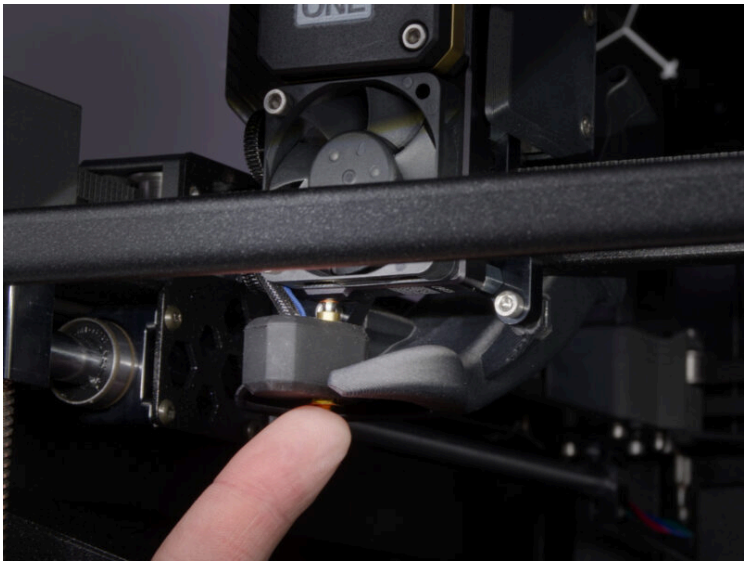
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4. Calibration & First run



help.prusa3d.com/g825413

Scan the QR code to display the latest version of this chapter.

STEP 1 Attaching the print sheet

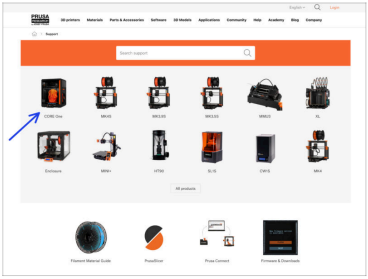


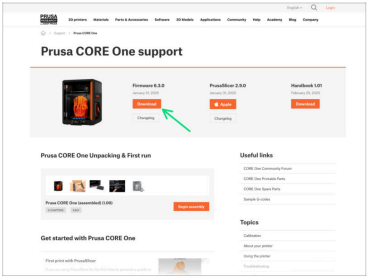
This chapter will guide you through calibrating and preparing the printer for its first run.

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.

STEP 2 Firmware update





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.*

Pro tip: To access Prusa CORE One homepage you can use the URL: prusa.io/coreone

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.

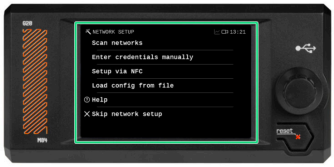
STEP 4 Setting up the printer: Intro



- 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



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.

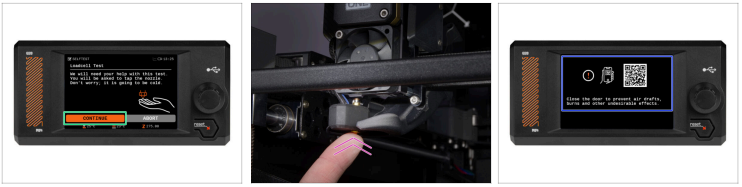
Warning: During the self-test, **keep the door closed** until you are prompted. Opening the door will interrupt the process.

- **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**.

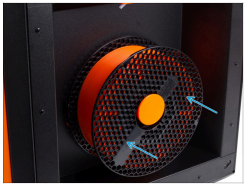
STEP 8 Wizard: Gearbox Alignment



- 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

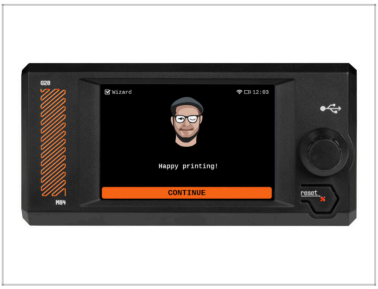






- During the filament sensor calibration, you will need to use a short piece of filament. Prepare the filament and select **Continue**.
- There should be no filament inside the extruder before the calibration process starts.
- Place a spool of filament onto the spool holder on the right side of the printer.
- 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

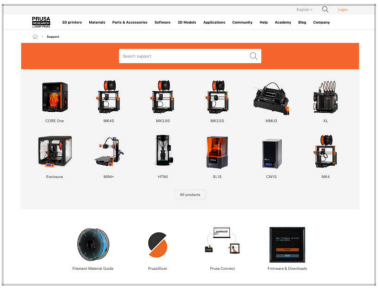


- Read the **3D Printing Handbook** dedicated to your printer and follow the instructions to set up the printer and prepare it for your first print.

The latest version is always available at help.prusa3d.com.

Read the Disclaimer and Safety instructions chapters.

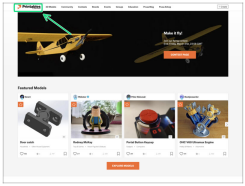
STEP 12 Prusa knowledge base



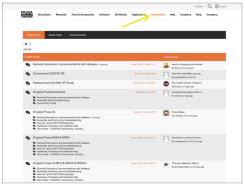
If you encounter any problems at all, don't forget you can always check out our knowledge base at help.prusa3d.com

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

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.

Notes:

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