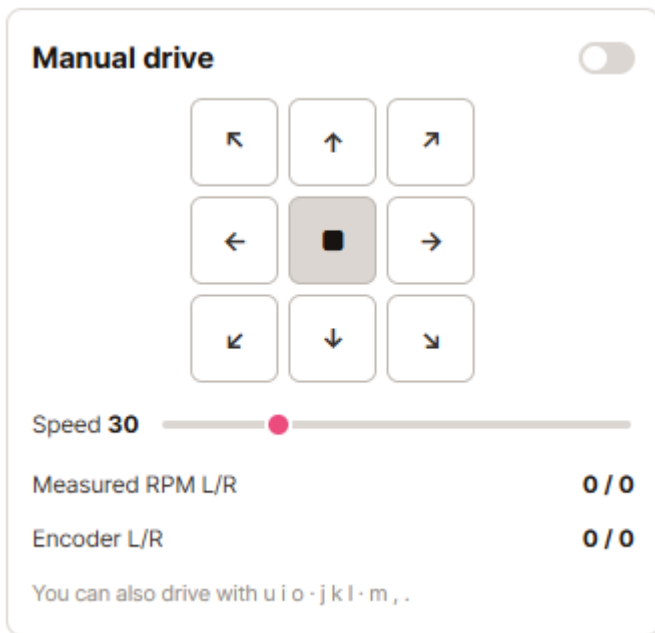
You can disconnect the connected robot.



You can check the battery information and the robot's CPU, temperature, and RAM status.

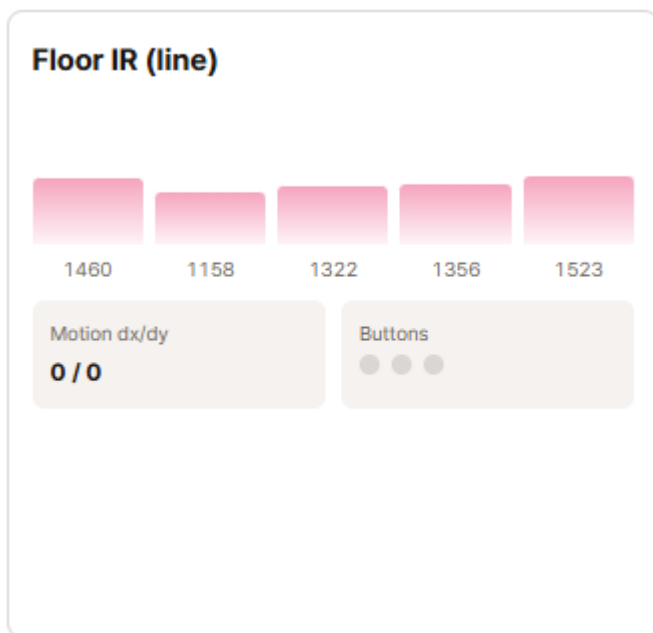


Camera feed: Streams video from the robot's camera.

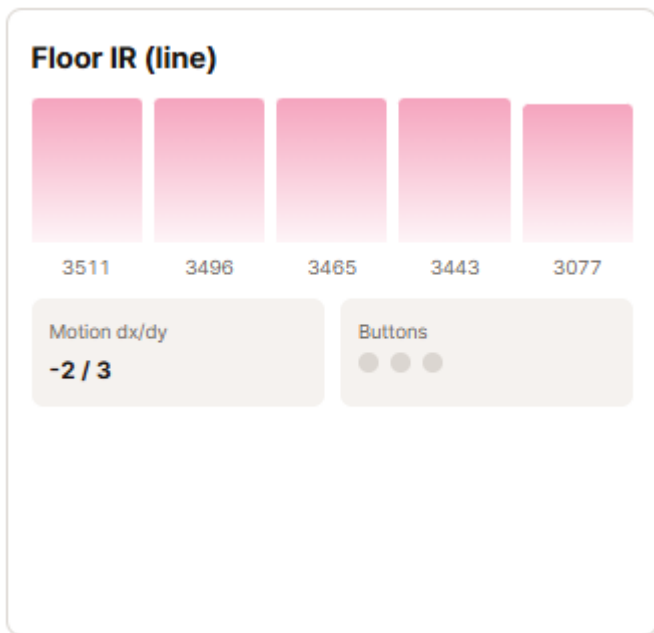


You can drive the robot manually by clicking the buttons or using the keyboard keys (uio, jkl, m,,).

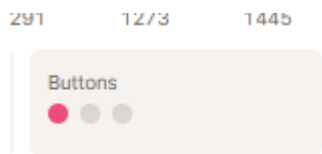
(The robot moves during manual driving. Make sure it is safe to drive and will not collide with anything or fall.)



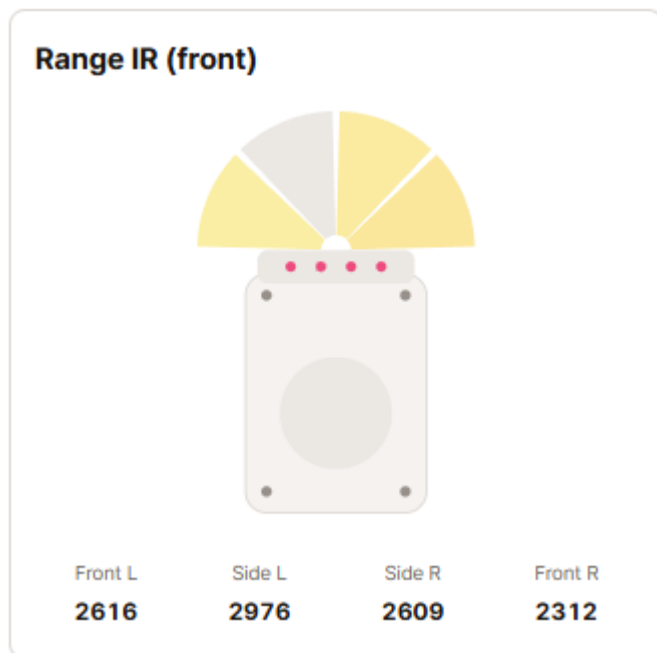
This shows information from the sensors on the underside of the robot.



Lift the robot to see the sensor readings change.



Press any of the three buttons on the side to see which button was pressed through the color change.



This shows information from the IR sensor on the front of the robot.

Move your hand close to the sensor to see the readings change.

IMU (BNO055)☒

Heading
5°

roll / pitch
-1.9° / -2°

Gyro x/y/z (dps)
0.06 / 0.19 / 0

Linear accel x/y/z
-0.01 / 0.05 / -0.24

Calibration s/g/a/m
2/3/0/0

This shows IMU information.

Shake or move the robot to see the values change.

Touch (CST816)☒

Status
Released

Point x / y
--

Gesture
none

Buzzer

Hz ms

Beep

Touches on the screen are detected.

You can try sounding the buzzer.

LED lamp

Color

Action

OnBreathingOff

Brightness 127

LCD (284 × 240)

Color

Action

Pick imageScreen onReset

Apply

The image is scaled to 284×240 and converted to RGB565 before sending.

You can turn the LED and LCD on and off.

Microphone

Gain 25

3

s

Record

The player above uses this PC. To hear it on the robot, press "Play on robot".

You can record audio with the microphone and play it back.

Speaker

Volume 30

Test volume

Stop

Play WAV

The test plays a short sound at the current volume. Starting another cuts the one playing.

You can try operating the speaker.

Link quality

Throughput
11 KB/s

Latency
0 ms

Frame rate
0 fps

Packet loss
0%

You can check the communication status.

Learning Screen

PINKY STUDIO

Home

Robot

Study

< >

Lab

Files

Teacher

Study

Hello, teacher

Teacher

Enrolled courses 1

of 2 total

Stages completed 1 / 64

across 1 courses

Done this week 1 / 4

this week, all courses

Overall accuracy 100%

All courses

Enrolled courses

All Courses

My Courses

Pinky Zero Robot Programming

Zero

Chapter 1 / Chapter 16

This week 0 / 0 / 64 stages done · 0% correct

This week

Pinky Zero Robot Programming · Chapter 1

Pinky's First Steps

Upcoming

Faster, Slower, Backward

Upcoming

Rolling Just One Wheel

Upcoming

Following a Set Path

Upcoming

Recent exercises

Solved Problems

아래 코드는 핑키가 올빨하고 마는데, 앞으로

Pass

아래 코드를 실행하면 핑키는 몇 초 동안 갈

Pass

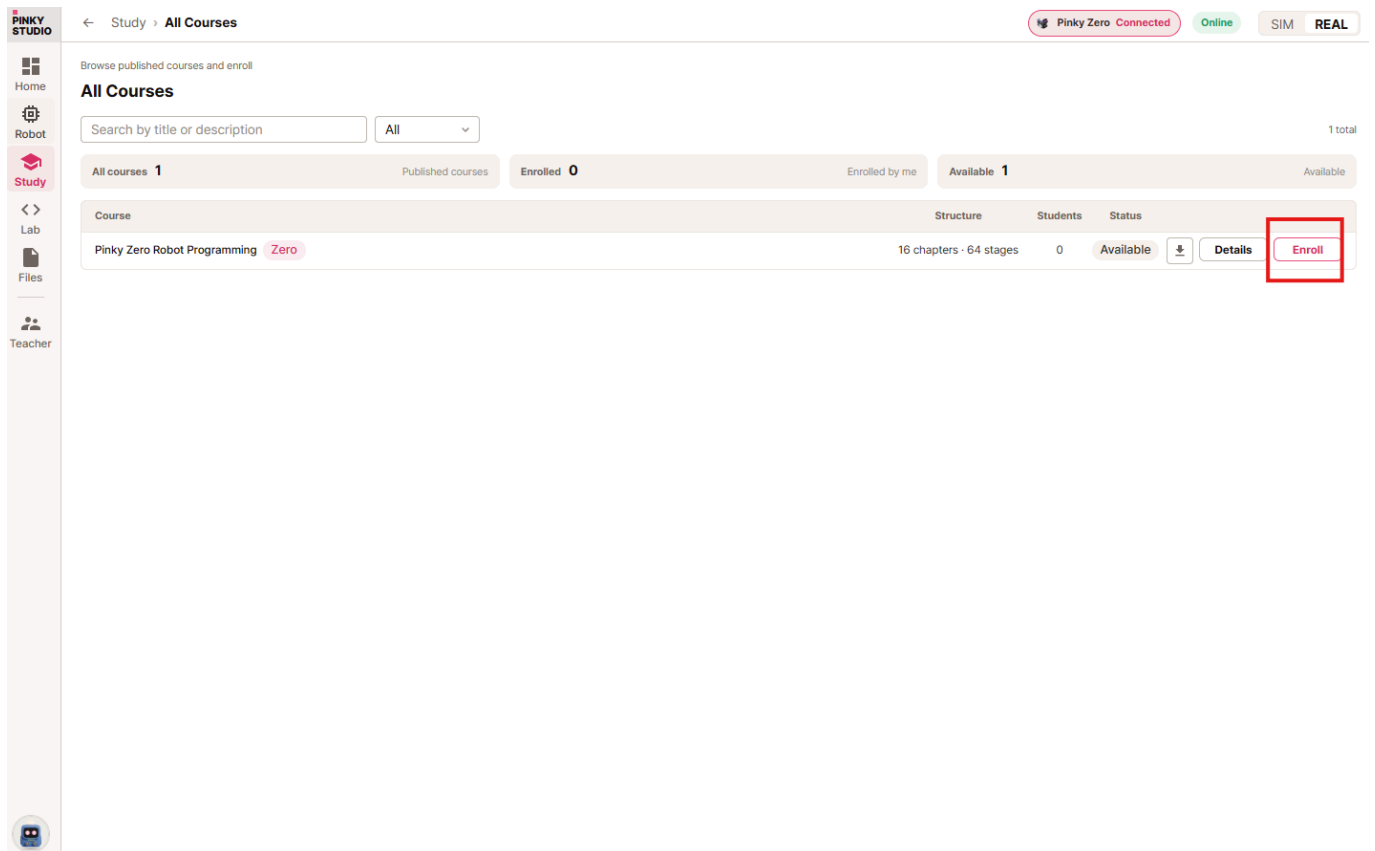
핑키를 앞으로 공장 보내는 코드는 무엇인가요

Pass

On the Learning screen, you can view your current courses, this week's tasks, and recent exercise results.

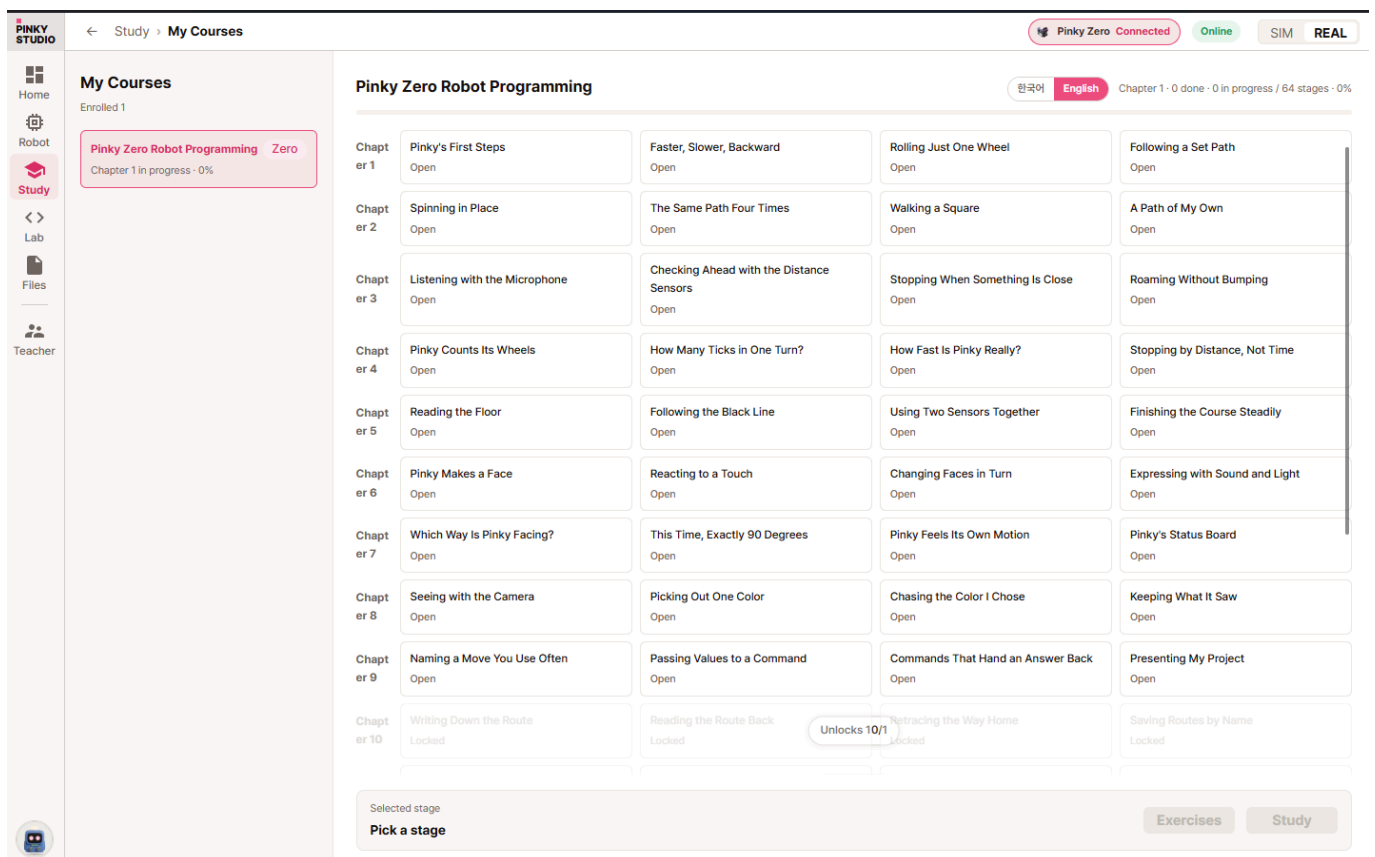
(If the currently connected robot is Pinky Zero, Pinky Pro courses appear faded.)

If you have not enrolled in any courses yet, you can enroll from the All Courses list.

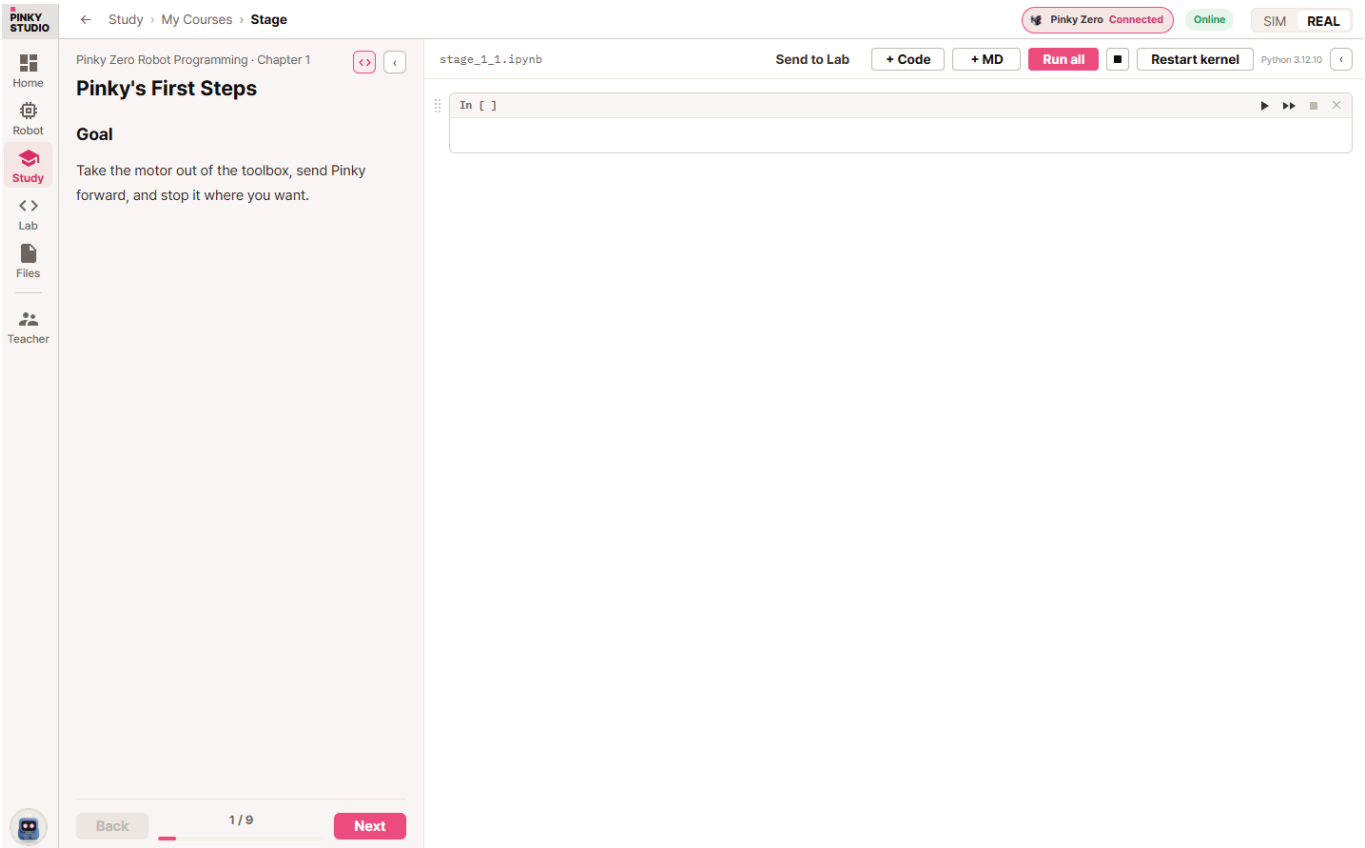


On the All Courses screen, click Enroll to enroll in a course.

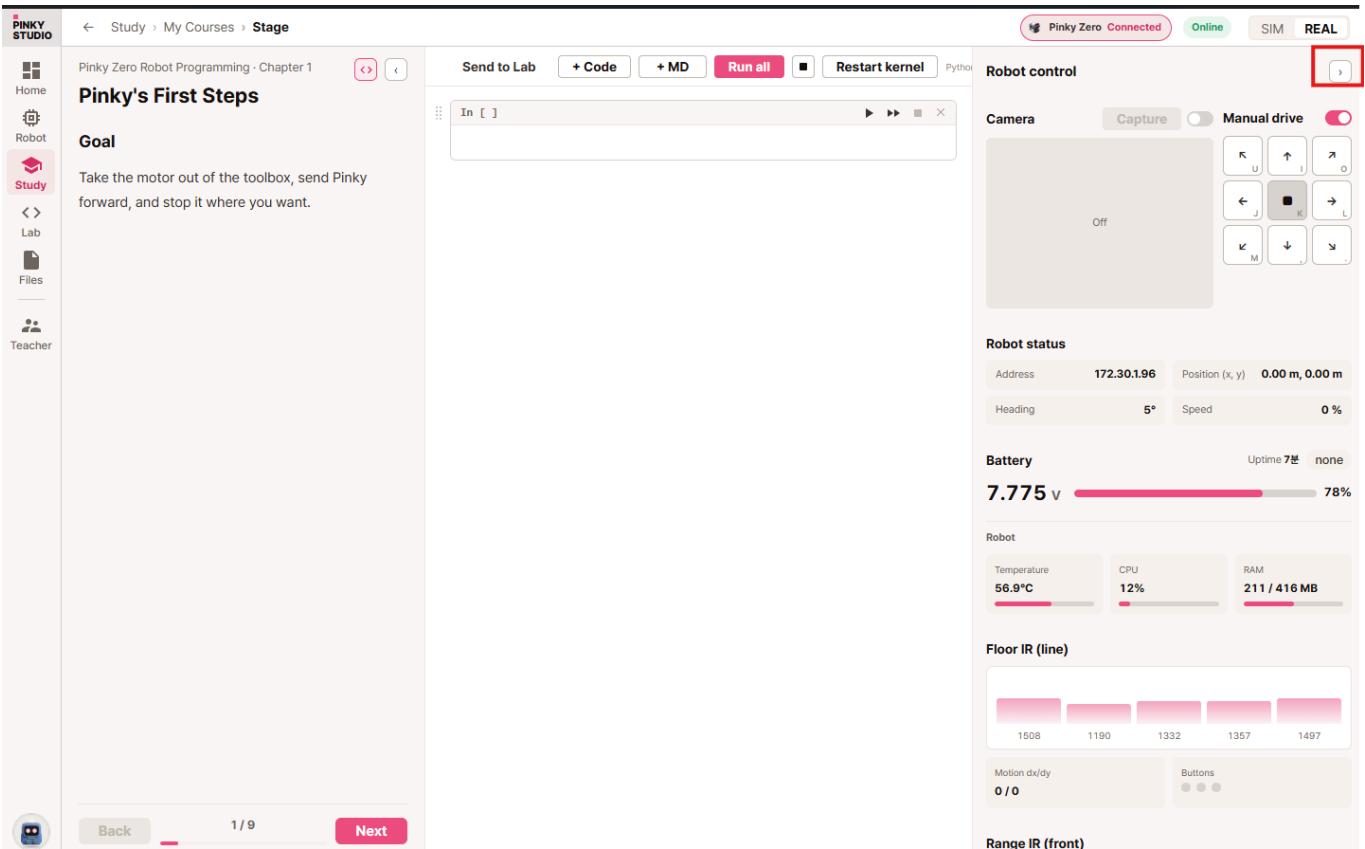
(Click Download to make a course available offline, even when connecting in AP mode disconnects you from the internet.)



Click the course you want to take or the Start Learning button to go to the My Courses screen.



Select the stage you want, then click Start Learning to open the stage learning screen.



Click the expand button on the right to view the robot's sensor information alongside the lesson, as on the dashboard.

Pinky Zero Robot Programming · Chapter 1

<>

◀

Pinky's First Steps

Goal

Take the motor out of the toolbox, send Pinky forward, and stop it where you want.

Back

1 / 9

Next

Click Next at the bottom to view the next part of the course.

The interface is divided into three main sections:

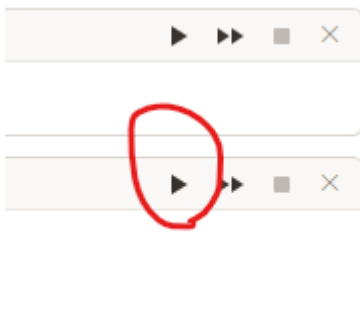
- Left Panel (Lesson):** Titled "Pinky's First Steps", it explains that there are three times to run the code again. It provides instructions on how to connect to the robot's Wi-Fi and includes an "Example code" block with the following Python code:


```
import pinkyzero
import time

# If you connected straight to the robot
pinkyzero.connect("192.168.100.13") #
print("connected")
```

 Below the code is an "Insert code" button.
- Middle Panel (Code Editor):** Shows a code editor with the same example code. It includes buttons for "Send to Lab", "+ Code", "+ MD", "Run all", and "Restart kernel".
- Right Panel (Robot Control):** A dashboard for the robot. It includes:
 - Camera:** A "Capture" button and a "Manual drive" toggle.
 - Robot status:** Displays Address (172.30.1.96), Position (0.00 m, 0.00 m), Heading (5°), and Speed (0 %).
 - Battery:** Shows a voltage of 7.760 V and a 77% charge level.
 - Robot:** Displays Temperature (58.0°C), CPU (11%), and RAM (211 / 416 MB).
 - Floor IR (line):** A sensor array with five bars and values: 1510, 1196, 1336, 1359, 1503.
 - Motion dx/dy:** Shows 0 / 0.
 - Buttons:** Three small circular buttons.

As you work through the course, you will come across code examples. Click Insert Code to insert a cell into the code area.



Click the play button on the right side of a cell, or press Ctrl + Enter or Shift + Enter to run the cell.

The robot may move when a cell runs. Keep enough space around it and make sure it is safe so that it does not collide with anything or fall off the desk!

This screenshot shows a code cell with the following text:


```
motor.set_rpm(30, 30)      # start
time.sleep(2)              # try ch
|                           # the comm
```

 A red box highlights the cursor at the end of the third line. Below the code cell are three buttons: "Hint", "OK", and "Insert code".

Some code examples include fill-in-the-blank questions.
Fill in the blank and press Enter.

Example code All correct

```
motor.set_rpm(30, 30)      # start
time.sleep(2)              # try ch
motor.stop()               # the comm
```

Hint

OK

Insert code

Correct answers appear in green.

Example code 1 blanks

```
motor.set_rpm(30, 30)      # start
time.sleep(2)              # try ch
motor.()                   # the comm
```

Hint

OK

Insert code

Incorrect answers appear in red.

Example code 1 blanks

```
motor.set_rpm(30, 30)      # start
time.sleep(2)              # try ch
motor.stop()               # the comm
```

Hide hint

OK

Insert code

If you do not know the answer, click Hint to see it in faint text.

After entering the correct answer, insert the code and run it in a cell.

Back

9 / 9

Start exercises

When you finish the lesson content, the Solve Exercises button appears. You can use it to open the practice exercises screen.

PINKY STUDIO

Home

Robot

Study

Lab

Files

Teacher

←

Study

Stage

Exercises

Pinky Zero Connected

Online

SIM

REAL

Pinky Zero Robot Programming - Chapter 1 - Pinky's First Steps

0 / 3 Questions

1

2

3

Exercises

Question 1

Previous

Next

Which code sends Pinky straight forward?

☐ `motor.set_rpm(30, 30)`

☐ `motor.set_rpm(30)`

☐ `motor.forward(30)`

☐ `motor.move(30, 30)`

Answer all 3 questions to submit - grading happens on this PC

Leave

Submit

PINKY STUDIO

Home

Robot

Study

Lab

Files

Teacher

←

Study

Stage

Exercises

Pinky Zero Connected

Online

SIM

REAL

Pinky Zero Robot Programming - Chapter 1 - Pinky's First Steps

3 / 3 Questions

1

2

3

Exercises

Question 3

Previous

Submit

This code makes Pinky twitch, but it never moves forward. What is missing?

```
motor.set_rpm(30, 30)
motor.stop()
```

☒ `motor.enable()` is missing

☐ `time.sleep()` is missing between the two lines

☐ `import time` is missing

☐ The numbers in `motor.set_rpm` are too small

Answer all 3 questions to submit - grading happens on this PC

Leave

Submit

When you have answered all the questions, click Submit to submit your answers.

PINKY STUDIO

Home

Robot

Study

Lab

Files

Teacher

← Study › Stage › Exercises › Results

Pinky Zero Connected

Online

SIM

REAL

Pinky Zero Robot Programming · Chapter 1 · Pinky's First Steps

Exercises · Results

Retry 2 wrong

Retry all

Next stage

Total

3

This exercise set

Correct

1

Correct

Wrong

2

Explanation per choice

Accuracy

33%

This attempt

This stage is marked complete. You can retry the 2 you missed

Questions

Question 1

Pass

Question 2

Fail

Question 3

Fail

Question 2 · How many seconds will Pinky travel when this code runs?

Fail

```
motor.set_xpm(30, 30)
time.sleep(2)
time.sleep(3)
motor.stop()
```

2 seconds

Your answer

3 seconds

5 seconds

Correct

It does not move

Explanation

That counts only the first line. It misses that there are two waiting lines.

After submitting, you can view your grading results and the answer explanations.

Pinky

한국어 Eng

Pinky Zero Robot Programming

Chapter 1

Pinky's First Steps

Done

Faster, Slower, Backward

In progress

Rolling Just One Wheel

Open

Chapter 2

Spinning in Place

Open

The Same Path Four Times

Open

Walking a Square

Open

Chapter 3

Listening with the Microphone

Open

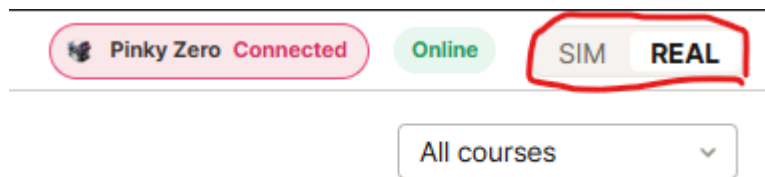
Checking Ahead with the Distance Sensors

Open

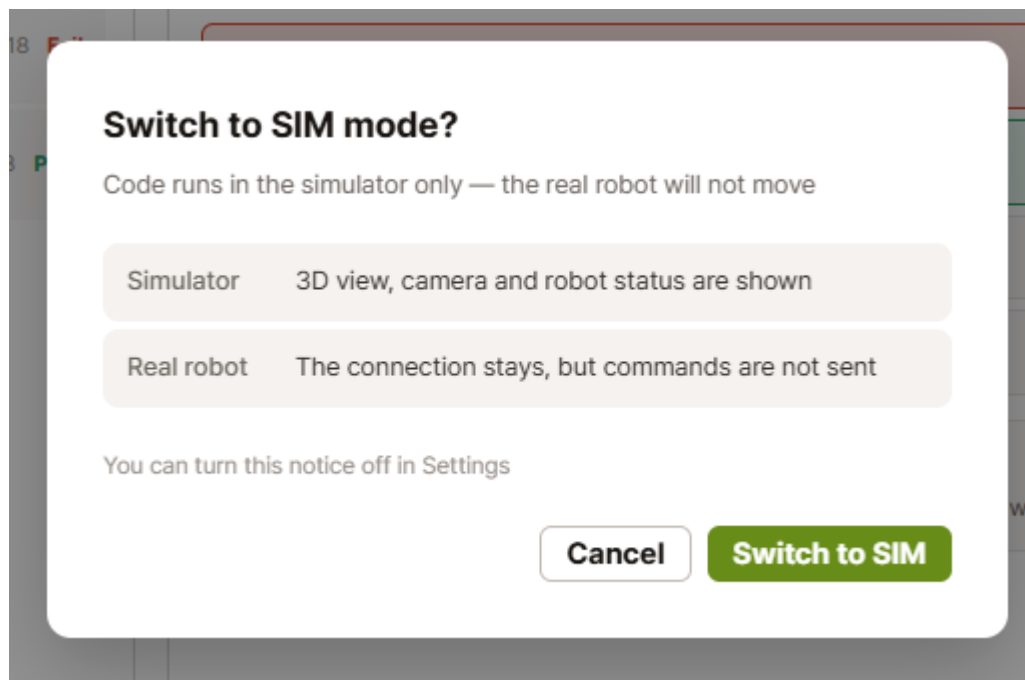
Stopping When Something Is Close

Open

Once you have completed all the exercises, the stage is marked as complete.



Click the Sim / Real toggle at the top.



A dialog for switching to Sim mode appears.

Click Switch to SIM.

PINKY STUDIO

Study > Solved Problems

Pinky Zero Connected

Online

SIM

REAL

Home

Robot

Study

Lab

Files

Teacher

Solved Problems

All courses

Solved 3

All records

Correct 1

Passed

Wrong 2

Worth retrying

Accuracy 33%

Across all

Starred 0

Marked for review

History

Newest first · 3

☆

Pinky's First Steps · Question

Pinky Zero Robot Programming

09-18

Fail

☆

Pinky's First Steps · Question

Pinky Zero Robot Programming

09-18

Fail

☆

Pinky's First Steps · Question

Pinky Zero Robot Programming

09-18

Pass

Pinky Zero Robot Programming · Pinky's First Steps

Fail

☆ Starred

Question · This code makes Pinky twitch, but it never moves forward. What is missing?

```
motor.set_rpm(30, 30)
motor.stop()
```

⓪ motor.enable() is missing

Your answer

⓪ time.sleep() is missing between the two lines

Correct

⓪ import time is missing

⓪ The numbers in motor.set_rpm are too small

Explanation

You cannot tell from this code alone, and if there were no holding force it would not even twitch. The twitch means the force was on.

The interface turns green. (A green interface indicates Sim mode.)

PINKY STUDIO

Study > My Courses > Stage

Pinky Zero Connected

Online

SIM

REAL

Home

Robot

Study

Lab

Files

Teacher

Pinky Zero Robot Programming · Chapter 1

Send to Lab

+ Code

+ MD

Run all

Restart kernel

In []

```
import pinkyzero
import time

# If you connected straight to the robot Wi-Fi, it is 192.168.7.1
pinkyzero.connect("192.168.108.13") # ← type in your own
robot's address
print("connected")
```

Pinky's First Steps

Wrap-up

- Pinky has **twelve** devices, and what we learned today is the **motor**
- `motor.set_rpm(left, right)` — the first number is the left wheel, the second is the right wheel
- With `time.sleep()`, it rolls for as long as you waited
- To stop, call `motor.stop()` yourself

Next time we will change the speed and go backward too.

Let go of the tools when you are done. If you open the next stage without running this cell, Pinky will not move properly.

Example code

```
motor.stop()
motor.close()
print("cleaned up")
```

Insert code

Back

9 / 9

Start exercises

Simulator

Map Practice ground Edit map Reset position ?

LCD screen & sensor tilt

Camera

Capture

Manual drive

U

I

O

J

K

L

M

↓

↘

Robot status

Address	172.30.1.96	Position (x, y)	2.00 m, 1.50 m
Heading	0°	Speed	0 %

Battery

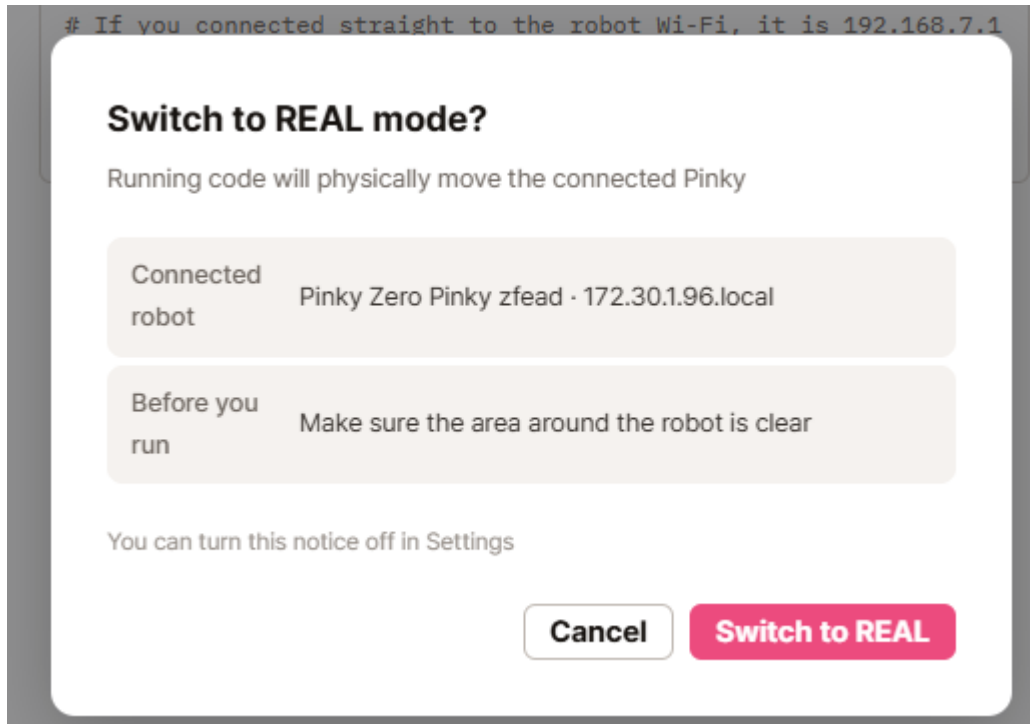
Try learning in a stage again.

Click the expand button in the upper-right corner.

This time, the simulator appears instead of the robot control screen.

The simulator lets you continue learning even without a robot.

To switch back to Real mode, click the SIM / REAL toggle in the upper-right corner.



Click Switch to REAL.

PINKY STUDIO

Study > My Courses > Stage

Pinky Zero Robot Programming · Chapter 1

Pinky's First Steps

Wrap-up

- Pinky has **twelve** devices, and what we learned today is the **motor**
- `motor.set_xpm(left, right)` — the **first number is the left wheel, the second is the right wheel**
- With `time.sleep()`, it rolls for **as long as you waited**
- To stop, call `motor.stop()` yourself

Next time we will change the speed and go **backward** too.

Let go of the tools when you are done. If you open the next stage without running this cell, Pinky will not move properly.

Example code

```
motor.stop()
motor.close()
print("cleaned up")
```

Insert code

Send to Lab + Code + MD Run all Restart kernel

```
In [ ]
In [ ]
import pinkyzero
import time

# If you connected straight to the robot Wi-Fi, it is 192.168.7.1
pinkyzero.connect("192.168.100.13") # ← type in your own robot's address
print("connected")
```

Robot control

Camera Capture Manual drive

Off

Robot status

Address	172.30.1.96	Position (x, y)	0.00 m, 0.00 m
Heading	0°	Speed	0 %

Battery Uptime 13m none

7.712 V 75%

Robot

Temperature	CPU	RAM
61.2°C	5%	212 / 416 MB

Floor IR (line)

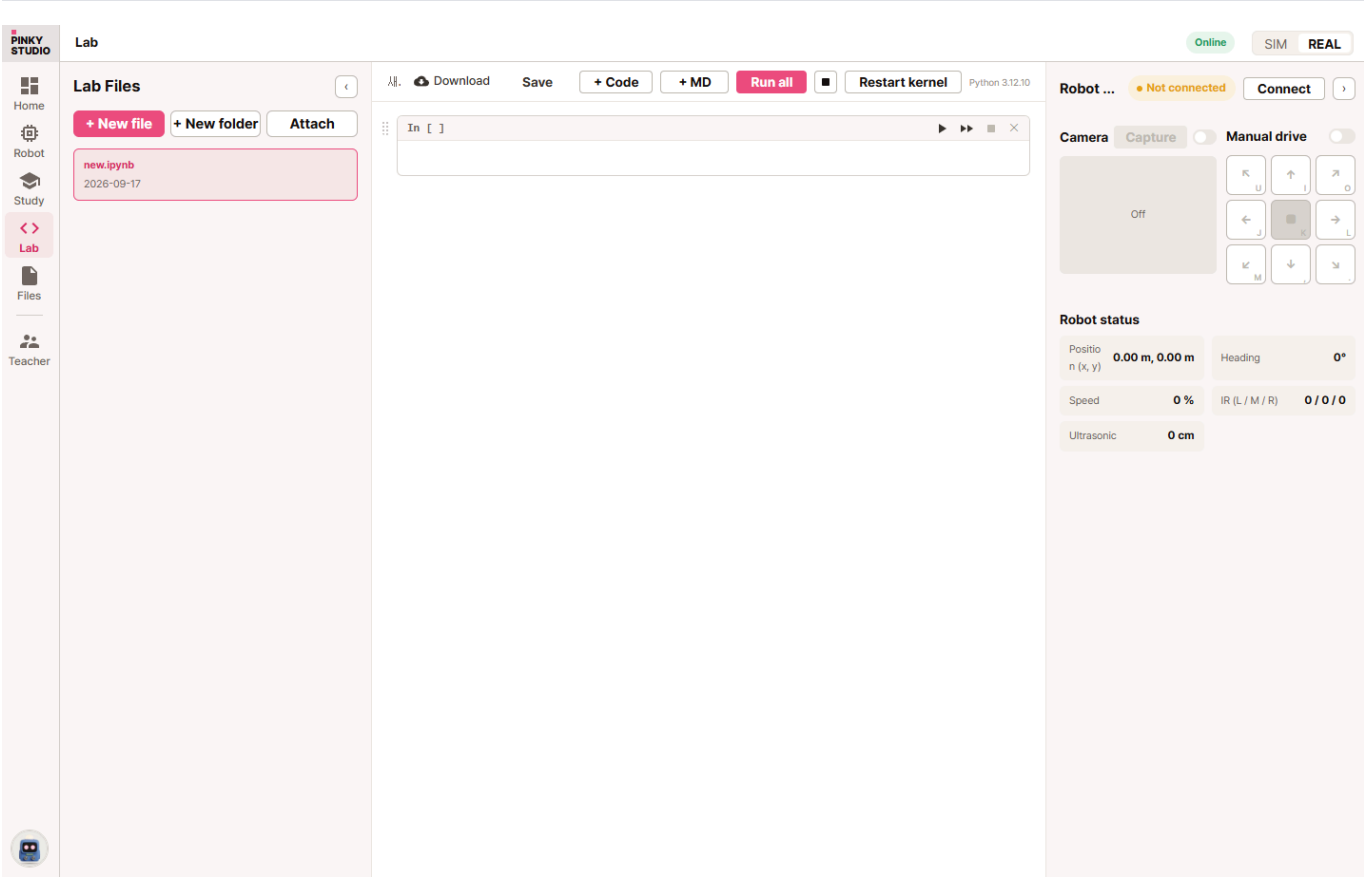
1521	1211	1344	1370	1511
------	------	------	------	------

Motion dx/dy 0 / 0 Buttons

Back 9 / 9 Start exercises

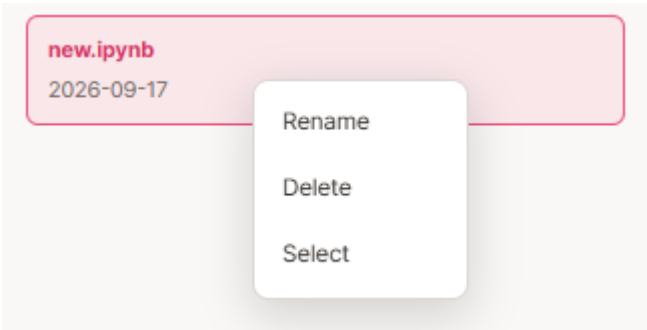
The mode switches!

Lab Screen



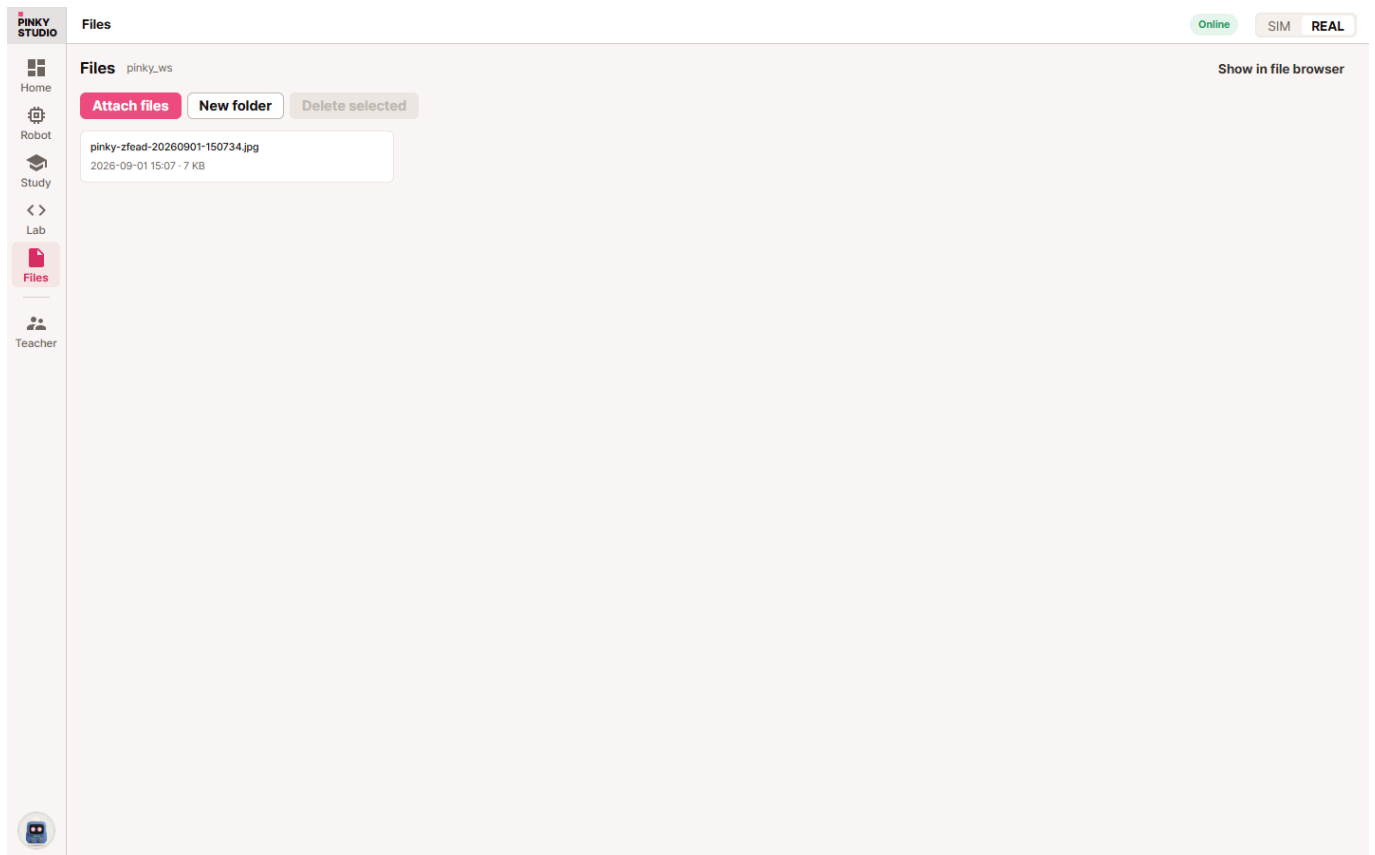
The Lab is a screen where you can freely practice coding on your own.

You can write and test your own code independently of the code provided in the stages.



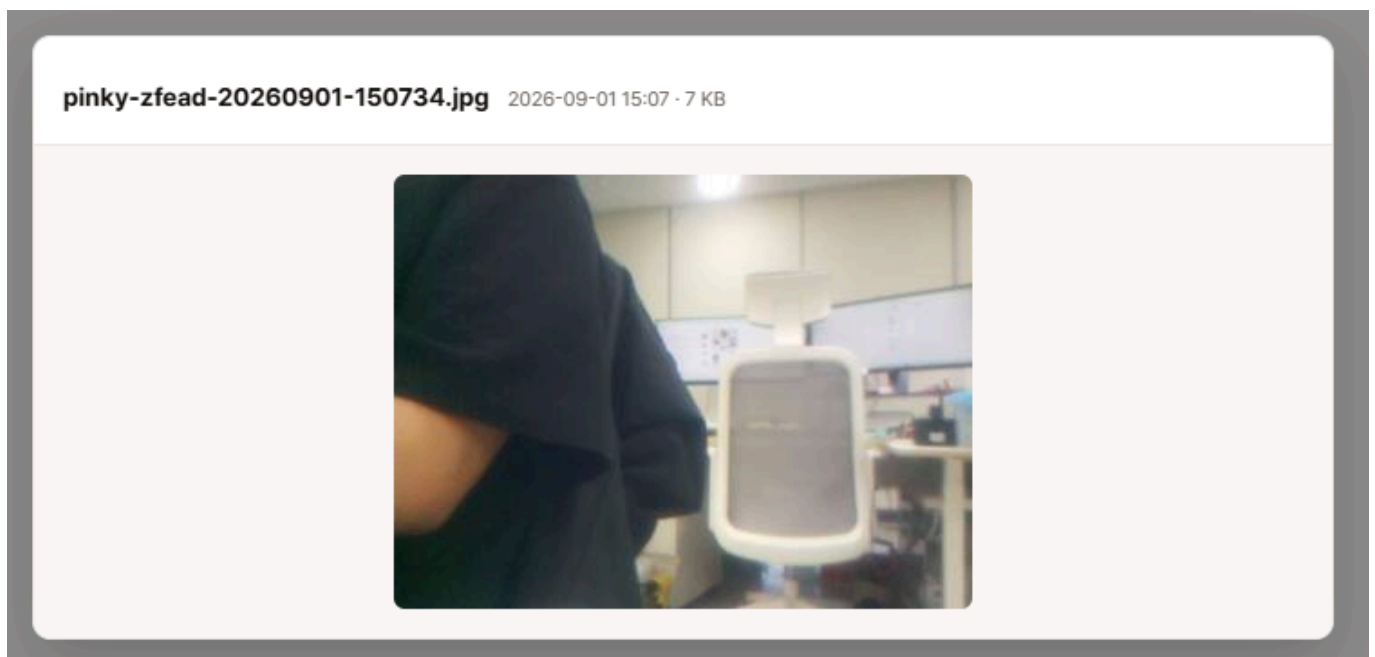
Right-click a file to rename or delete it.

Files Screen



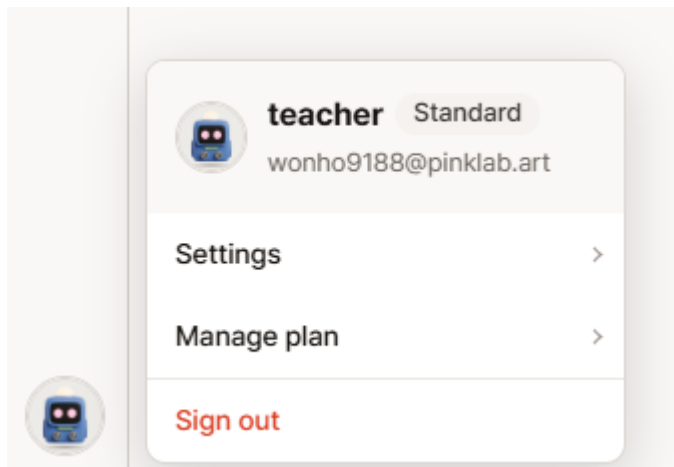
On the Files screen, you can view captured images, code, and md (Markdown) files.

These are managed in a folder called pinky_ws.

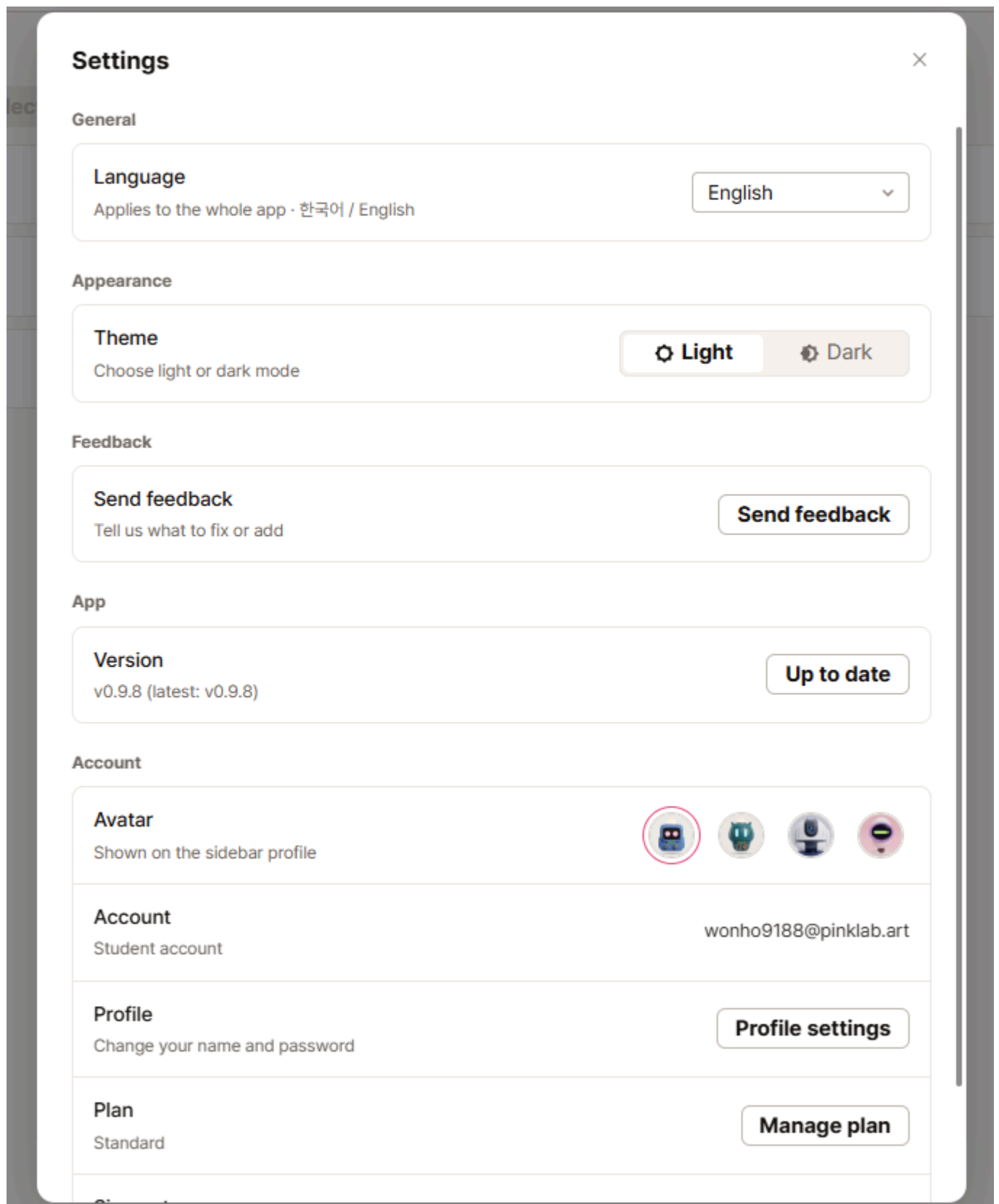


Double-click a file to view its contents in a pop-up window.

Settings Screen



Click your profile on the left to open a popover with Settings, Subscription Management, and Log Out.
Click Settings.



The Settings dialog appears.

General

Language

Applies to the whole app · 한국어 / English

English



You can change the language.

Appearance

Theme

Choose light or dark mode

⚙️ Light

⚙️ Dark

You can choose light mode or dark mode.

Feedback

Send feedback

Tell us what to fix or add

Send feedback

Use Send Feedback to report any difficulties you encounter while using the app.

Account

Avatar

Shown on the sidebar profile



Account

Student account

wonho9188@pinklab.art

Profile

Change your name and password

Profile settings

Plan

Standard

Manage plan

Sign out

Sign out on this device

Sign out

< Profile settings



Name

teacher

OK

Password

Current password



New password



Confirm new password



OK

You can change your name and password in Account Settings.



PinkLAB YouTube Channel

PinkLAB Studio — Robotics, AI, ROS2 and more!

 **Subscribe on YouTube**

https://www.youtube.com/@pinklab_studio