



Ubuntu 24.04 LTS Installation on the Framework Laptop 12

How to install Ubuntu 24.04 LTS Linux on a Framework Laptop 12

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INTRODUCTION

Once you have your Framework Laptop 12 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:

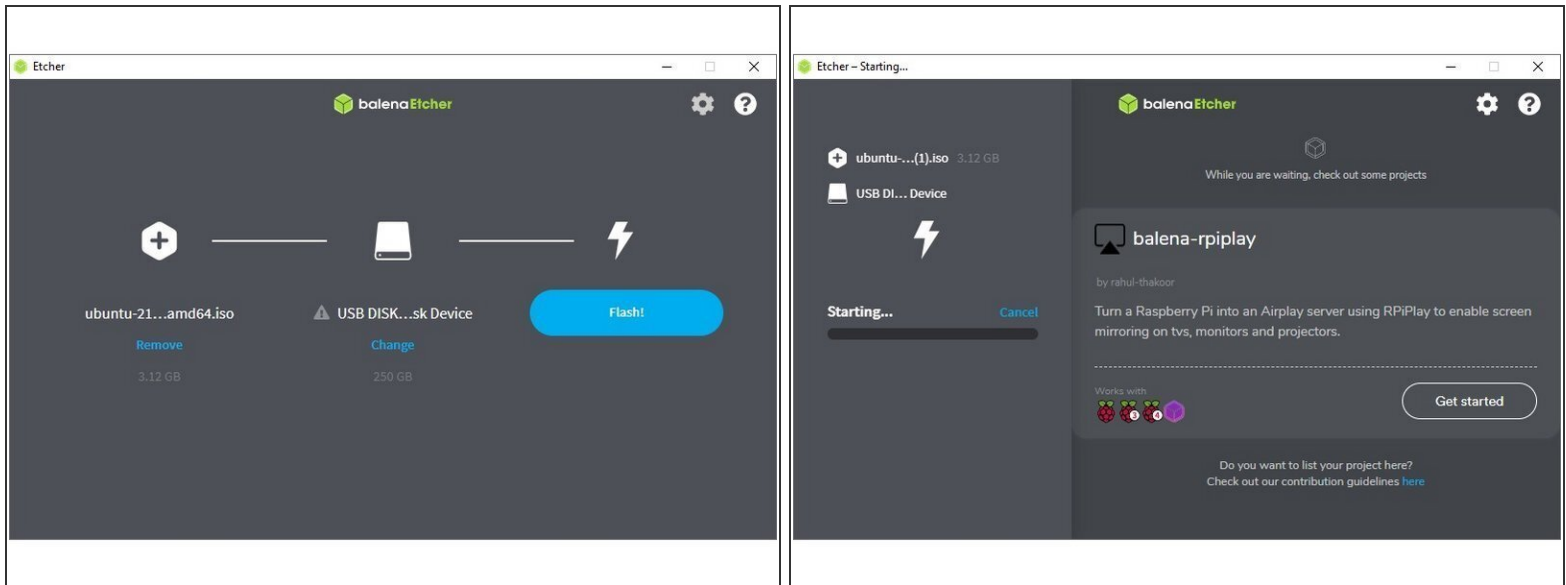
- [Storage Expansion Card](#) (1)
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Step 1 — Ubuntu 24.04 on Framework Laptop 12 (13th Gen Intel® Core™) ONLY



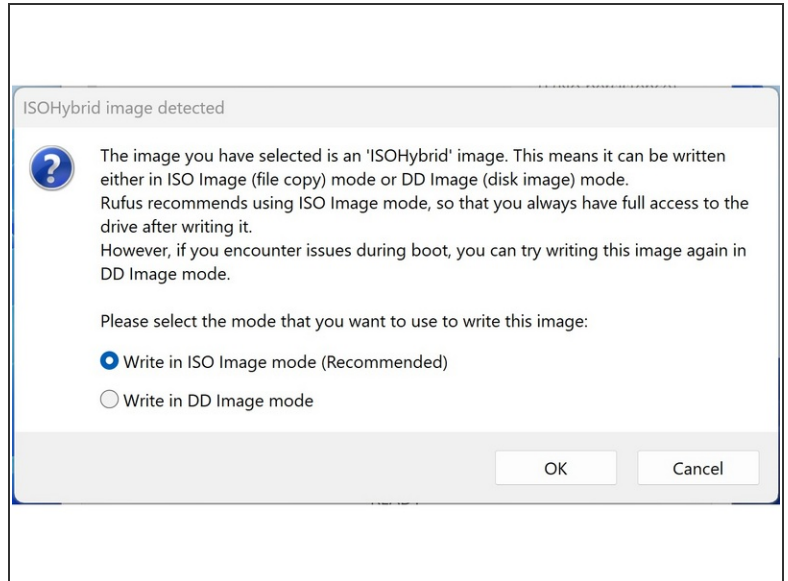
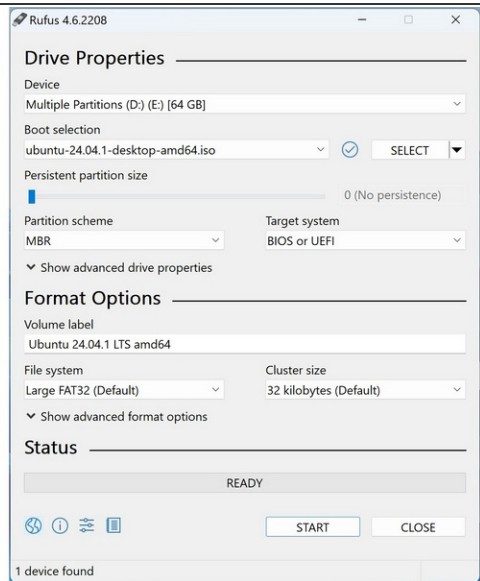
☒ This guide is for Ubuntu 24.04 on Framework Laptop 12 (13th Gen Intel® Core™ only).

Step 2 — (From macOS) Preparing USB Ubuntu Installation Media



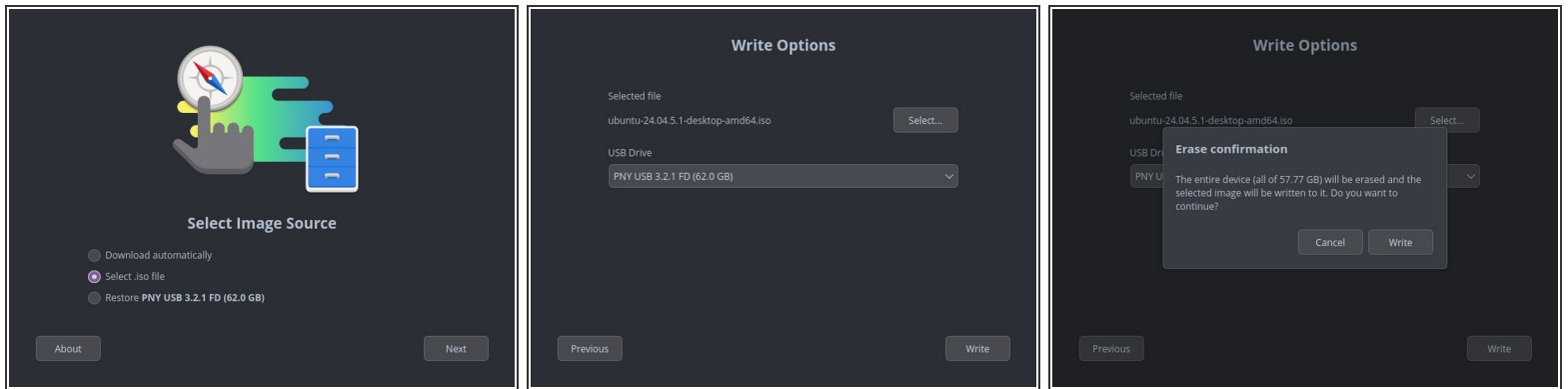
- First, download the latest [Ubuntu 24.04 LTS Desktop image](#) from Ubuntu's website. We'll go through the steps in this Guide assuming you have a simple installation scenario of a fresh install on a blank drive.
⚠ Looking to use tablet mode? You need to [install 25.04 instead](#) and run the steps provided at [step 9](#) for the 25.04 guide.
- Download [balenaEtcher](#) as a tool to create the USB installer from the ISO. balenaEtcher is available for MacOS. Install it.
(i) Before booting to the Live USB drive, [a note about secure boot](#).
- Launch balenaEtcher. 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 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 3 — (From Windows) Preparing USB Ubuntu Installation Media



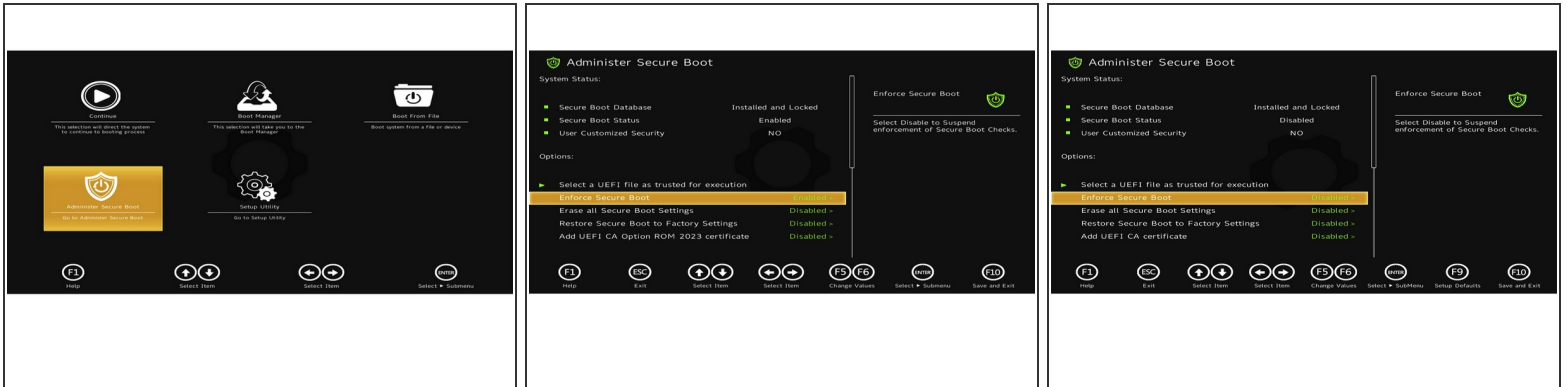
- First, download the latest [Ubuntu 24.04 LTS Desktop image](#) from Ubuntu's website. We'll go through the steps in this Guide assuming you have a simple installation scenario of a fresh install on a blank drive.
 - ⚠ Looking to use tablet mode? You need to [install 25.04 instead](#) and run the steps provided at [step 9](#) for the 25.04 guide.
- 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.
 - ⚠ If you are removing Windows to install Linux, you may run into the "Device is Active" error. [This will provide you with guidance](#) to overcome this error.
 - ℹ Before booting to the Live USB drive, [a note about secure boot](#).
- 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 4 — (From Linux) Preparing USB Ubuntu Installation Media



- First, download [Ubuntu 24.04 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.
- **Fedora:** Media Writer is already installed on Workstation, so just launch it from the app menu. *Meaning, you are creating Ubuntu USB install media, but creating the media from a Fedora installation elsewhere.*
- **Other distro, Flatpak installed:** Run `flatpak install flathub org.fedoraproject.MediaWriter`, then launch it from the app menu or with `flatpak run org.fedoraproject.MediaWriter`.
- **Other distro, no Flatpak** (like Ubuntu being used for USB media creation): Install Flatpak and add Flathub per <https://flathub.org/setup>
- Insert an 8 GB+ USB key. Back up its contents first, since this erases the entire drive.
- Open Fedora Media Writer, choose **Select .iso file**, and pick the Ubuntu 26.04 Desktop ISO you downloaded.
- Select your USB drive from the device list, double-checking the name and size so you don't wipe the wrong disk.
- **Click Write**, enter your password if prompted, wait for it to finish, then **click Finish** and safely eject the USB.

Step 5 — 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.

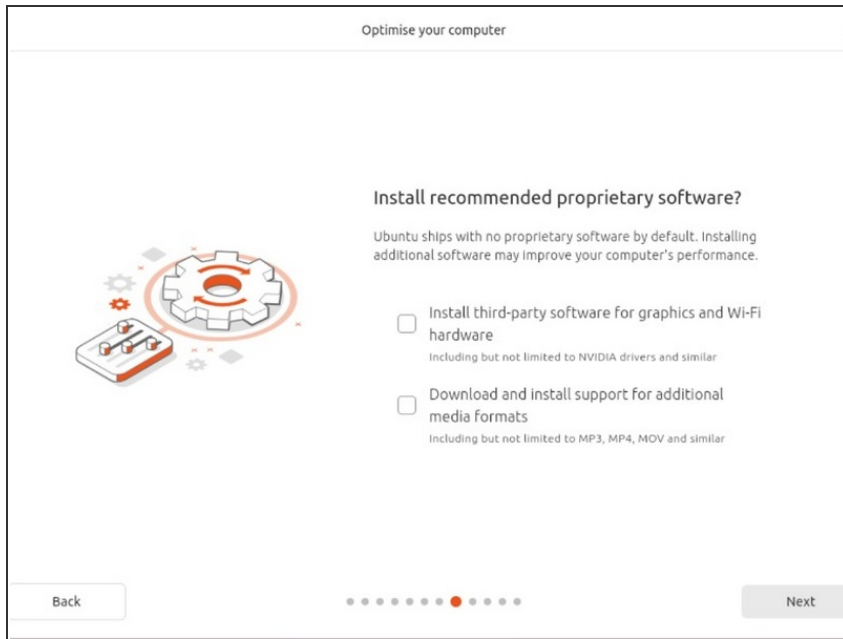
Step 6 — Booting to Live Ubuntu USB



⚠ Once you have reviewed the previous step, continue

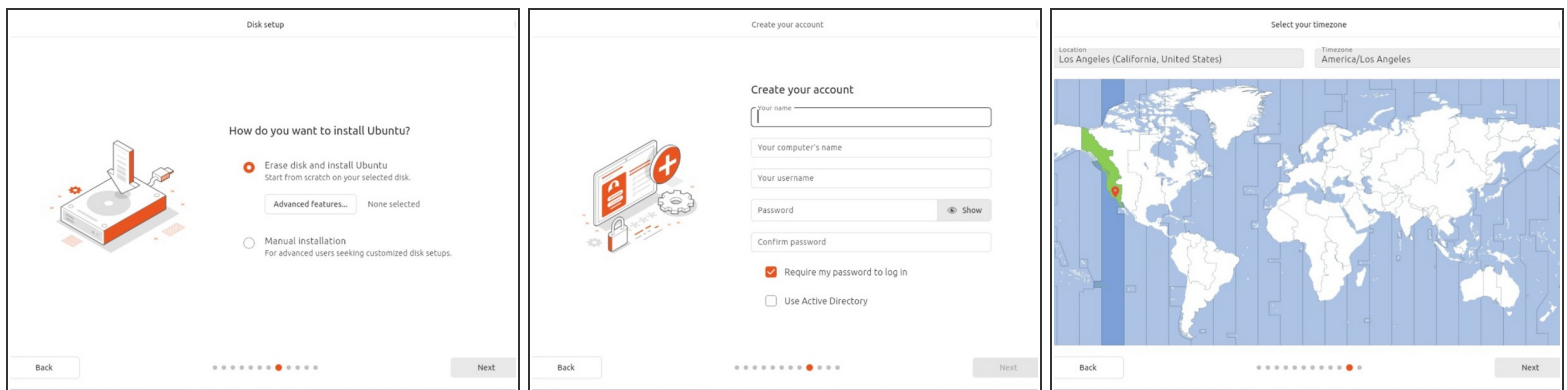
- Insert the USB drive into your powered off Framework Laptop 12, and then power on. If you have an existing OS installed on the Storage drive in your laptop, immediately after the power light comes on begin rapidly tapping (continuously) the F12 key - you must begin tapping well before you see the Framework 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.
- 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 7 — 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 8 — Installing Ubuntu Part 2



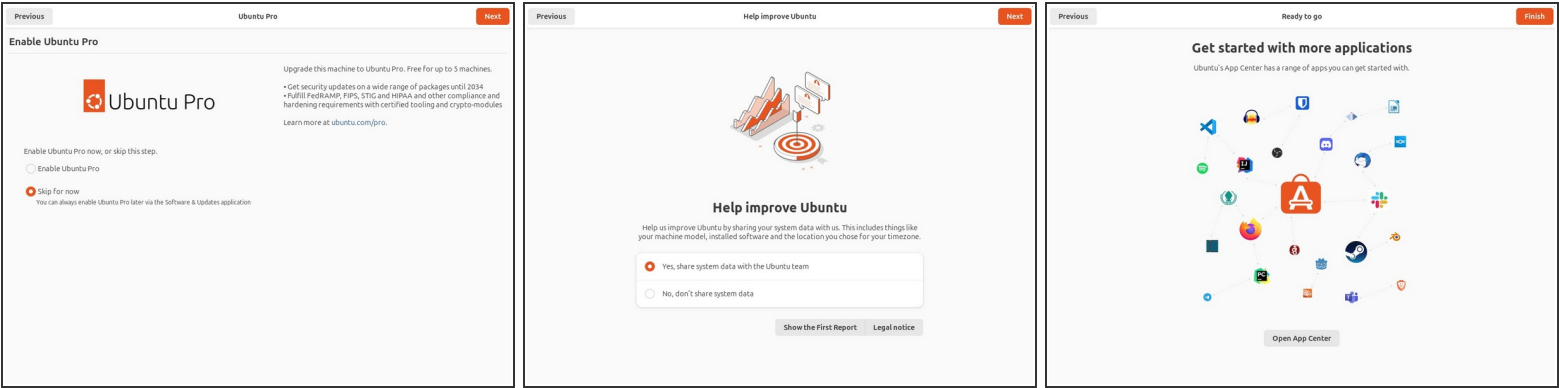
- Next we'll choose the installation type. Erase everything is the correct choice for users with a new DIY Framework Laptop 12 looking to use the entire hard drive for Ubuntu.
- Press Install Now, then when prompted, then click on Continue.
- Next you'll be prompted to choose your location on the world 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 9 — Installing Ubuntu Part 3



- Once the Ubuntu installer is completely done, you will see a box indicating that it's complete and time to reboot. Click Continue testing if you prefer or if you're comfortable and done testing, click the Reboot Now button.
- After pressing the Restart Now button, it will sit at a black screen for a bit, then you will be prompted to "Remove the installation Medium, then press Enter."

Step 10 — Installing Ubuntu Part 4



- 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 11 — Completing Setup



- We're almost done. Please follow the link below for your Framework Laptop 12.
 - ⓘ [Click here](#) for the completion guide for Framework Laptop 12.
- ★ Our recommendations for [Optimizing Ubuntu Battery Life](#). This includes **important** [expansion card behavior](#).

Step 12 — Recommended: Updating to the latest firmware



- How to check the BIOS version. Go to and click upper left corner where you see the horizontal line, search terminal and launch it. Please [follow this link](#) to copy and paste the code into your terminal, then press enter.
 - The output will tell you which Framework Laptop 12 you have and also which BIOS version you're using.
- ⚠ Framework Laptop 12 BIOS and Driver Releases (13th Gen Intel Core), [click here for the latest firmware](#).
- ⚠ **IMPORTANT:** Per the instructions above, we do NOT recommend updating BIOS and firmware using various GUIs. We recommend using fwupdmgr as provided in the step above. Using GUIs can potentially create issues that would not be present using fwupdmgr directly.

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 12! 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.