



pi-top



> Getting started_

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>Hello world_

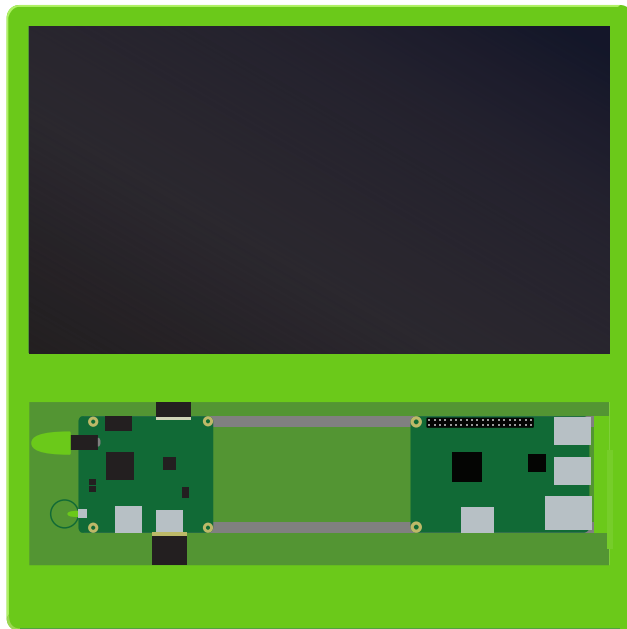
> Discover a new universe



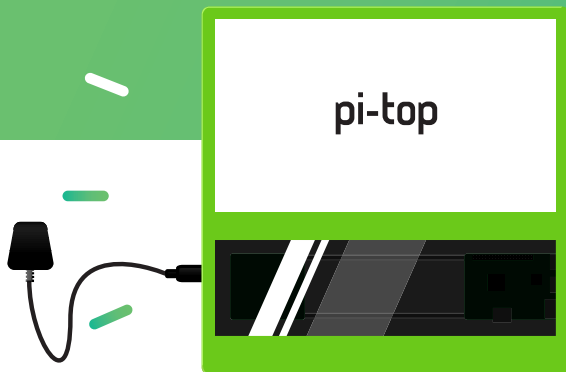
Eject your micro SD

Getting Started

Locate your instruction booklet, and follow the steps to assemble your **pi-top**CEED.



Yay!



Well done! Now you are ready to boot up your **pi-top**CEED by pressing the power button located behind the **pi-top**CEED

We can begin your first challenge, setting up and personalizing your very own Dashboard.

pi-topOS

Overview

Now that your dashboard is up and running you can get to know the **pi-topOS** apps.

pi-topCODER

Whether you're an expert or a beginner, **pi-topCODER** is an exciting and intuitive coding environment which allows you to explore the world of coding and physical computing at your own pace.

CEEDuniverse

Greetings explorers.
Embark on an epic journey!
After crash landing on strange new planet you will explore alien worlds, discover hidden secrets, and advance your knowledge in science and technology along the way.

More apps to explore



Chromium



Drive



Libre
Office



3D Slash



Python



Gmail



Docs



Slides



Mathematica



Scratch



Youtube



Minecraft



Sheets



Sonic Pi



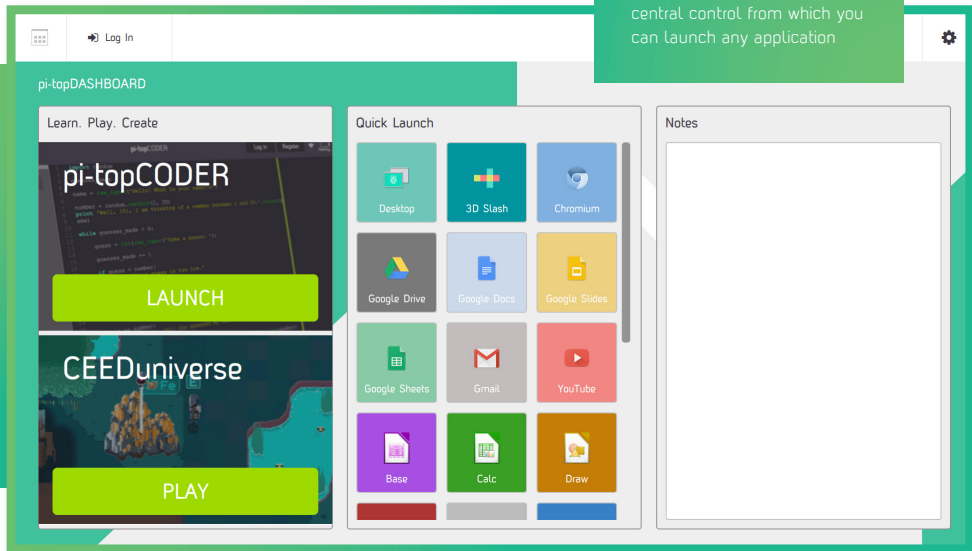
CEEDuniverse

You can use your **pi-top** like any normal laptop, these are some of the amazing apps you have access to!

pi-topDASHBOARD

Welcome to the dashboard, this is your starting-point in **pi-top**OS: Polaris. It simplifies the way you interact with Raspberry Pi and will be the main hub for all your activities on your device.

The dashboard acts as your central control from which you can launch any application



pi-topCODER

Access Raspberry Pi resources and projects created by educators from all over the world. You will learn the fundamentals of programming, physical computing and be able to track your progress along the way.

Learn to create
hardware with
pi-topPROTO.



pi-topCODER has a fully integrated coding environment letting you program hardware, code in Python and learn lots of STEAM skills! Our embedded test framework will ensure that you understand all concepts.

⌵ Log In

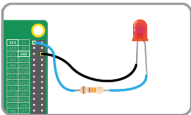
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Lighting an led < >

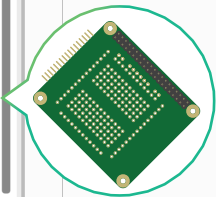
1

LEDs are delicate little things. If you put too much current through them they will pop (sometimes quite spectacularly). To limit the current going through the LED, you should always use a resistor in series with it.

Try connecting the long leg of an LED to the Pi's 3V3 and the short leg to a GND pin. The resistor can be anything over about 50Ω.



The LED should light up. It will always be on, because it's connected to a 3V3 pin, which is itself always on.



<< Hide Give Feedback

✓ Submit ▶ Run ■ Stop

↶ ↷ Font Python 3 Font ✕ Clear

CEEDuniverse

Explore the alien world of CEED**universe** and learn to code python on your journey in a strange new world. For best experience please plug in your **pi-top**SPEAKER.



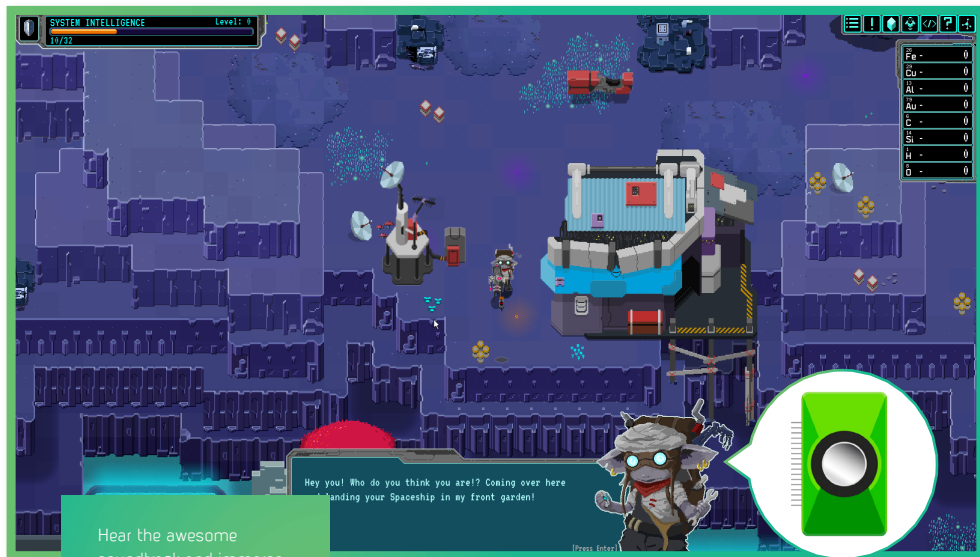
HARDWARE INTERGRATION

You can also build circuits to interact with CEED**universe**. For example; build a button to turn on the torch to light up dark caves.



MINIGAMES

Learn programming concepts through our minigames, for example learn problem decomposition by solving visual programming puzzles.



Hear the awesome
soundtrack and immerse
yourself in CEEDuniverse.

Meet fun & interesting
characters through your
journey!



PEAT



OSWALD



SUSIE

Minecraft

Included is a special version of Minecraft with the added ability of using text commands, which lets you build things in the game automatically using Python.

```
import time
import mcpi.minecraft as minecraft
mc = minecraft.Minecraft.create()

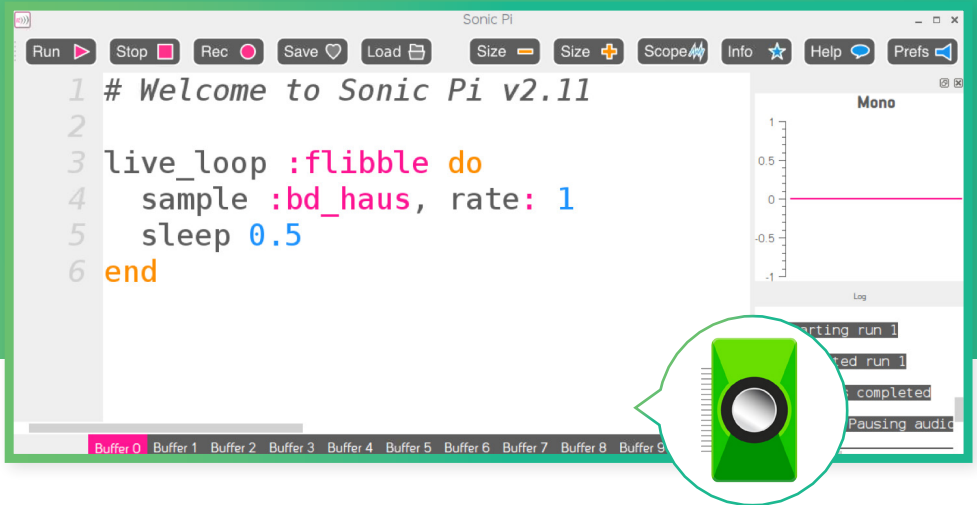
while True:
    mc.postToChat("Hi from PITOP ")
```

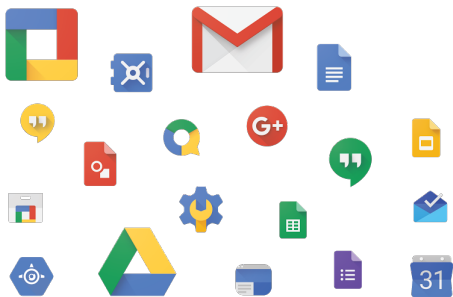
In the first example, we have written a simple Python script to send a message to the minecraft chat window and loop this message so it displays until someone stops the script.



Sonic Pi

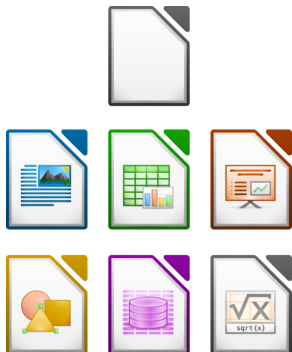
Sonic Pi is a live coding music synth made for everyone. You can learn to code creatively by composing or performing music in an incredible range of styles.





G Suite

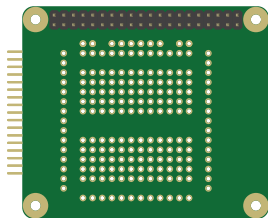
Have full access to G Suite; easily use the most comprehensible software suite on the internet.



Libre Office

Fully compatible with Microsoft Office, MacOS and Google Drive.

Accessories



pi-topPROTO

Use **pi-top**PROTO to make circuits for **pi-top**CODER CEED**universe** & your own projects.



pi-topSPEAKER

Use **pi-top**SPEAKER to give your **pi-top** a voice. Enjoy emersive gameplay in CEED**universe** or make your own music using Sonic Pi.

LEARN
PLAY
CREATE

