

Table of Contents

1. Introduction	3
Step 1 - Introduction	4
Step 2 - How to navigate through the manual	4
Step 3 - View high resolution images	5
Step 4 - Tools included in the package	5
Step 5 - Prusa Cheatsheet	6
Step 6 - Let's get everything set up!	6
2. Unpacking the printer	7
Step 1 - Preparing the package	8
Step 2 - Removing the box	8
Step 3 - Removing the cardboard layer	9
Step 4 - Anti-vibration feet: parts preparation	9
Step 5 - Sticking the anti-vibration feet	10
Step 6 - Removing the inside protections	10
Step 7 - Preparing the Tool pack	11
3. Mounting the xLCD	12
Step 1 - Tools necessary for this chapter	13
Step 2 - Removing the bezel	13
Step 3 - xLCD assembly: parts preparation	14
Step 4 - Connecting the xLCD assembly	14
Step 5 - Mounting the xLCD	15
Step 6 - Attaching the display assembly	16
Step 7 - Peeling off the protectives	16
4. Calibration & First run	17
Step 1 - Print sheet and spool holder	18
Step 2 - Firmware update	18
Step 3 - Turning it ON	19
Step 4 - Setting up the printer: Intro	19
Step 5 - Setting up the printer: Network setup	20
Step 6 - Wizard: Intro	21
Step 7 - Wizard: Loadcell Test	22
Step 8 - Wizard: Gearbox Alignment	22
Step 9 - Wizard - Filament Sensor Calibration	23
Step 10 - Wizard complete	23
Step 11 - Handbook	24
Step 12 - Prusa knowledge base	24
Step 13 - Join Printables!	24
Manual changelog	25
Step 1 - Version history	26

1. Introduction

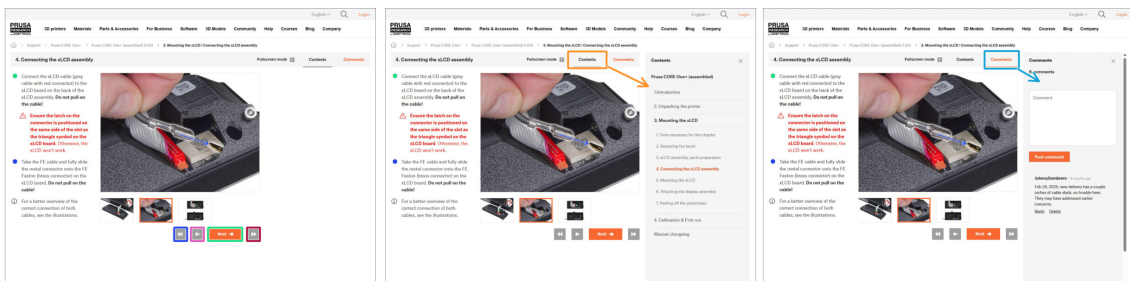


STEP 1 Introduction



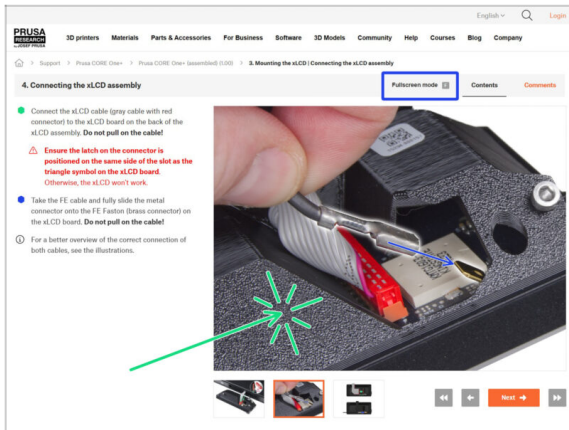
-  Welcome to the guide for unboxing, calibrating, and setting up your **Prusa CORE One+**. Follow these steps to ensure your printer is ready for its first print.
-  Although the Prusa CORE One+ comes pre-assembled, the LCD must be installed before printing, as it is removed for transport protection.
-  **Do not install the LCD at this moment; wait for the appropriate instructions later in the guide.**
-  We recommend keeping all the packaging material in case you decide to send the printer for service.

STEP 2 How to navigate through the manual



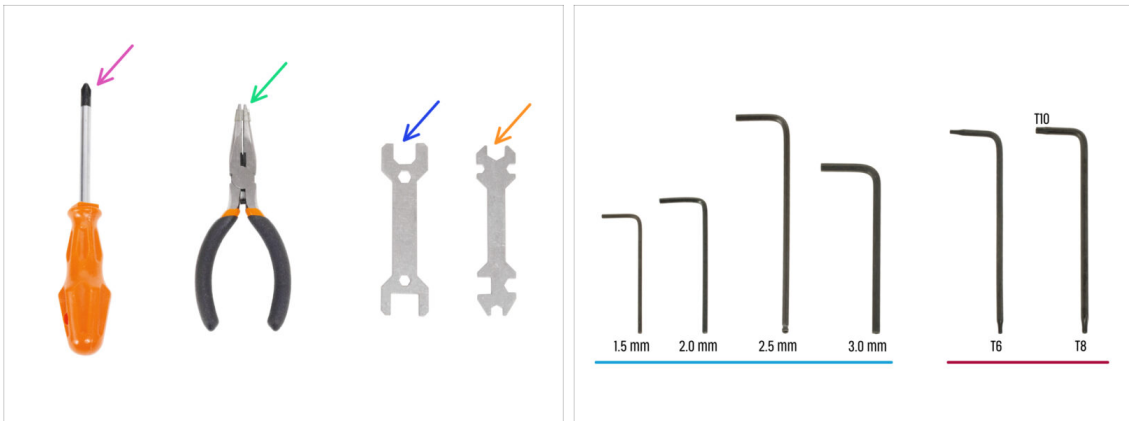
-  Use the graphical navigation buttons in the bottom right corner or the arrow keys on your keyboard:
 -  **Next button / Right arrow key** - Moves to the next image, or to the next step if it's the last image in the step.
 -  **Left arrow button / Left arrow key** - Moves to the previous image, or to the previous step if it's the first image in the step.
 -  **Play backward button / Up arrow key** - Moves to the previous step.
 -  **Play forward (Next) button / Down arrow key** - Moves to the next step.
 -  Click on **Contents** to expand the full list of steps in this guide. This allows you to jump to any step regardless of the sequence.
 -  Click on **Comments** to open the discussion for a specific step and leave your feedback.

STEP 3 View high resolution images



- When you browse the guide on help.prusa3d.com, you can view the original images in high resolution for clarity.
- Just click on the image to open it in high resolution for a detailed view.
- Click on **Fullscreen mode** or press the F key to maximize your screen space and focus entirely on the instructions.

STEP 4 Tools included in the package



- Your Prusa CORE One+ package includes all the tools for printer operation and maintenance:
 - Phillips (PH2) screwdriver (1x)
 - Needle-nose pliers (1x)
 - Wrench size 13 mm (1x)
 - Universal wrench (1x)
 - Allen key set 1.5 mm - 3.0 mm
 - Torx key set T6 - T10
- You will come across the tool pack during unpacking the printer, we will let you know.
- For this guide, you will only need the 2.5 mm Allen key.

STEP 5 Prusa Cheatsheet



- If you're unsure whether you're using the correct screw type or size, our cheatsheet will help you. Print it at a 1:1 scale and place the fastener on the corresponding drawing to compare its type and size.

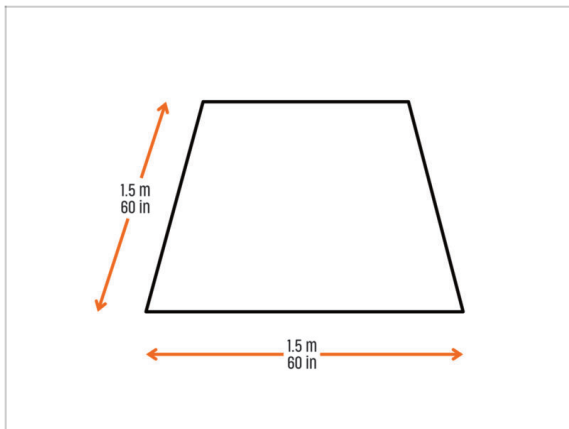


You can download the cheatsheet on prusa.io/core-one-cheatsheet.



This guide doesn't involve screws or nuts, but this option may be useful for future maintenance.

STEP 6 Let's get everything set up!



CAUTION: The package is heavy—handle it with care!

- Make sure you have enough space to prepare the printer. **A clean space is essential.**
- **i** A minimum of 1.5 x 1.5 meters (60 x 60 inches) is recommended.
- Bring your family, friends, or pets—this will be engaging!
- Continue to the next chapter: **2. Unpacking the printer.**

2. Unpacking the printer



STEP 1 Preparing the package

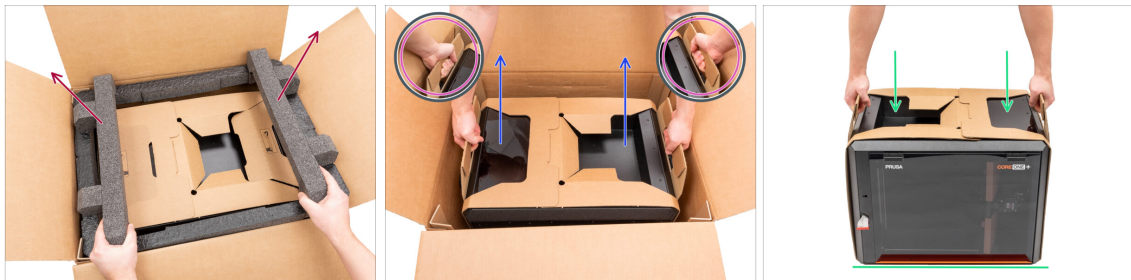


 **CAUTION: The package is heavy—handle it with care!**

 The package fixations and foam inserts may vary.

- Open the package. On the top layer, you will find:
 - Print sheet
 - USB drive
 - Power cord
 - Anti-vibration bars
- Remove these items from the package and place them in a safe spot for later use.
- Remove the cardboard protection layer.
- Take out the Prusament cardboard box and set it aside.

STEP 2 Removing the box



- Remove top foam fixation.
- Notice the two cutouts (handles) on both sides of the cardboard layer. Bend them downward.

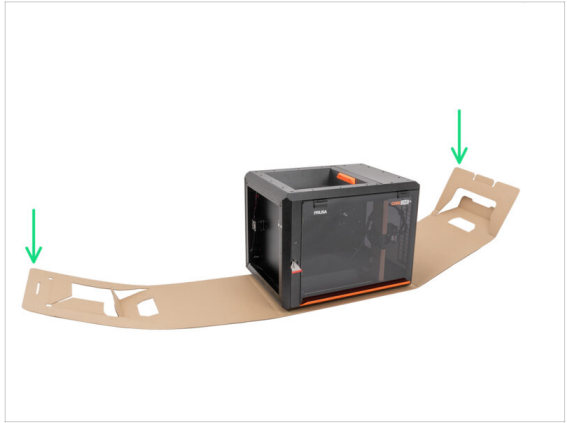
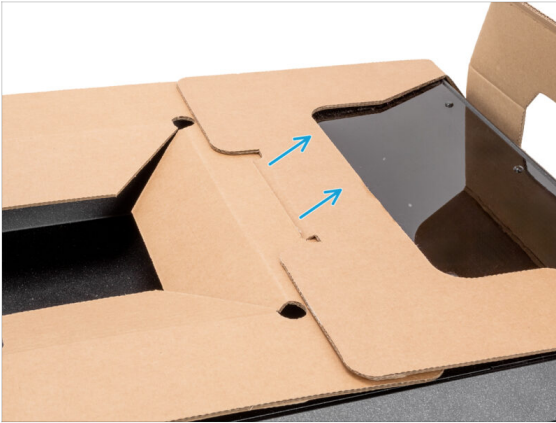
 **CAUTION: The printer is heavy—handle it with care!**

- Grasp both handles and **CAREFULLY** lift the printer out of the box.

 Tip: Ask someone to hold the bottom cardboard box in place to make it easier to lift the printer out.

- Place the printer on a **stable and clean surface**.

STEP 3 Removing the cardboard layer



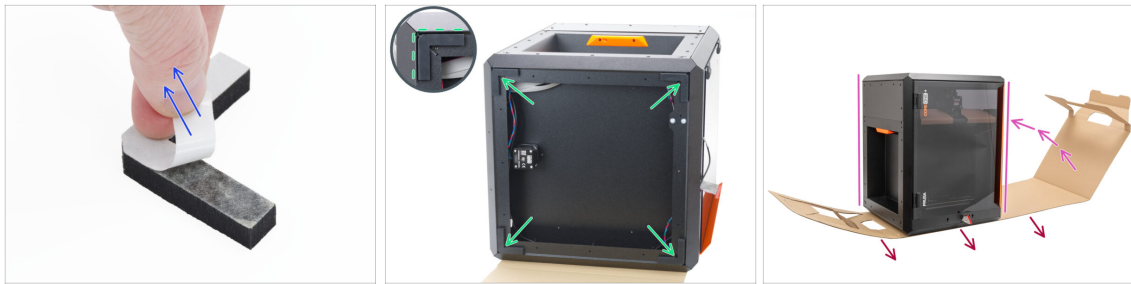
- Detach the two ends of the cardboard protective layer from each other by pulling the upper layer out.
- Fold down the cardboard protective layer away from the printer.

STEP 4 Anti-vibration feet: parts preparation



- For the following steps, prepare:
 - Anti-vibration foot (4x)

STEP 5 Sticking the anti-vibration feet



- Peel off the protective film from all anti-vibration feet.
- Stick one anti-vibration foot in each corner of the frame. Align it with the outer edge of the flat side of the profile.
- Carefully turn the printer to its "natural standing position" with the orange door handle on the right side.
- Now, you can completely remove the cardboard layer from the printer.

STEP 6 Removing the inside protections



- Open the door.
- Locate two cardboard fixtures on the X-axis. There is a notch that releases the fixation.
- Pull the notch, release, and remove the fixture.
- Using the same method, remove the second fixture.

STEP 7 Preparing the Tool pack

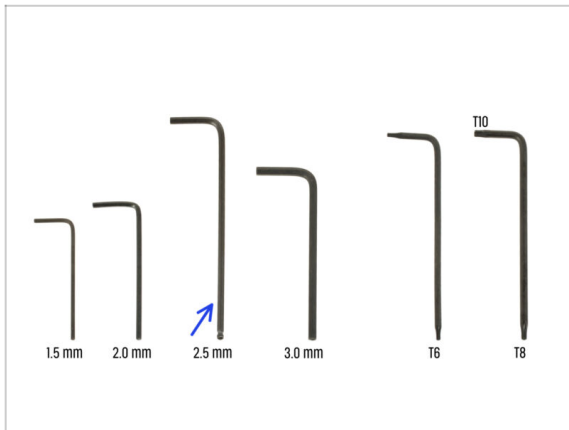


- The tool pack is located on the right side of the printer.
- Remove the cardboard tool pack from the printer.
- Open the tool pack completely. **Inside, you will find:**
 - xLCD assembly package
 - Tools package
 - Spool-holder and O-ring
 - Accessories
- Keep the content aside for later use. Now let's go to the next chapter: **3. Mounting the xLCD**

3. Mounting the xLCD

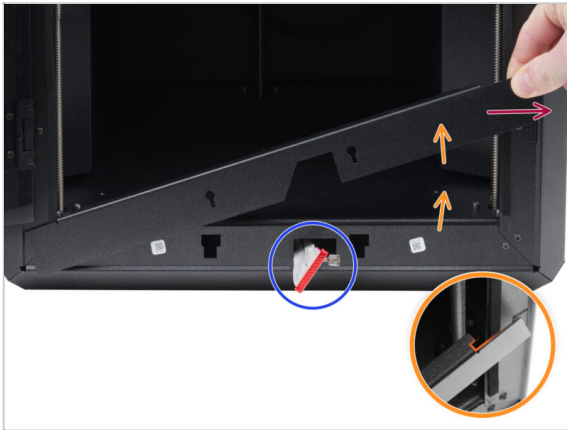


STEP 1 Tools necessary for this chapter



- For this chapter, please prepare:
- 2.5mm Allen key

STEP 2 Removing the bezel



- Open the door fully.
- Lift the right end of the front bezel and unhook it from the printer frame.
- Pull the bezel out of the printer. Do not discard the part.
- ⚠ Proceed carefully to avoid scratching the parts or damaging the door.**
- i** The bezel is attached to the printer with magnets, making it easy to remove.
- Note the cables coming from the printer. We'll address them shortly. **Avoid pushing them into the printer, keep them as they are.**

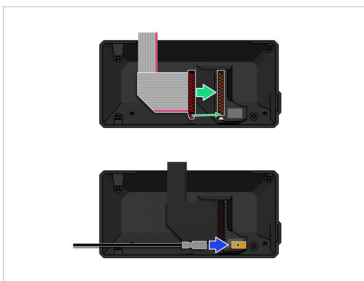
STEP 3 xLCD assembly: parts preparation



● For the following steps, please prepare:

- xLCD assembly (1x)

STEP 4 Connecting the xLCD assembly



- Connect the xLCD cable (gray cable with red connector) to the xLCD board on the back of the xLCD assembly. **Do not pull on the cable!**

⚠ **Ensure the latch on the connector is positioned on the same side of the slot as the triangle symbol on the xLCD board. Otherwise, the xLCD won't work.**

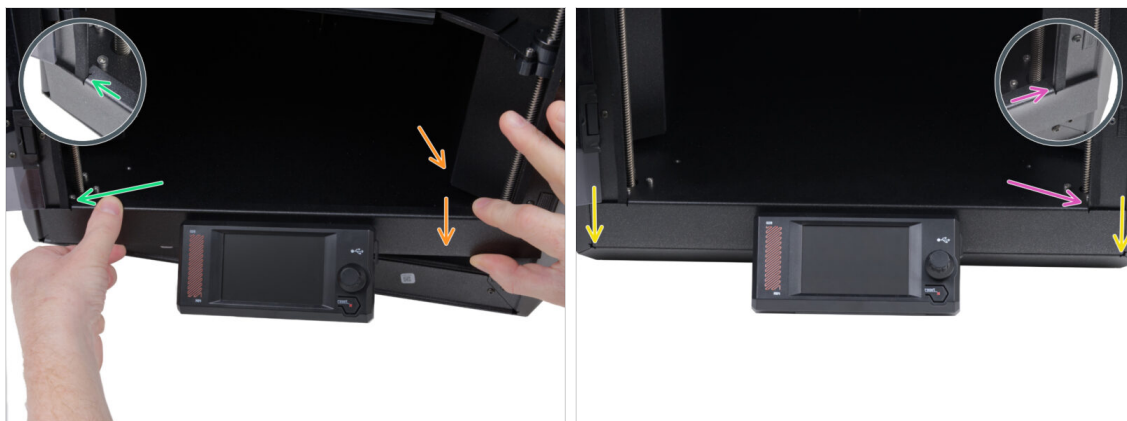
- Take the FE cable and fully slide the metal connector onto the FE Faston (brass connector) on the xLCD board. **Do not pull on the cable!**
- ① For a better overview of the correct connection of both cables, see the illustrations.

STEP 5 Mounting the xLCD



- Install the bezel onto the screws on the back of the xLCD assembly.
- **Ensure the magnets face upward.** The bezel has four magnets, but only two are visible in the picture.
- **Ensure both screws (M3x6) are not fully tightened,** leaving approximately a 3 mm (1/8 inch) gap between the screw head and the xLCD cover.
- Slide the bezel toward you, ensuring both screws are positioned at the end of the keyhole-shaped holes.
- Keep the bezel in position and fully tighten both screws.

STEP 6 Attaching the display assembly



- Carefully install the display assembly (xLCD and bezel) onto the printer using the following procedure:

⚠ **Proceed carefully** to avoid scratching the parts or damaging the door.

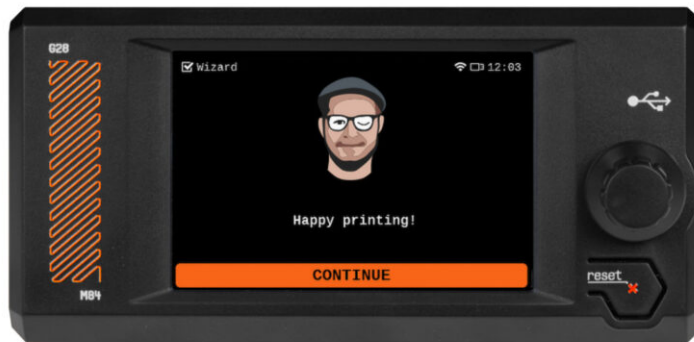
- Hook the left side of the bezel onto the left frame of the printer, ensuring the square cutout is securely attached to the frame.
- Slowly lower the right side into place as well.
- Secure the right side of the bezel onto the right frame of the printer, ensuring the square cutout is securely attached to the frame.
- Ensure the **bezel is evenly seated at both ends along the bottom edge** — test it by closing the door slowly to check if the bezel obstructs movement.

STEP 7 Peeling off the protectives



- Now, you can remove the protective films from the transparent panels on the printer.
- The protective film is located on the top, left, and right sides of the printer.
- We are almost there! Let's go to the last chapter: **4. Calibration & First run**

4. Calibration & First run



STEP 1 Print sheet and spool holder



i This chapter will guide you through calibrating and preparing the printer for its first run.

! **Make sure there is nothing on the heatbed.** The heatbed must be clean. Any dirt can damage the surface of both the heatbed and the print sheet.

■ **Attach the sheet by first aligning the rear cutout with the locking pins on the back of the heated bed.** Hold the sheet by the front two corners and slowly lay it down onto the heated bed - **watch your fingers!**

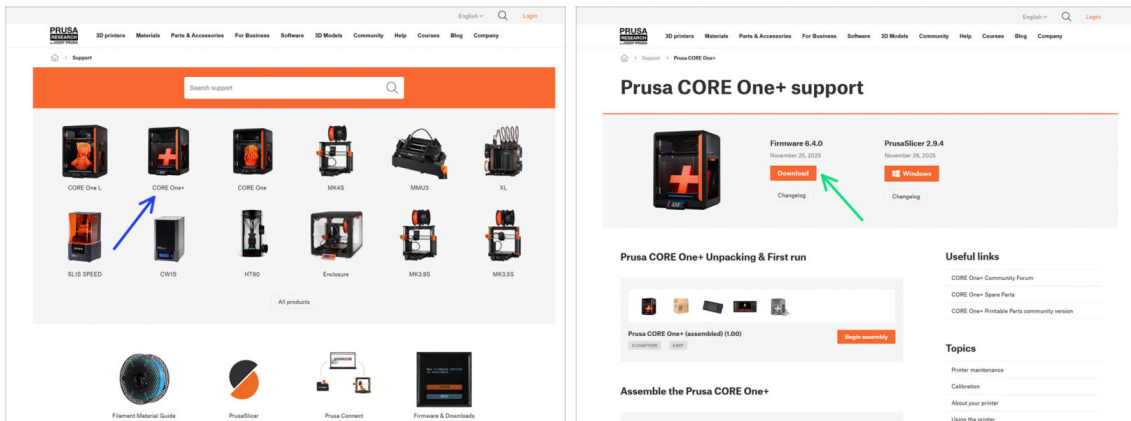
■ Keep the **print sheet** clean for optimum performance.

■ #1 cause of prints detaching from the print surface is a greasy print sheet. **Use IPA (Isopropyl alcohol) to degrease it** if you have touched its surface before.

■ Put the O-ring onto the spoolholder.

■ Push the spoolholder into the Puck-universal and lock it in by turning clockwise.

STEP 2 Firmware update



i All shipped printer packages include a USB drive with the latest firmware. However, it is recommended to check and possibly upgrade the firmware version.

■ Visit the help.prusa3d.com page.

■ Navigate to the Prusa CORE One+ page.

■ Save the firmware file (*.bbf*) onto the *bundled USB drive*.

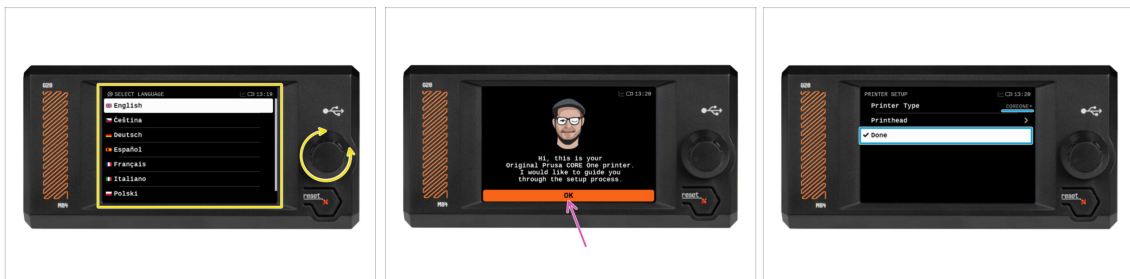
i Pro tip: To access Prusa CORE One+ homepage you can use the URL: prusa.io/core-one-plus

STEP 3 Turning it ON



- ✿ Insert the USB drive included in your kit into your printer.
- ❗ The included USB drive contains the latest firmware file.
- ✿ Connect the power cable and plug the printer into a wall outlet.
- ✿ Turn the printer on using the switch on the back.
- ❗ The printer will now detect if a new firmware file is available on the USB drive.
- ✿ If the "New firmware available" screen appears, hit **FLASH** by pressing the rotary knob to upgrade to the latest firmware.
- ✿ If no such message appears, the printer is running the latest firmware already. Proceed to the next step.

STEP 4 Setting up the printer: Intro



- ✿ The printer displays on the screen a prompt to select your language. Use the control knob or touchscreen to set your preference.
- ✿ After selecting your language, the printer will display the welcome screen. Hit **OK** to continue through the setup process.
- ✿ The next screen will prompt you to select your printer model. Since the assembled Prusa CORE One is fully tested in our facility, it has been pre-selected to COREONE+ during these tests. Hit **Done** to continue.

STEP 5 Setting up the printer: Network setup



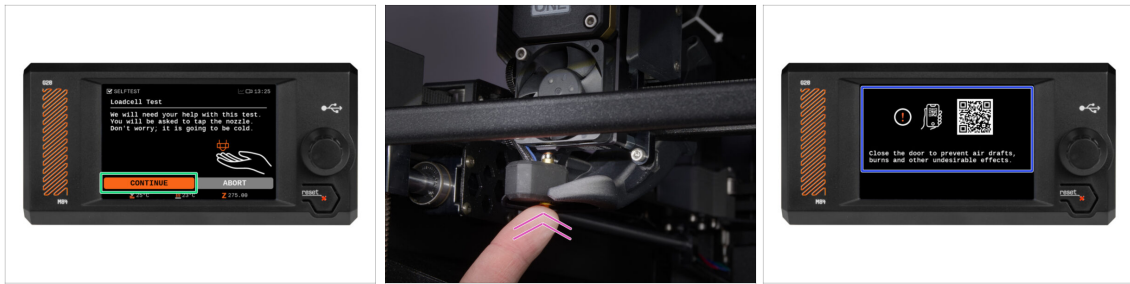
- The Network Setup screen will ask you to connect to a Wi-Fi network using our official Prusa mobile app.
 - ⓘ Read more on prusa.io/app.
- If you select **No**, the printer will show alternative ways to connect to Wi-Fi. This step is optional and can be done later.
 - ⓘ You can skip this screen and set up the network connection later.

STEP 6 Wizard: Intro



- i** The printer will prompt you to run self-tests and calibrations for all important components. The entire process takes a few minutes, with some parts requiring direct user interaction.
- ◆** Although the printer was thoroughly tested at our facility, we highly recommend running the self-test again. Hit **YES** to start the self-test.
- ⚠** **Warning:** During the self-test, **keep the door closed** until you are prompted. Opening the door will interrupt the process.
- There are **HOT** and moving parts inside during the self-test.
- ⚠** **Caution:** Some parts of the Wizard, such as fan testing and axis calibration, **may be loud**.
- ◆** The printer will begin by testing all the fans. **Be aware—it will be quite noisy for a while!**

STEP 7 Wizard: Loadcell Test



- ◆ The next step of the wizard will prompt you to touch the nozzle to test and calibrate the Loadcell. During this procedure, the **parts of the printer are not heated up** so that you can touch them. Hit **Continue**.
- ❗ Loadcell calibration requires the door to be open, as you must interact directly inside the printer.
- ⬛ Do not touch the nozzle yet, wait until prompted by the **Tap nozzle NOW** message.
- ◆ Tap the nozzle from below. In case the Loadcell does not detect the touch, you will be prompted to repeat the step. Otherwise, you will see **Loadcell test passed OK** when it succeeds.
- ◆ To allow the printer to continue with the Wizard, **close the door**.

STEP 8 Wizard: Gearbox Alignment



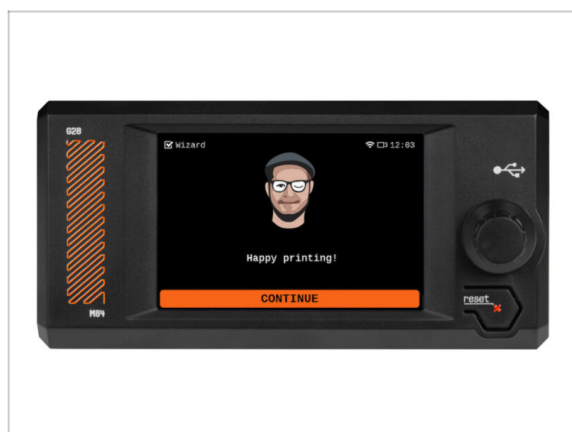
- ⬛ The next screen will prompt you to perform gearbox calibration. This step is not necessary for pre-assembled printers from our company.
- ◆ Hit Skip to continue.

STEP 9 Wizard - Filament Sensor Calibration



- ◆ During the filament sensor calibration, you will need to use a short piece of filament. Prepare the filament and select **Continue**.
- ❗ There should be no filament inside the extruder before the calibration process starts.
- ◆ Place a spool of filament onto the spool holder on the right side of the printer.
- ◆ When prompted, begin inserting the filament into the PTFE tube located beneath the right handle.
- ◆ Remove the filament after the calibration finishes.

STEP 10 Wizard complete



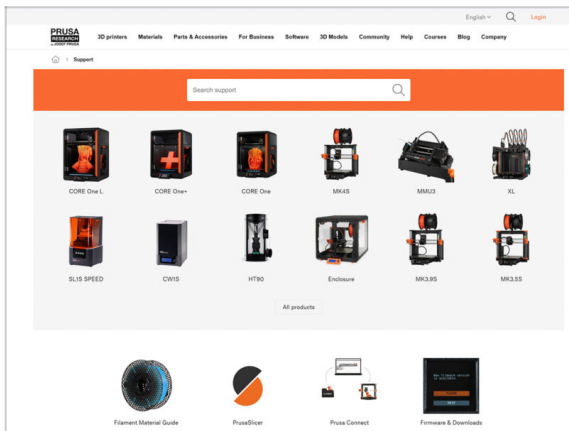
- ◆ Congratulations! The Wizard is complete. Now it's time to test some prints.

STEP 11 Handbook



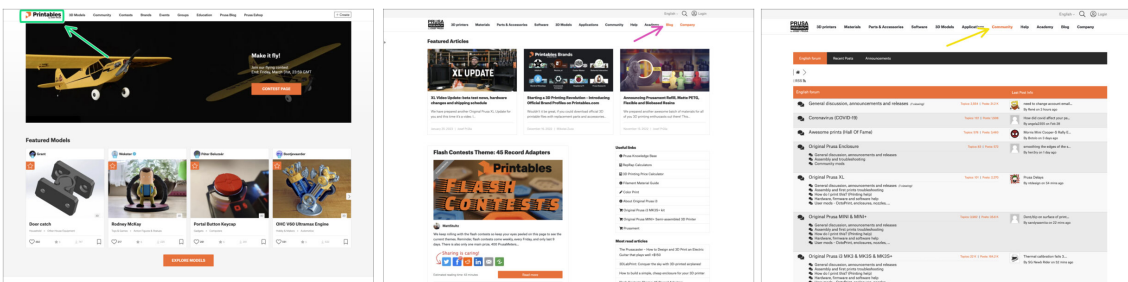
- 📖 Read the **3D Printing Handbook** dedicated to your printer and follow the instructions to set up the printer and prepare it for your first print.
- 📌 The latest version is always available at prusa.io/core-one-plus.
- ⚠️ Read the **Disclaimer and Safety instructions** chapters.

STEP 12 Prusa knowledge base



- 📌 If you encounter any problems at all, don't forget you can always check out our knowledge base at help.prusa3d.com
- 📖 We're adding new topics every day!

STEP 13 Join Printables!



- 🌟 Don't forget to join the biggest Prusa community! Download the latest models in STL or G-code tailored for your printer. Register at [Printables.com](https://printables.com)
- 🌟 Looking for inspiration on new projects? Check our blog for weekly updates.
- 🌟 If you need help with the build, check out our forum with a great community :-)
- 📌 All Prusa services share one user account.

Manual changelog



STEP 1 Version history



- **Versions of the Prusa CORE One+ (assembled) manual:**
- 11/2025 - Initial version 1.00

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This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across the entire width of the page, providing a guide for writing. The background is a clean, solid white color. There are no margins, text, or other markings present.

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