



Ubuntu 24.04 LTS Installation on the Framework Laptop 16

How to install Ubuntu 24.04 LTS Linux on a Framework Laptop 16

Written By: Matt Hartley



INTRODUCTION

Once you have your Framework Laptop 16 set up following the [Quick Start Guide](#), you're ready to install your preferred OS. Ubuntu 24.04 LTS works fantastically well.

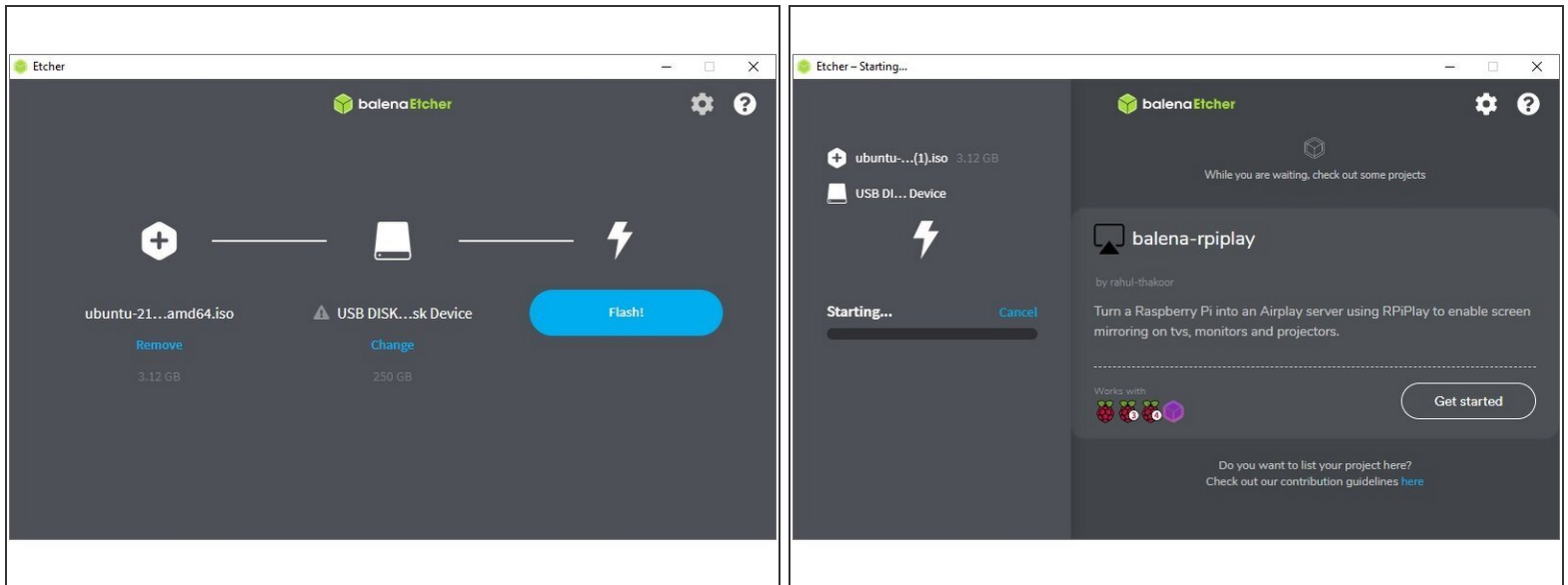
NOTE: This is an [Officially Supported Linux Distribution](#). [Learn more here](#).



PARTS:

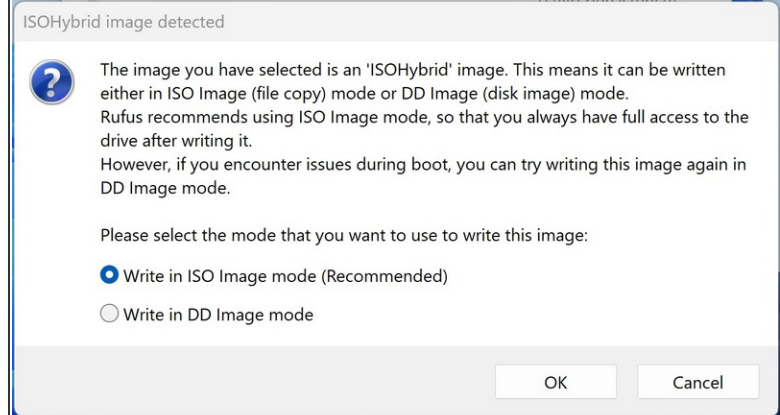
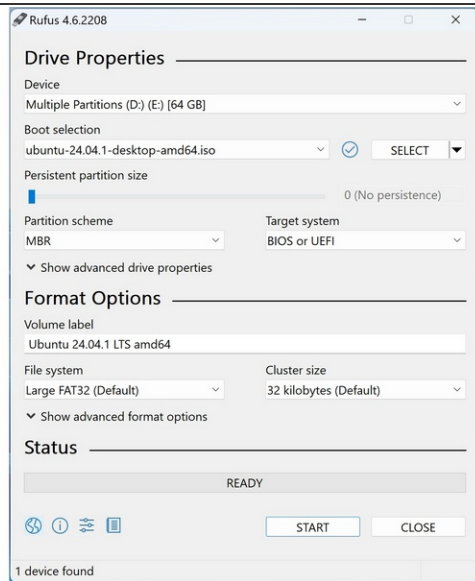
- [Storage Expansion Card](#) (1)
-

Step 1 — (From macOS) Preparing USB Ubuntu Installation Media



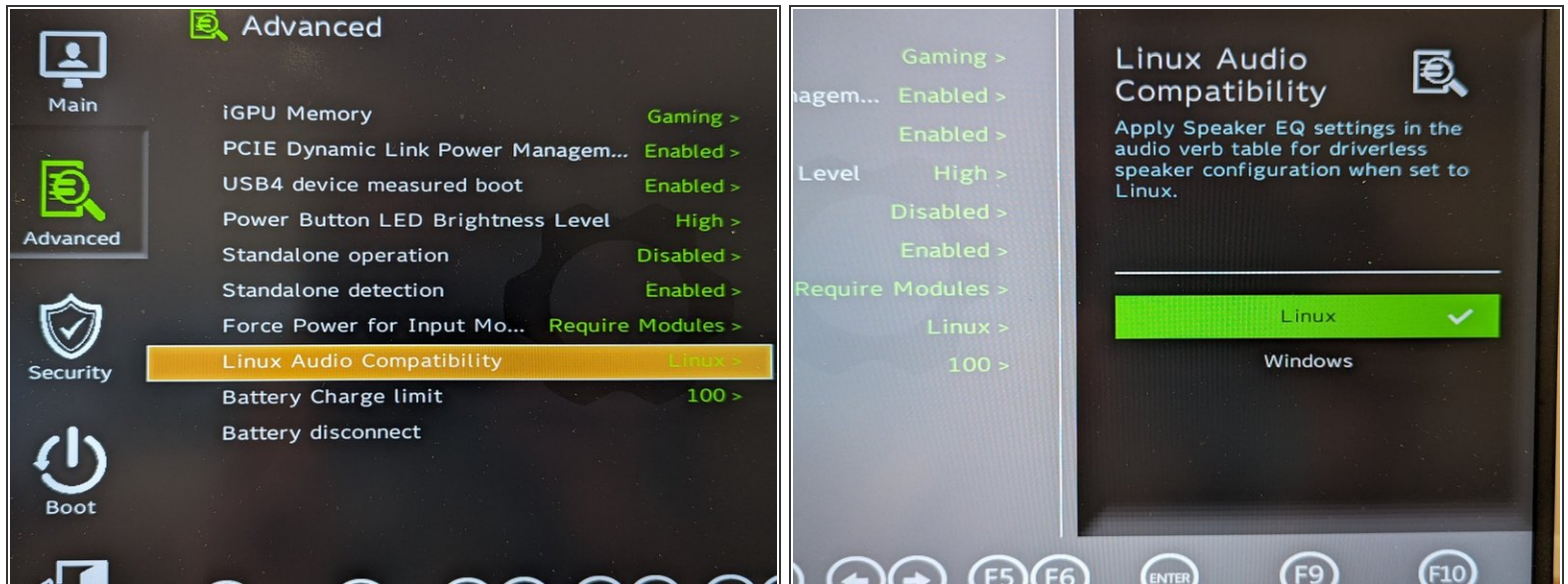
- First, download the latest [Ubuntu 24.04 LTS Desktop image](#) from Ubuntu's website. We'll go through the steps in this Guide assuming you have a simple installation scenario of a fresh install on a blank drive.
- Download [balenaEtcher](#) as a tool to create the USB installer from the ISO. balenaEtcher is available for MacOS. Install it.
- Launch balenaEtcher. Insert your USB drive (8GB or larger). Click on "Flash from file" and select the ubuntu-22.04-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 — (From Windows) Preparing USB Ubuntu Installation Media



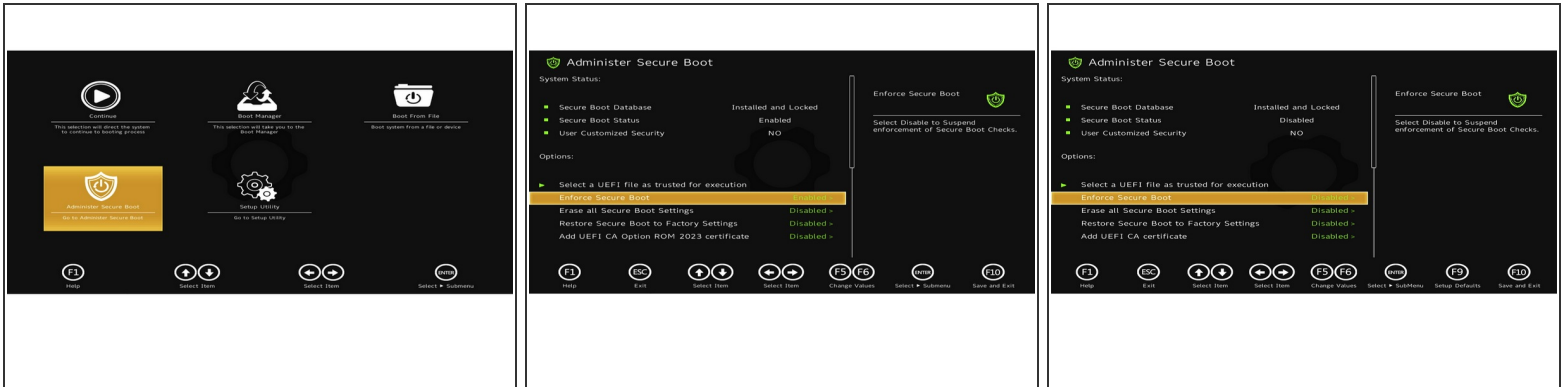
- First, download the latest [Ubuntu 24.04 LTS Desktop image](#) from Ubuntu's website. We'll go through the steps in this Guide assuming you have a simple installation scenario of a fresh install on a blank drive.
- Download [Rufus](#) as a tool to create the USB installer from the ISO - select the top download option from the link provided. Rufus is available for Windows. Install it.
- Launch Rufus. Insert your USB drive (8GB or larger). Click on "Flash from file" and select the ubuntu-24.04-desktop-amd64.iso that you downloaded. Click on "SELECT" and choose your USB drive. Click "START" and wait a minute or two for it to complete.

Step 3 — Linux Audio Compatibility



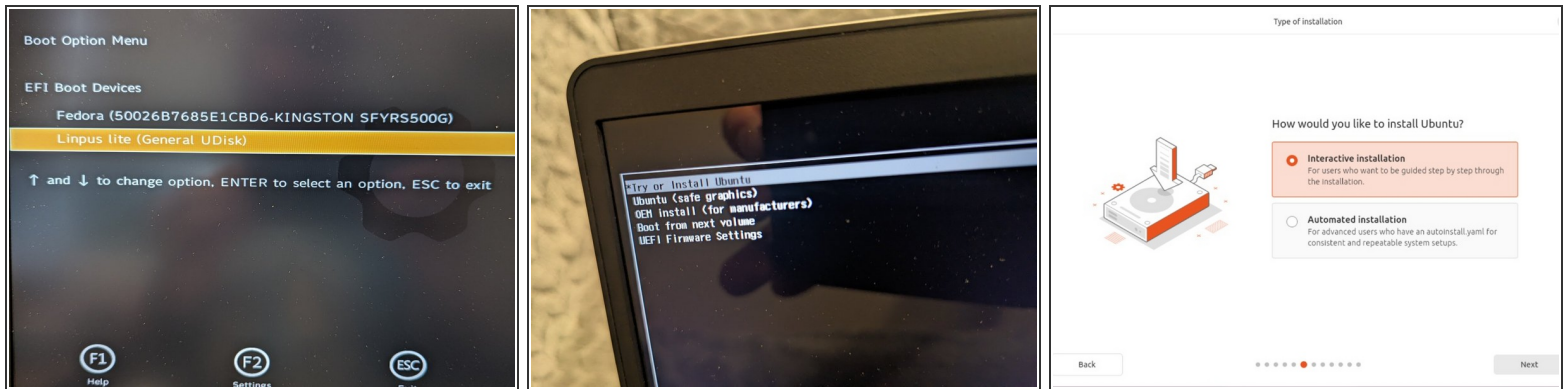
- **Before we begin the installation process** with the Live USB, let's make sure you have your Linux Audio Compatibility set to Linux in the BIOS. Explanation as to what this does can be [found here](#).
- Power on the laptop, repeatedly tapping F2 in order to get into the BIOS. Note: If you're having trouble with this, try again, holding down the Fn key while rapidly tapping F2.
- In BIOS mode, arrow key over to Setup Utility. Press the enter key. Arrow down to Advanced. Then arrow right, then arrow down to Linux Audio Compatibility. Press enter.
- A new box for Linux Audio Compatibility will appear, arrow to Linux, then press enter. Now press F10 key to reboot.
 - ⓘ Now we don't have an OS installed yet. So the reboot won't get us to a running operating system and we fully expect to see an error to this point. Simply press the power button to shutdown.
 - ⓘ The next step is to install Ubuntu LTS at Step 3.

Step 4 — Secure Boot



- ❗ Secure Boot is optional: Enabling secure boot is completely optional and not necessary for normal operation, it's a personal choice - but there are trade offs to be aware of. Follow this link if you wish to enable it before installing Fedora. [More about secure boot here](#).
 - ❗ If you have decided to disable secure boot. You will do so by booting into the BIOS menu:
 - Power on, then tap F2 rapidly at the Framework splash screen
 - Select Administer Secure Boot tile on the screen. Press enter.
 - Go to Enforce Secure Boot, it will show as Enabled. Click the enter key, arrow it to Disabled. Press F10 key to save and reboot.
- ⚠ **IMPORTANT:** If you're planning on booting with Windows at all, do not disable it.
- ☑ Should you wish to enable it later in the future, repeat the above steps but select Enable this time.

Step 5 — Booting to Live Ubuntu USB



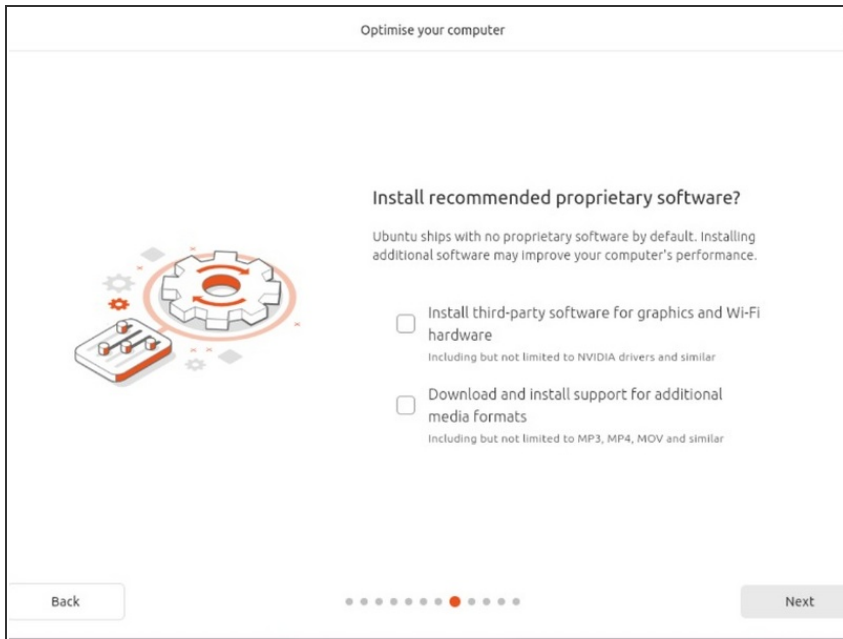
⚠ Once you have reviewed the previous step, continue

- Insert the USB drive into your powered off Framework Laptop 13, and then power on. If you have an existing OS installed on the Storage drive in your laptop, immediately after the power light comes on begin rapidly tapping (continuously) the F12 key - you must begin tapping well before you see the Framework logo.
- Select Linpus lite (General UDisk) with your arrow keys. Enter key.
- Next, you will see a white box with Preparing Ubuntu. From there, you will be presented with the option to select your language.
- Next option is to select your accessibility options. Then keyboard layout and your option for how you wish to connect to the Internet. We recommend you do at this stage.

⚠ Important for non-US keyboard users! Please [open this link in a new tab](#) and read carefully.

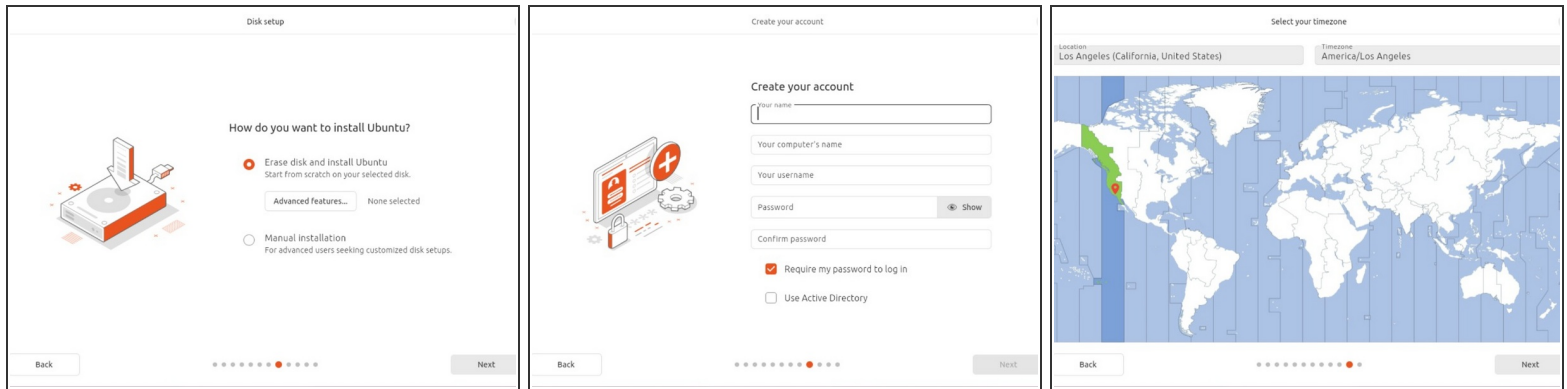
- Soon, you may be asked to "update your installer. Do so if connected to the internet. Close the installer, then open it again from the desktop on the lower right corner.
- Go through the steps you did previously, then select your install type - most people will want interactive.

Step 6 — Installing Ubuntu Part 1



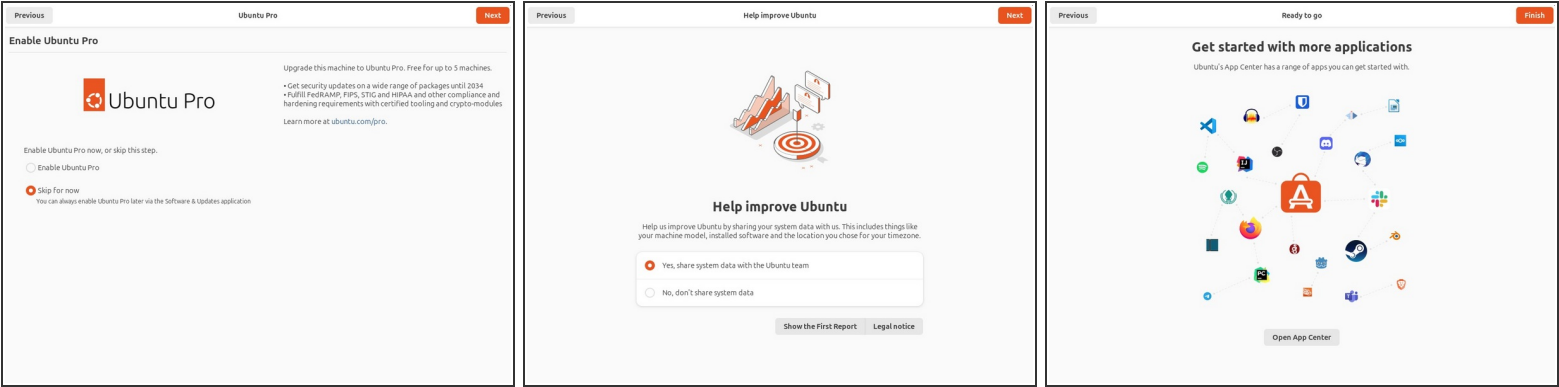
- While connected to your network, select Normal installation, Download updates while installing Ubuntu and Install third party software, then press continue. This process may take a few minutes and appear to idle a bit, then the next screen appears - installation type.

Step 7 — Installing Ubuntu Part 2



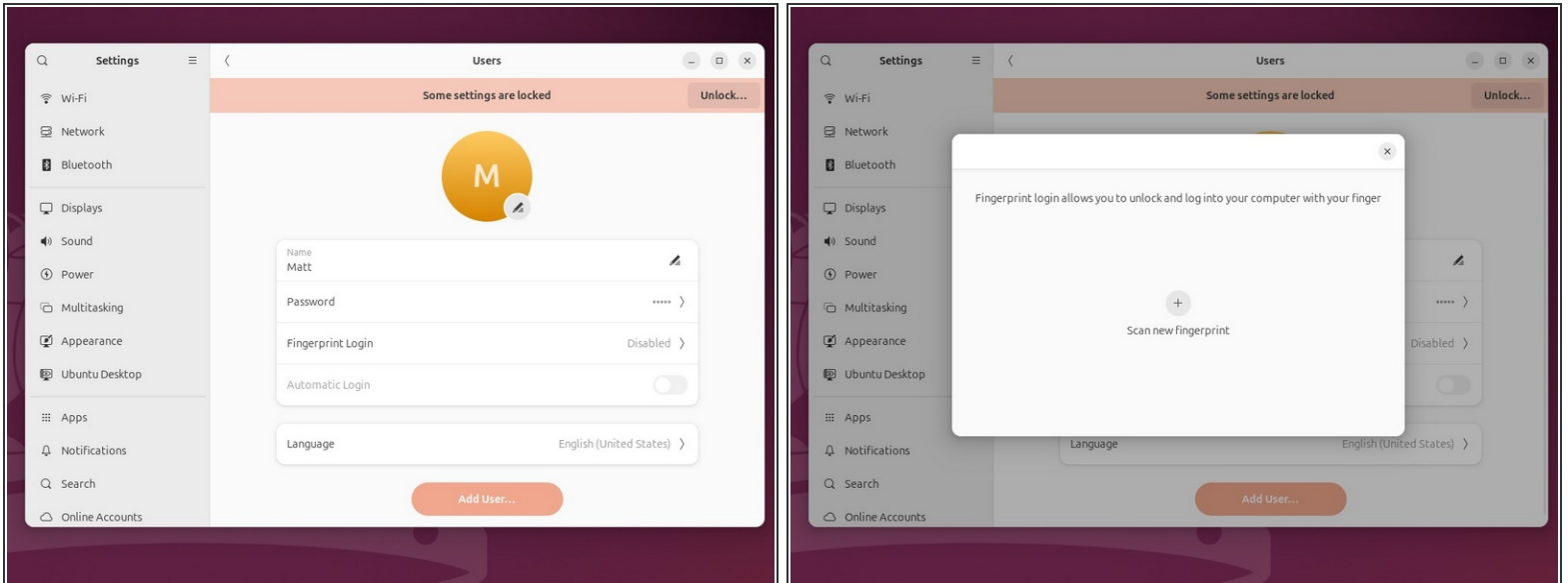
- Next we'll choose the installation type. Erase everything is the correct choice for users with a new Framework Laptop 16 (AMD Ryzen™ 7040 Series) looking to use the entire hard drive for Ubuntu.
- Press Install Now, then when prompted, then click on Continue.
- Next you'll be prompted to choose your location on the world map. Select your time zone location, click Continue.
- Create a username, a computer name (anything will do), and a password to login with. Also make sure you select Require a password to log in. Then press Continue.

Step 8 — Installing Ubuntu Part 3



- Once rebooted, simply follow the prompts for whether or not you are using Ubuntu Pro and if you wish to send back error reports.
- Repeat this process with the other screens as seen in the provided images, while making selections and choices that best match your needs.

Step 9 — Installing Ubuntu Part 6 (Fingerprint Login)



- Let's setup fingerprint login. Click on the horizontal bar in the upper left, search for user.
- Choose Fingerprint Login. Then select Scan new fingerprint. Select your desired fingerprint. Carefully tap your finger tip on the sensor (power button). You may need to try a few attempts as everyone's prints are different.
- Once it's successful, you will see the word Complete.

Step 10 — Completing Setup



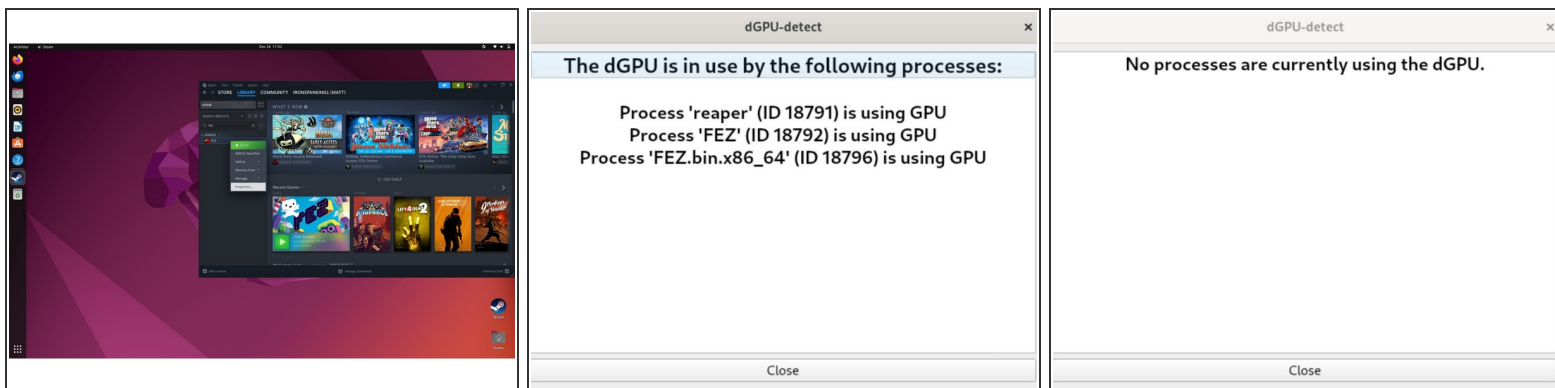
- We're almost done. Please follow the links to your individual Framework Laptop 16.
 - ❗ [Click here](#) for the completion guide for **Framework Laptop 16 (AMD Ryzen™ 7040 Series)**.
- ☑ Our recommendations for [Optimizing Ubuntu Battery Life](#). This includes **important** [expansion card behavior](#).
- ☑ Need richer sound? We have collected suitable [Easy Effects profiles to help](#).

Step 11 — Recommended: Updating to the latest firmware



- Before updating to the latest firmware, let's make sure we verify which BIOS were running. [Please follow this guide](#).
 - ⚠ For Framework Laptop 16 AMD Ryzen 7040 Series, you can [check here](#) for the latest firmware.

Step 12 — Using Discrete Graphics with Steam



✦ If you are looking to run Steam games, please follow our guide links below.

① [One NVMe Drive Guide.](#)

① [Two NVMe Drives Guide.](#)

⚠ If you are unsure if something is using the dGPU, [use this ApplImage program.](#)

① For all other applications, simply run your software with `DRI_PRIME=1` *cheese* (or whatever the application name is).

Step 13 — Troubleshooting Ubuntu 24.04



- Expecting two-finger right clicking and need help? [The touchpad help guide](#) is here.
- 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 16! If you have any questions or run into any issues, we recommend bringing them to the Community in the [Ubuntu 24.04 topic](#). Members of the Framework team participate in discussions there.