

How to install your Crucial P310 in a handheld gaming console



Installation guide for your new Crucial NVMe™ SSD (2230 form factor)

Welcome to our installation guide for installing your new Crucial NVMe SSD. We'll guide you through the process of installing your P310 in your handheld gaming device step by step. You don't need any special skills or unusual tools. Let's get started!

Important pre-installation warning!

Static electricity can damage the components in your system, including your new Crucial SSD. To protect all your system components from static damage during installation, ground yourself by touching unpainted metal or consider wearing an anti-static wrist strap during installation. You can also ground your work surface with an anti-static mat. These methods will safely discharge static electricity that naturally exists in your body. Your accessories and carpeting can also carry static electricity, so we also recommend wearing rubber-soled shoes, removing hand jewelry, and installing your storage in a space with hard floors. To protect your SSD, avoid touching the gold pins or components (chips) on the module. It's best to hold it carefully by the top or side edges.

Steam Deck installation instructions (LCD version)

For the OLED version, please visit Valve's website, or consider these installation instructions from iFixit:

<https://www.ifixit.com/Guide/Steam+Deck+OLED+SSD+Replacement/168255>



Step 1 - Prepare your workspace

- Clear off a table or countertop to help prevent the buildup of static electricity that could damage your new SSD. Check out these [electrostatic discharge tips](#).
- Let your handheld's battery life drop below 25% before installing. Set to battery storage mode in the BIOS (which should be updated to the latest version).
- Power down your handheld and unplug any cables.
- Remove any microSD cards.
- Next, gather your supplies. You'll need your Steam Deck, your owner's manual, tweezers, a screwdriver, opening pick (a guitar pick would work), and your new Crucial P310 NVMe SSD.

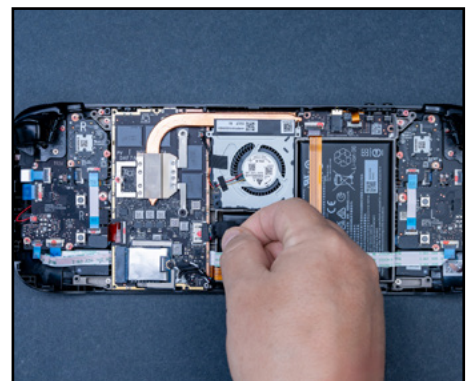
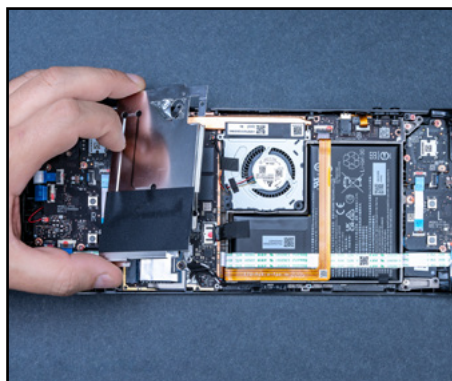
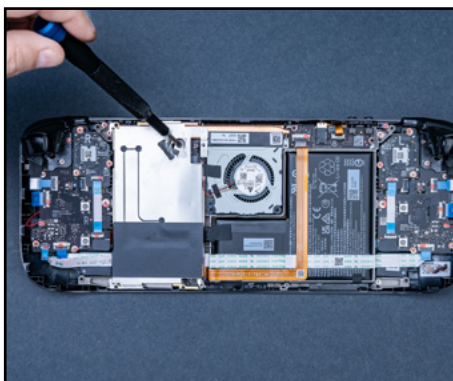
Step 2 – Back up important files

- Unless you are installing your NVMe SSD in a new handheld, you will need to save any important files on an external storage drive or cloud storage service before installation. Refer to Step 7 for additional support on how to reimage SteamOS once installed.
- Consider reviewing Crucial's article about moving Steam games to another drive, [iFixit's guide](#), or [Valve's website](#) for additional guidance.



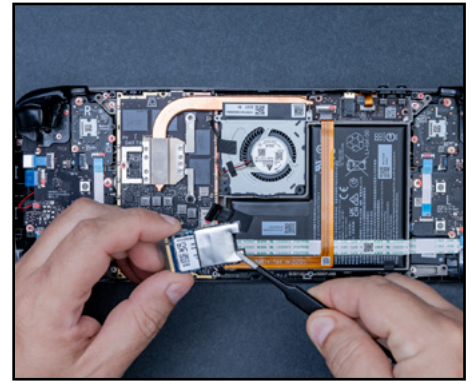
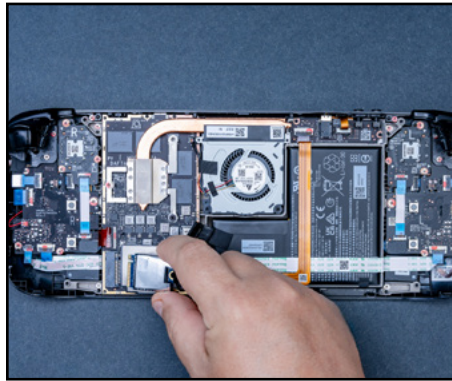
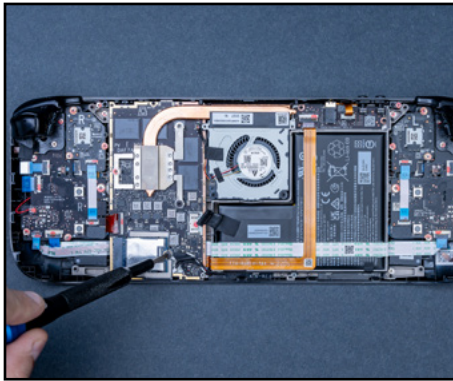
Step 3 – Open your handheld device

- Shut down your system by turning it off and removing the power cable.
- Use a screwdriver to remove all eight screws from the back.
- Keep track of each screw so that you know where each one came from. A pill case or ice cube tray is great for this.
- Insert your opening pick at the grip seam to remove the back shell and release it from the locking clips. Pull away to unlock the rest and detach the back.



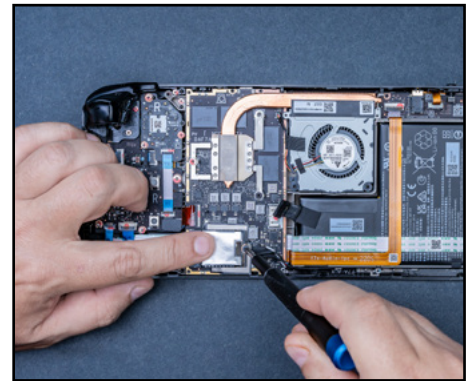
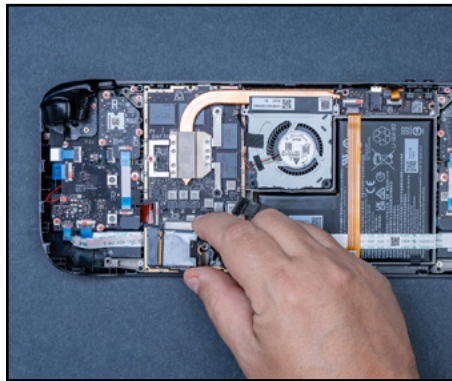
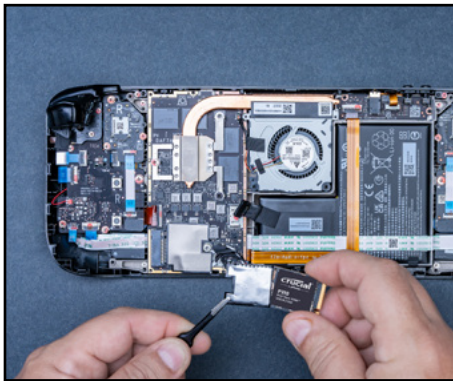
Step 4 – Prepare the back

- Depending on what Steam Deck version you own, use a pair of tweezers to gently remove the foil tape on the board shield covering a hidden screw.
- Unscrew the three screws holding the board shield in place and remove.
- Disconnect the battery by tugging the pull-tab battery cable from the motherboard.



Step 5 – Remove the SSD

- Remove the screw that's holding the current SSD in place.
- The SSD should pop out with ease after removing the previous SSD shield screw. Pull it away from the M.2 board connector.
- Using your tweezers, remove the ESD (electrostatic discharge) shielding off the SSD. You'll reuse this on your new Crucial SSD.



Step 6 – Insert the Crucial SSD

- Once the shield has been wrapped around your new SSD, carefully hold the SSD by the edges and slowly insert it at a 30-degree angle. Do not force the connection.
- Lower the SSD into place and screw in the piece holding it in place, but not too tight.
- Plug the battery back in and continue attaching the necessary pieces in reverse of these instructions to close your device.



Step 7 – Install SteamOS

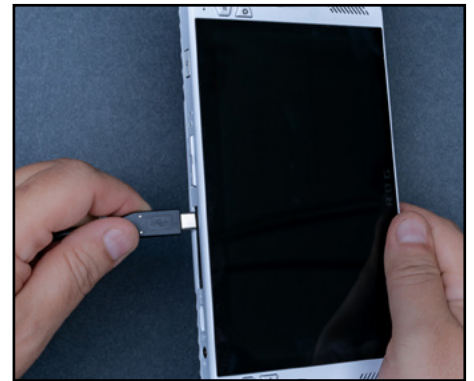
- Review Steam's instructions for installing and customizing SteamOS [here](#).
- You'll want a USB drive with a recovery image ready. Download the [recovery image here](#).

Congrats, now you've got plenty of storage for your games!

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ROG Ally installation instructions



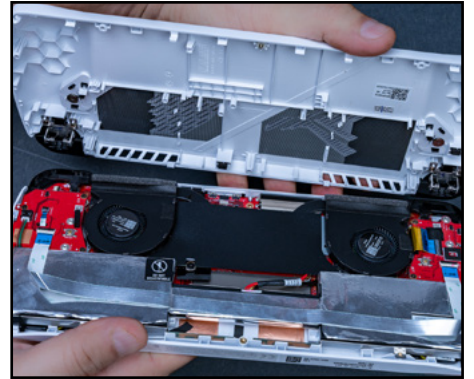
Step 1 – Prepare your workspace

- Clear off a table or countertop to help prevent the buildup of static electricity that could damage your new SSD. Check out these [electrostatic discharge tips](#).
- Let your handheld's battery life drop below 25% before installing.
- Power down your Ally and unplug any cables.
- Remove any microSD cards.
- Next, gather your supplies. You'll need your Ally gaming device, your owner's manual, a screwdriver, opening pick (a guitar pick would work), and your new Crucial NVMe SSD.

Step 2 – Back up important files

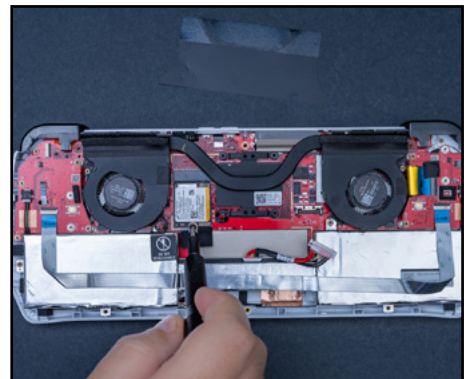
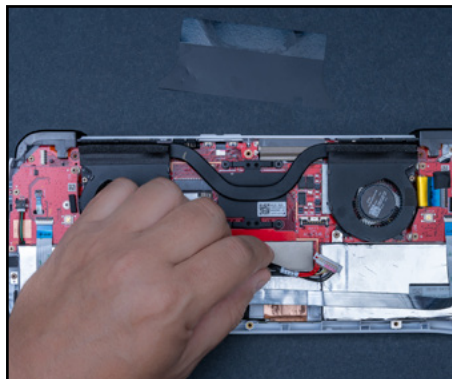
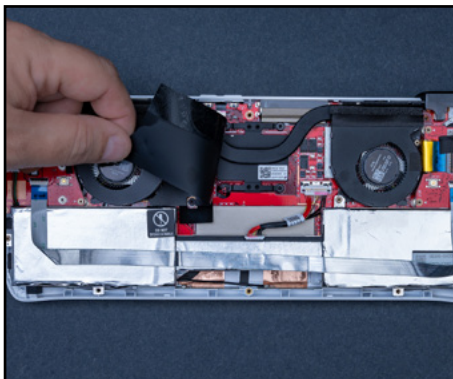
- Unless you are installing your NVMe SSD in a new handheld, you will need to save any important files on an external storage drive or cloud storage service before installation.

Consider cloning your ROG Ally SSD to your new Crucial SSD with an enclosure adapter. Refer to [ROG](#) for additional guidance, or [iFixit's guide](#).



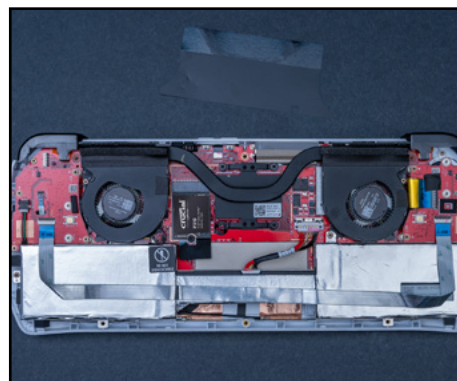
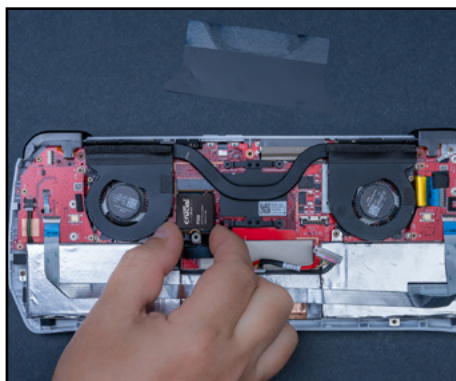
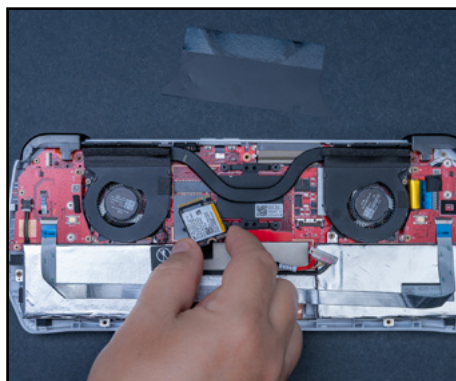
Step 3 – Open your handheld device

- Shut down your system by turning it off and removing the power cable.
- Use a screwdriver to remove all six screws from the back. The bottom middle screw won't release fully, but once loose, the back should still detach with the screw still attached.
- Keep track of each screw so that you know where each one came from. A pill case or ice cube tray is great for this.
- Insert your opening pick at the grip seam if the back panel isn't popping open.



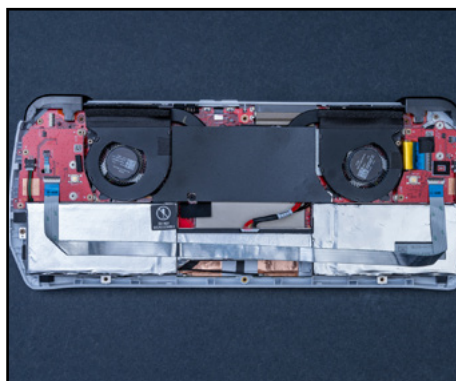
Step 4 – Prepare the back

- Lift the black flap next to the fans to disconnect the battery. Using your pick, slide the metal clip back so that you can pull the battery connector up and out.
- Once unplugged, remove the screw that's holding the current SSD in place.



Step 5 – Insert the Crucial SSD

- Gently remove the SSD and slide in your new Crucial SSD and secure with the same screw.
- Plug the battery back in, and carefully close your device, ensuring everything is snapped and screwed back into place.



Step 6 – Boot the BIOS

- Plug your Ally into a power outlet and hold the volume down button while pressing the power button to turn it on.
- Once you see the BIOS menu, press Y and shift to the advanced tab to select ASUS Cloud Recovery using button A.

Be sure you're connected to Wi-Fi and be patient while your device reboots.

Congrats, now you've got plenty of storage for your games!

If you are still having issues, please visit our website www.crucial.com/support/contact to contact Crucial Customer Service for assistance.

Enjoy your new
Crucial NVMe™ SSD