



Framework Laptop DIY Edition Quick Start Guide

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INTRODUCTION

How exciting, you finally got your hands on the Framework Laptop DIY Edition! This guide will walk you through each step from unboxing to powering on your laptop so you can start using it right away. As with all our guides, make sure you read the directions in each step and view the images first.

If you have any questions or concerns let us know at support@frame.work



TOOLS:

- [Framework Screwdriver](#) (1)
-

Step 1 — Remove the Framework Laptop from the box



- Unbox your Framework Laptop. You should not power it on at this time.

Step 2 — Get your Framework Screwdriver ready for use



- Locate the Framework Screwdriver in the package underneath the Framework Laptop and keep it handy - it's the only tool you'll need to assemble the Framework Laptop DIY Edition.

Step 3 — Unpack the components



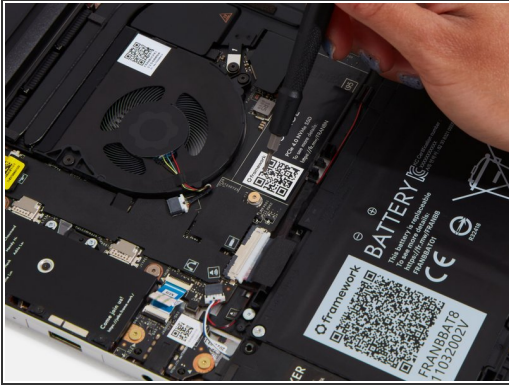
- Depending on how you customized the configuration, your package may include a combination of memory, storage, a WiFi card, and a mix of Expansion Cards. You can find all your components in the box under the laptop box.
- Unpack all of these components so that you are ready for your install!

Step 4 — Remove the Input Cover



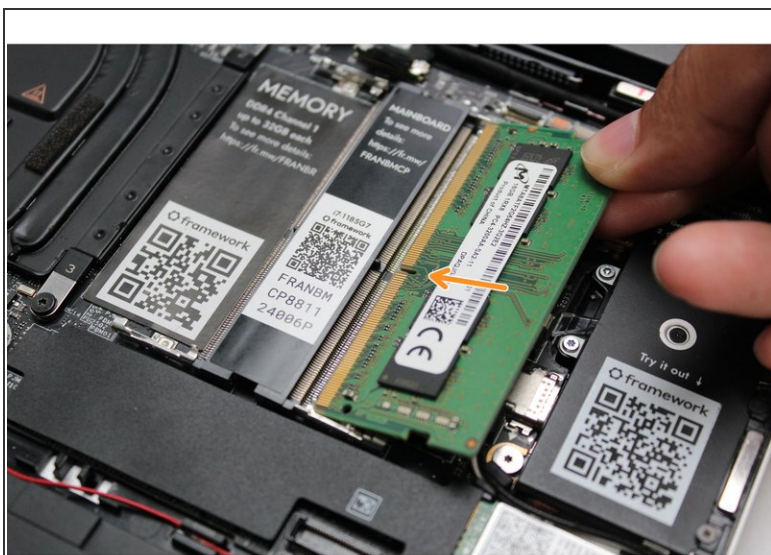
- Using the T5 bit in the Framework Screwdriver, unscrew the 5 fasteners on the Bottom Cover. These Fasteners will remain attached in the Bottom Cover so that you do not lose them.
 - Turn the Framework Laptop over and open it to 120 degrees
 - The bottom right corner of the Input Cover lifts up when the five fasteners are properly unscrewed from the previous step. You should not have to use any excessive force to remove the Input Cover.
 - Carefully lift the cover up from the bottom right corner. If you need to, you can use the spudger end of the Framework Screwdriver to lift it as well. Lift the Input Cover off the Mainboard and flip it over (keyboard side down) and place it about halfway on the Bottom Cover.
- ⚠ Important: Do not pull the Input Cover fast or with too much force as it is still attached to the Mainboard via the Touchpad Cable.

Step 5 — Install the Storage



- Install the storage by unscrewing the fastener using the T5 bit in the Framework Screwdriver and inserting the storage card into the slot.
 - Align the notch on the Storage module with the notch on the socket and slide the module into the Mainboard.
 - Once properly inserted the module will rise up at a 20-degree angle.
 - Using one finger gently hold the Storage module down to the Mainboard and use your other hand to screw in the fastener using the T5 bit in the Framework Screwdriver.
- ⚠ Be sure to not over-tighten the fastener.

Step 6 — Install the Memory



- Insert the Memory module into the Mainboard by aligning the notch on the Memory module with the notch on the socket.
- Once the module is fully inserted, it will rise up at a 20-degree angle. Gently press it down towards the Mainboard until the clips located at the top and bottom of the receptacle snap into place (see the red arrows in the third image).
- ① Note: If you are using one Memory module, place it in the right socket that is labelled “Channel 0.”
- ① Note: The first boot after installing a new Memory module will take longer than normal, as the system prepares itself for the new module.

Step 7 — Prepare the WiFi module



- Unscrew the fastener using the T5 bit in your Framework Screwdriver, and remove and save the silver-colored WiFi Bracket that is holding down the cables.
- Remove the plastic covers from the antenna cables, and carefully connect the black and white WiFi antenna cables into their respective sockets on the module. Make sure to align them well before applying force to click them into place, as the connectors are small and fragile.
- Once both the black and white WiFi Antenna cables are connected to the module, make sure they are rotated downwards as indicated in the second picture with the blue arrows.
- Insert the WiFi module into the Mainboard by aligning the notch on the module with the notch on the socket.

Step 8 — Complete the WiFi module install



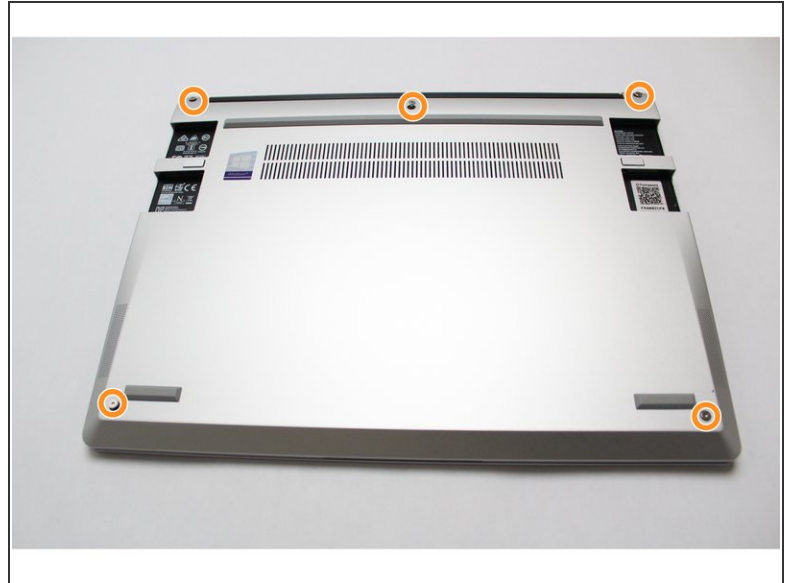
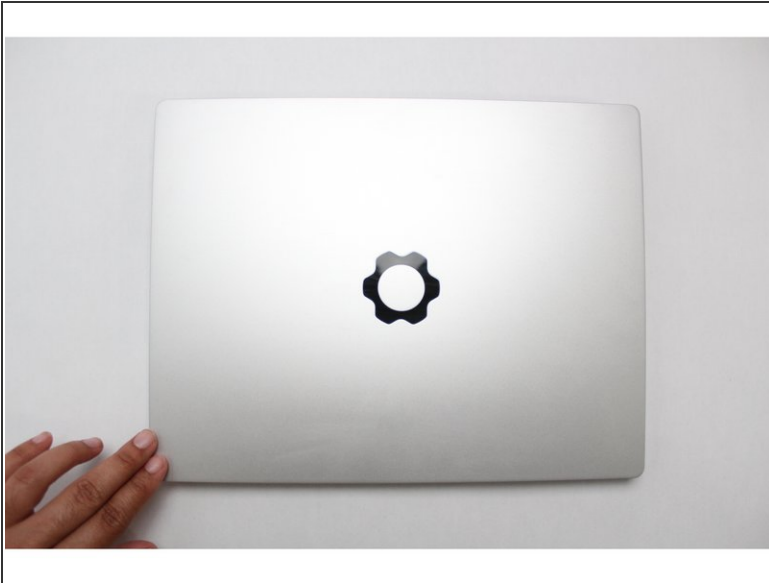
- Once the module is properly inserted into the Mainboard, carefully route both the black and white WiFi Antenna cables into the black rubber routers as indicated in the first image. Place both the cables behind the metal structure located near the top right of the WiFi module as well.
- ⚠ Important: The WiFi Antenna cables should not touch the Speaker located below the module as indicated in image one.
- Place the WiFi Bracket over the WiFi module, matching the orientation that is shown in the image, and place the fastener in the hole. Using the T5 bit in the Framework Screwdriver, screw the fastener into place.
- ⚠ Be sure to not over-tighten the fastener.

Step 9 — Connect the Input Cover back on



- Flip the Input Cover over the Bottom Cover so that the keyboard is facing up and attach it to the Bottom Cover by aligning the top and bottom edges of both covers.
- Tip: The covers are magnetic and should fit into one another easily. If you feel any resistance simply lift the Input Cover up and try again.

Step 10 — Screw the fasteners back into place



- Close the Framework Laptop and turn it upside down to reveal the empty Expansion Card bays and fasteners on the Bottom Cover.
 - Using the T5 bit in the Framework Screwdriver, screw all 5 fasteners back into the Bottom Cover.
- ⚠ Be sure to not over-tighten the fasteners

Step 11 — Get ready to turn on the Framework Laptop!



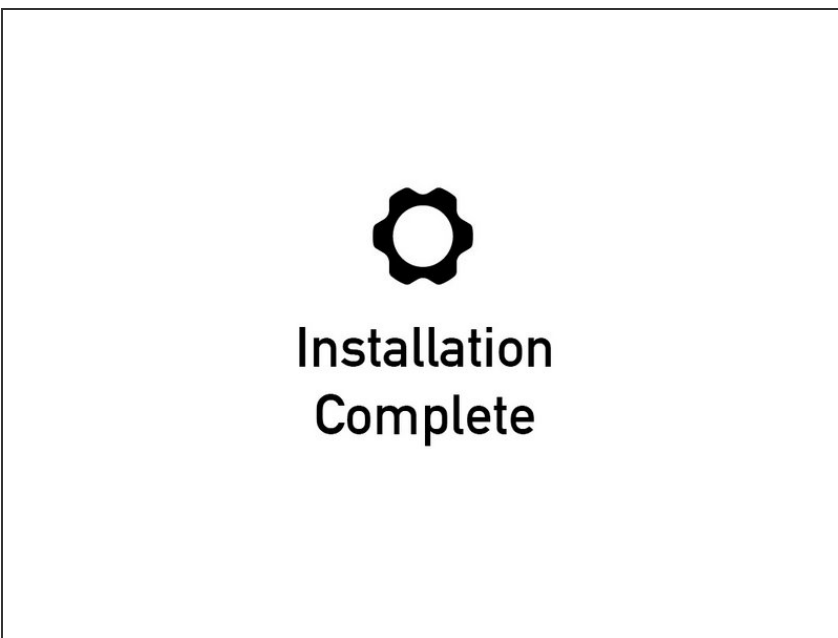
- Insert the Expansion Cards of your choice into any of the empty bays.
- The text, logo, and QR code on the Expansion Card must be facing down (facing the laptop). Slide the Expansion card into the bay. Using two or more fingers push the card until it clicks.
- ⚠ Important: You will have to use a slight amount of force to ensure proper installation of the Expansion Cards.
- Plug in the charger into the USB-C Expansion Card.
- Turn the Framework Laptop over, open it, and press the power button.

Step 12 — Install an Operating System



- [Find the instructions for installing Windows 10 here](#)
- Instructions for Linux (Fedora 34 and Ubuntu 21.04) coming soon!

Step 13 — You are all set!



- Visit our support site and Knowledge Base:
<https://frame.work/support>
- To purchase a Framework Laptop visit <https://frame.work>
- Want to learn more about Framework? Take a look at our blog: <https://frame.work/blog>
- Need help? Send your questions to support@frame.work