Programming Environment Preparation for Pico:ed

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1.1. Download and Install the Software

When you start coding on Pico:ed, we recommend using the integrated development environment Thonny, which you can install by choosing the appropriate version for your computer system.

Download link: https://thonny.org

Thonny Python IDE for beginners		Download version 3:3:13 for Windows • Mac • Linux For the curious: <u>4.0.0b2</u>			
ត្រូ Thonny			-		×
File Edit View Run Tools Help					
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🗋 💕 🛃 🔘 🔅 🧒 🌫 🖉 🥶 factorial.py ×		Variables			
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After the installment, click the "Options" from the drawer of the "Tools".



Choose "Interpreter" and click "CircuitPython(generic)", then confirm it with the "OK".

The Thonny options	×
General Interpreter Editor Theme & Font Run & Debug Terminal Shell Assistant	
Which kind of interpreter should Thonpy use for running your code?	
CircuitPython (generic)	_
Python 3	
Remote Python 3 (SSH)	
MicroPython (SSH)	
MicroPython (BBC micro:bit)	
MicroPython (Raspberry Pi Pico)	
MicroPython (RP2040)	
MicroPython (ESP32)	
MicroPython (ESP8266)	
CircuitPython (generic)	_
merupt working program a connect	
Synchronize device's real time clock	
Use local time in real time clock	
Restart interpreter before running a script 2	
٥	
Install or update	e firmware
ОК С	ancel

Once added successfully you can start programming, it is recommended to click on View and check the box to open the shell and Files view.



1.2. Installation Steps of the Firmware

Download the Pico:ed firmware (compatible with Pico:ed V1 and V2) from this link: <u>Pico:ed</u> <u>Firmware</u>.

After downloading, press the BOOTSEL button to install or update firmware.





Long pressing the download button and connet with the USB cable, release the button until you see a disk named RPI-RP2 on the computer.

	RPI-RP2	(D:)	
Print to PD	F		
	127 MB	free of 127	' MB

Copy the downloaded firmware to that disk.

	Name
📌 Quick access	∠ Today (1)
📥 OneDrive - Personal	elecfreaks-circuitpython-elecfreaks_picoed-en_US-7.3.0-ef.1-dirty20220712.uf2
ithis PC	> Last week (7)
🧊 3D Objects	> Last month (2)
Desktop	> Earlier this year (14)
Documents	> A long time ago (21)
🎝 Music	
Notures	
🚼 Videos	
BOOTCAM P (C:)	
🥪 RPI-RP2 (D:)	
RPI-RP2 (D:)	
Network	Copy to RPI-RP2 (D:)

Pico:ed will reconnet automatically after getting the firmware downloaded, then you will see a CIRCUITPY disk.

CIRCUITPY (D:)	
0.97 MB free of 0.98 MB	

Now, you can start programming in code.py in CIRCUITPY.

📕 lib
.metadata_never_index
.Trashes
boot_out.txt
🧟 code.py

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