Ubuntu 22.10 Installation on the Framework Laptop

How to install Ubuntu 22.10 Linux on a Framework Laptop

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INTRODUCTION

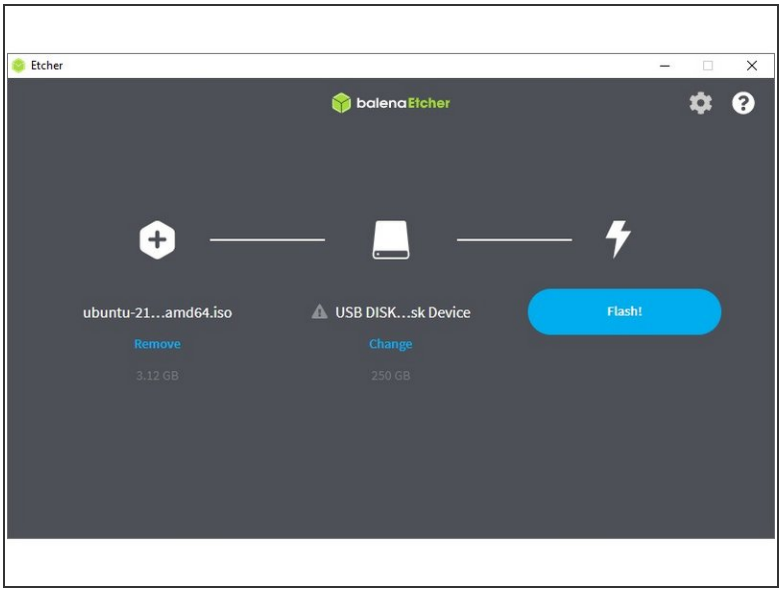
Once you have your Framework Laptop set up following the Quick Start Guide, you're ready to install your preferred OS. Ubuntu 22.10 works fantastically well right out of the box. WiFi and the Fingerprint Reader work automatically. With one workaround, you can also get pretty good standby battery life.

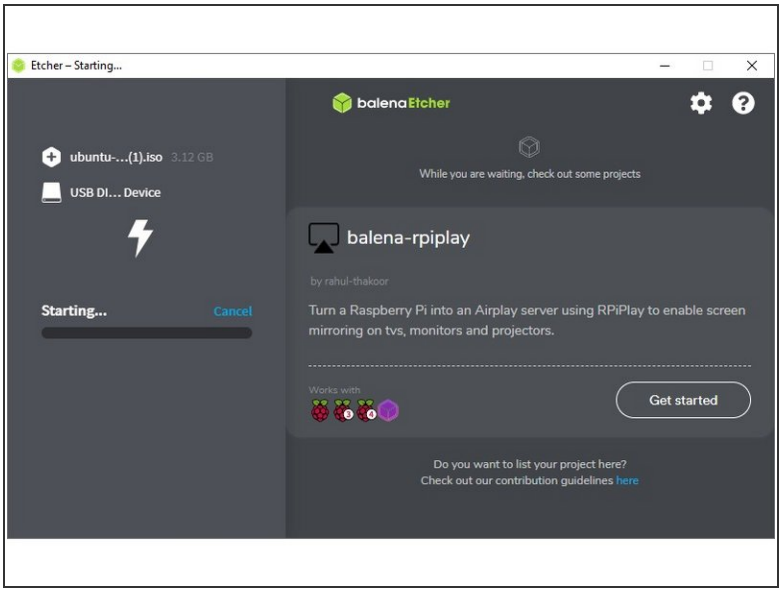
PARTS:

- Storage Expansion Card (1)

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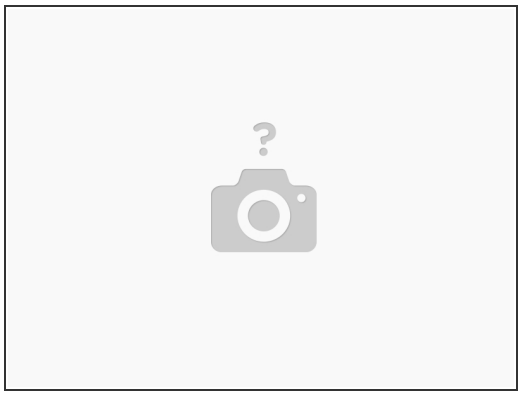
Step 1 — Enjoy using Ubuntu on your Framework Laptop!





- First, download the latest Ubuntu 22.10 Desktop image from Ubuntu's website. Ubuntu has a detailed installation guide that you can follow. We'll go through the steps in this Guide assuming you have a simple installation scenario of a fresh install on a blank drive.
- Download balenaEtcher as a tool to create the USB installer from the ISO. balenaEtcher is available for Windows, MacOS, and Linux. You can either install it or download the portable version that runs directly from the executable.
- Launch balenaEtcher. Insert your USB drive (8GB or larger). Click on "Flash from file" and select the ubuntu-22.10-desktop-amd64.iso that you downloaded. Click on "Select target" and choose your USB drive. Click "Flash" and wait a minute or two for it to complete.
- Once the USB drive creation is complete, you can close balenaEtcher and eject the USB drive from your OS.

Step 2 — Running Ubuntu



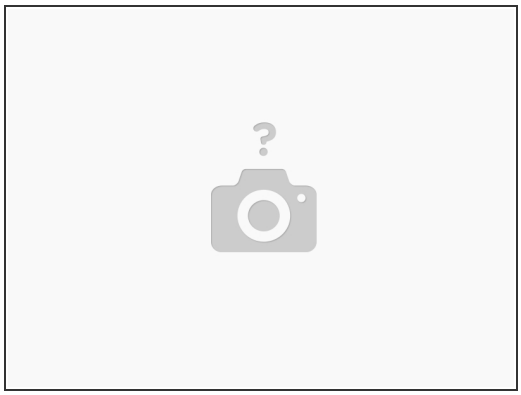
- Insert the USB drive into your powered off Framework Laptop, and then power on. If you have an existing OS installed on the Storage drive in your laptop, you'll need to tap F12 as you boot to bring up the Boot Manager screen. You can then select the "Linpus lite" item with your arrow keys and hit Enter.

  If you don't have an internal storage drive installed or it is blank, the laptop will boot to the USB drive directly.

- Hit Enter again to boot into Ubuntu.

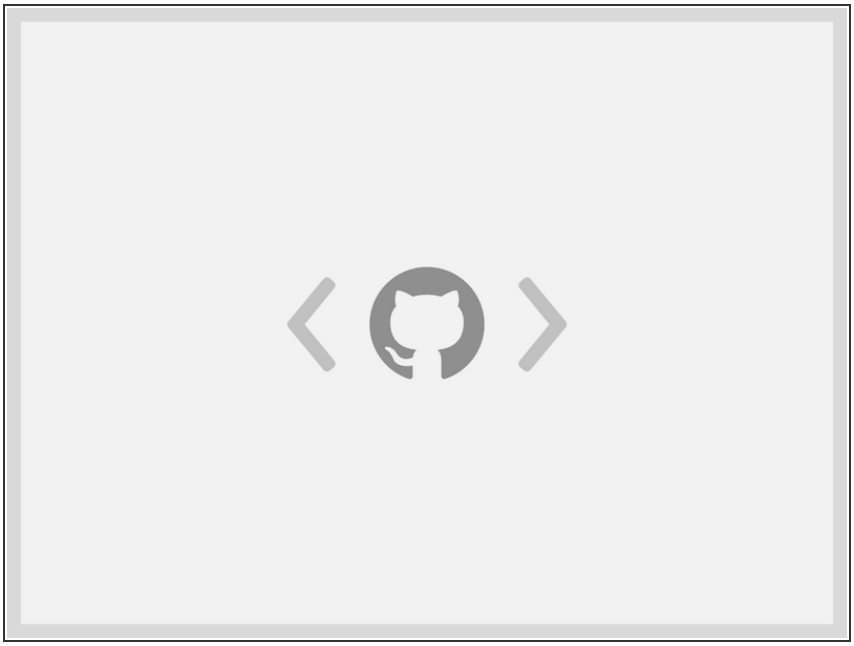
- After a few seconds, you're in! If you just want to try Ubuntu out, you can click on the Try Ubuntu button and browse through the live USB version of it without touching the internal storage drive. If you do want to install Ubuntu to the internal storage drive, go on to the next step.

Step 3 — Installing Ubuntu to a drive



- Click on the Install Ubuntu button.
- Select the keyboard language you'd like to use. On the next screen, connect to your WiFi network if available. On the "Updates and other software" screen, you can keep the default selections or optionally also check the "Install third-party software" box, and click Continue.
- On the "Installation type" screen, you may have a range of options available if there is already on OS on your internal drive. For the purposes of this guide, we're assuming a clean install with the "Erase disk and install Ubuntu" option. For the other advanced options around dual booting, you can follow Ubuntu's guide. Click continue.
- Select your internal drive if it isn't selected, and click Install Now. Follow the on-screen instructions to select your time zone and set up your user account. After installation completes, click Restart Now.

Step 4 — Completing Setup - 12th Gen Only



This is for 12th Gen ONLY. Copy the entire text block provided in the gist embed on the left, paste into the terminal, press enter and type your user's password as prompted. 11th Gen users, go to Step 5. Text to paste is labeled under *****COPY AND PASTE THIS CODE BELOW*****

The gist embed on the left will provide your Ubuntu installation with the following:

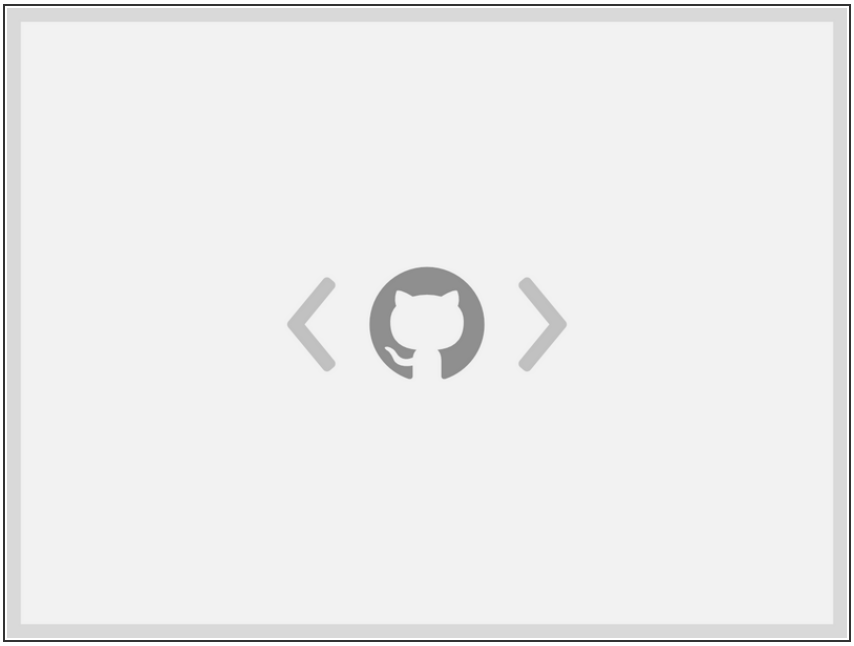
- Setup the recommended config for Wi-Fi power saving correction to prevent drop-offs.
- Provide a workaround needed (SN750 for example) to get the best suspend battery life for SSD power drain.
- Disable the ALS sensor (Ambient Light Sensor) so that your brightness keys work.
- Enable fractional scaling for Ubuntu and Enable headset mic input.

Details on gaining additional battery life and getting sudo working with the fingerprint reader are available in the embed gist on the left.

⚠ After installing your OS, we recommend updating to the latest firmware (12th Gen Intel Core) to make sure the laptop is running at optimal performance and stability.

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Step 5 — Completing Setup - 11th Gen Only



This is for 11th Gen ONLY. Copy the entire text block provided in the gist embed on the left, paste into the terminal, press enter and type your user's password as prompted. Text to paste is labeled under *****COPY AND PASTE THIS CODE BELOW*****

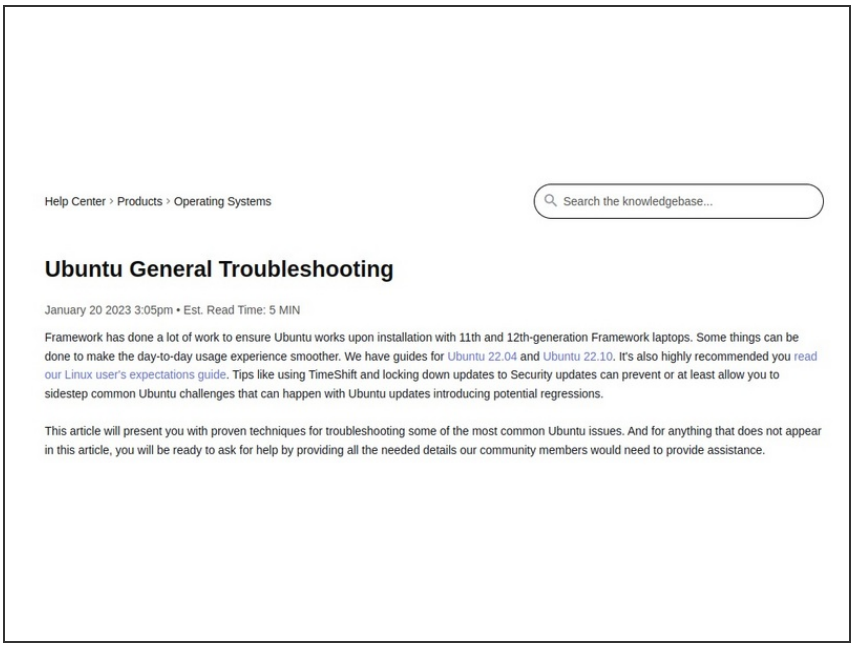
The gist embed on the left will provide your Ubuntu installation with the following:

- Setup the recommended config for Wi-Fi power saving correction to prevent drop-offs.
- Provide a workaround needed (SN750 for example) to get the best suspend battery life for SSD power drain.
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After installing your OS, we recommend updating to the latest firmware (11th Gen Intel Core) to make sure the laptop is running at optimal performance and stability.

Step 6 — Troubleshooting Ubuntu 22.10



- Please visit our troubleshooting guide first.
- If you need additional help, feel free to visit our active support community.

Enjoy using Ubuntu on your Framework Laptop! If you have any questions or run into any issues, we recommend bringing them to the Community in the Ubuntu 22.10 topic. Members of the Framework team participate in discussions there.