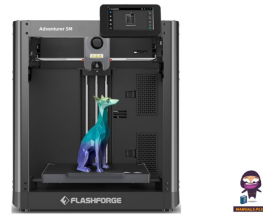


FLASHFORGE Adventurer 5M 3D Printer



FLASHFORGE Adventurer 5M 3D Printer User Guide

[Home](#) » [FLASHFORGE](#) » FLASHFORGE Adventurer 5M 3D Printer User Guide 

Contents

- 1 FLASHFORGE Adventurer 5M 3D Printer
- 2 Specifications
- 3 Product Usage Instructions
- 4 Unboxing Instructions
- 5 Packing List
- 6 Printer Components
- 7 Install
- 8 Unlock the Build Plate
- 9 First Print
- 10 Parameters
- 11 MORE INFORMATION
- 12 FAQ
- 13 Documents / Resources
 - 13.1 References
- 14 Related Posts



FLASHFORGE Adventurer 5M 3D Printer



Specifications

- **Model:** Adventurer 5M
- **Printing Technology:** FDM (Fused Deposition Modeling)
- **Build Volume:** 220 x 220 x 250 mm
- **Layer Resolution:** 0.1 – 0.4 mm
- **Print Speed:** Up to 180 mm/s
- **Connectivity:** USB, Wi-Fi

Product Usage Instructions

Unboxing and Setup

1. Open the box and remove all packaging materials.

2. Place the machine on a level workspace and unpack all accessories.
3. Identify and assemble the components as per the instructions provided.

Installing Spool Holder and Filament Guide Tube

1. Install the spool holder using the provided screws.
2. Insert the filament guide tube into the extruder and filament detection sensor.

Screen Installation

1. Insert the screen cable into the screen connector carefully.
2. Secure the screen in place by pushing it into the printer slot.

Unlocking the Build Plate

1. Clear the build plate area and use a 2.0mm Allen wrench to remove the locking screws.

First Print

1. Power on the printer and select the language on the screen.
2. Connect to Wi-Fi and follow the on-screen instructions for network setup.
3. Complete the binding process as directed on the screen.

Warning

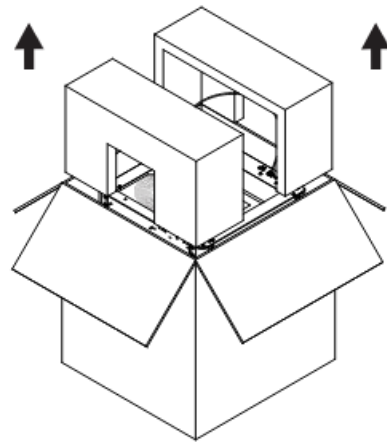
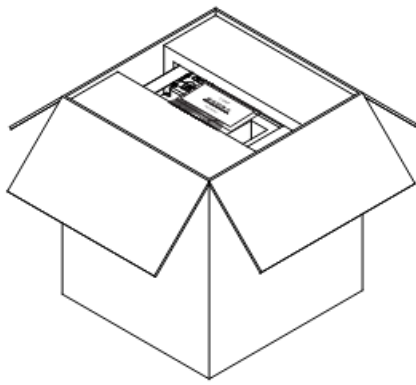
1. Please refer to this Guide for initial printer setup.
2. Hot! Avoid touching the heating nozzle in operation.
3. Moving parts in the printer may cause injuries. Do not wear gloves or other sources of entanglement in operation.

Safety Notice

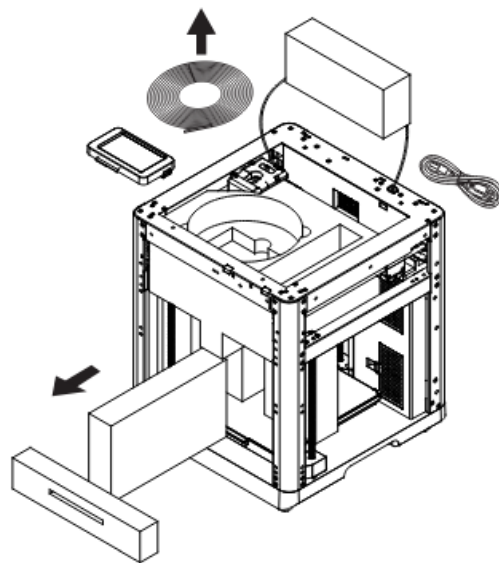
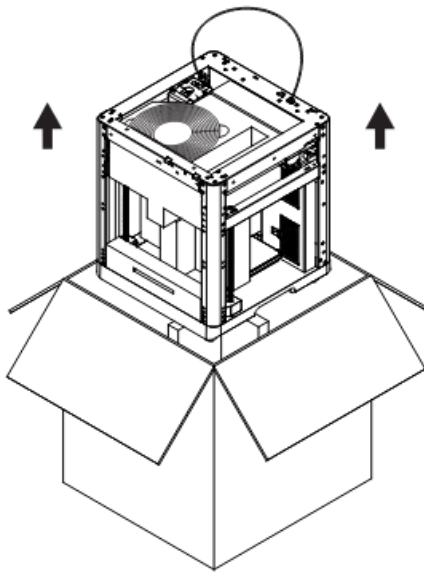
Do not power on the printer until installation is completed.

Unboxing Instructions

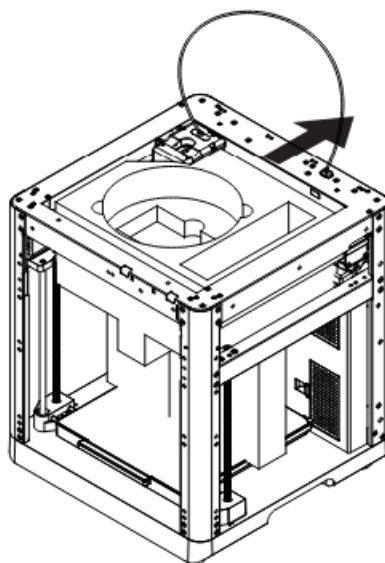
1. Open the box.
2. Remove the upper foam packaging, Quick Start Guide and After-sales Service Card.



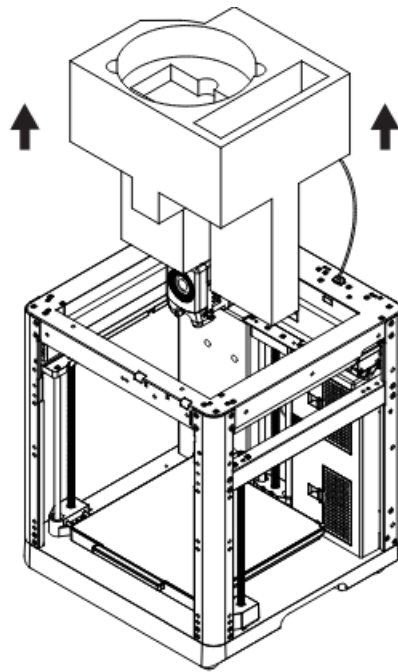
3. Take out the machine, place it on a level workspace and remove the packaging bags and tapes.
4. Remove the filament, power cable, screen, and accessory box from the chamber protective foam. Remove the inner protective foam from the extruder.



5. Move the chamber foam according to the arrow direction.



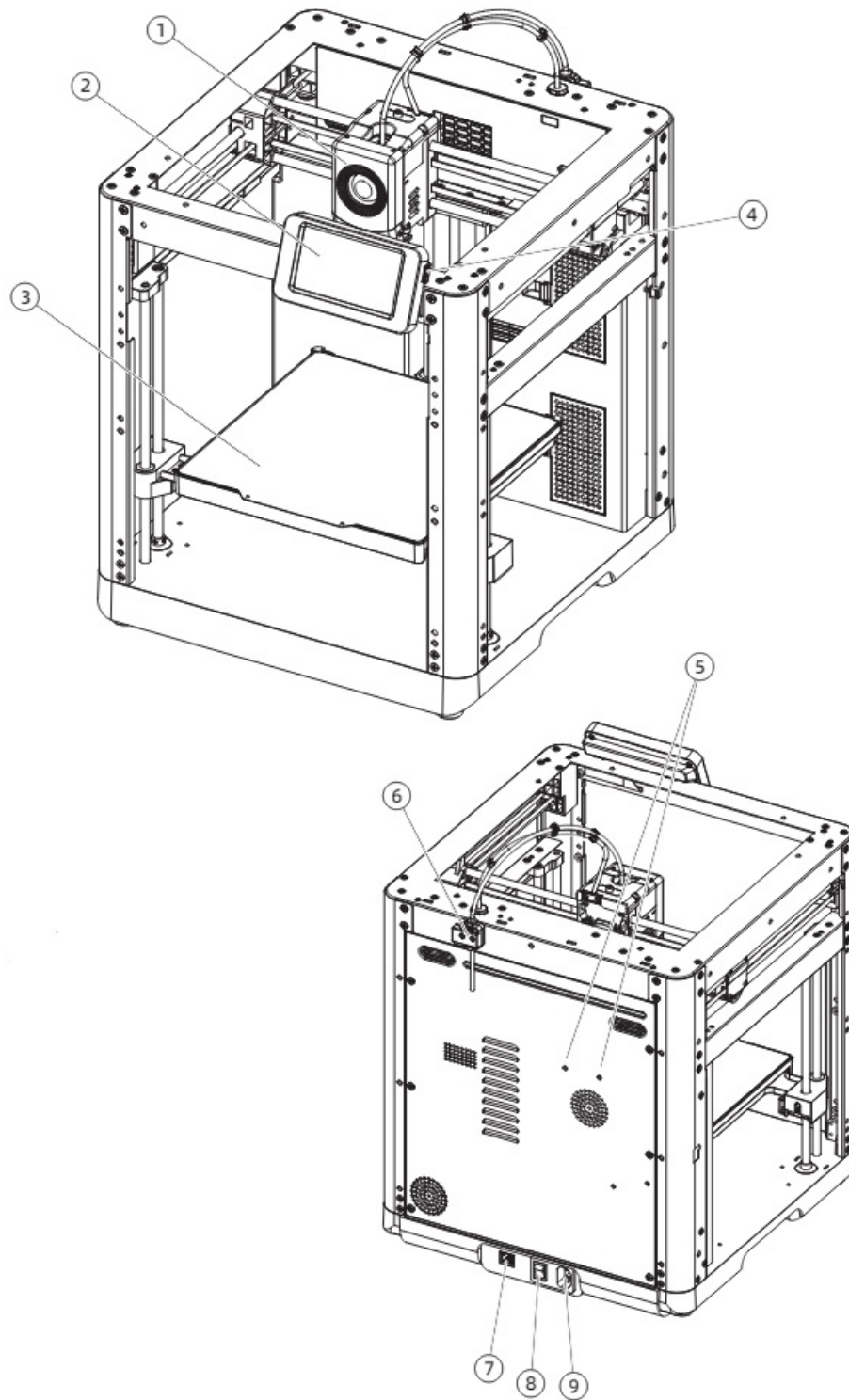
6. Remove the foam.



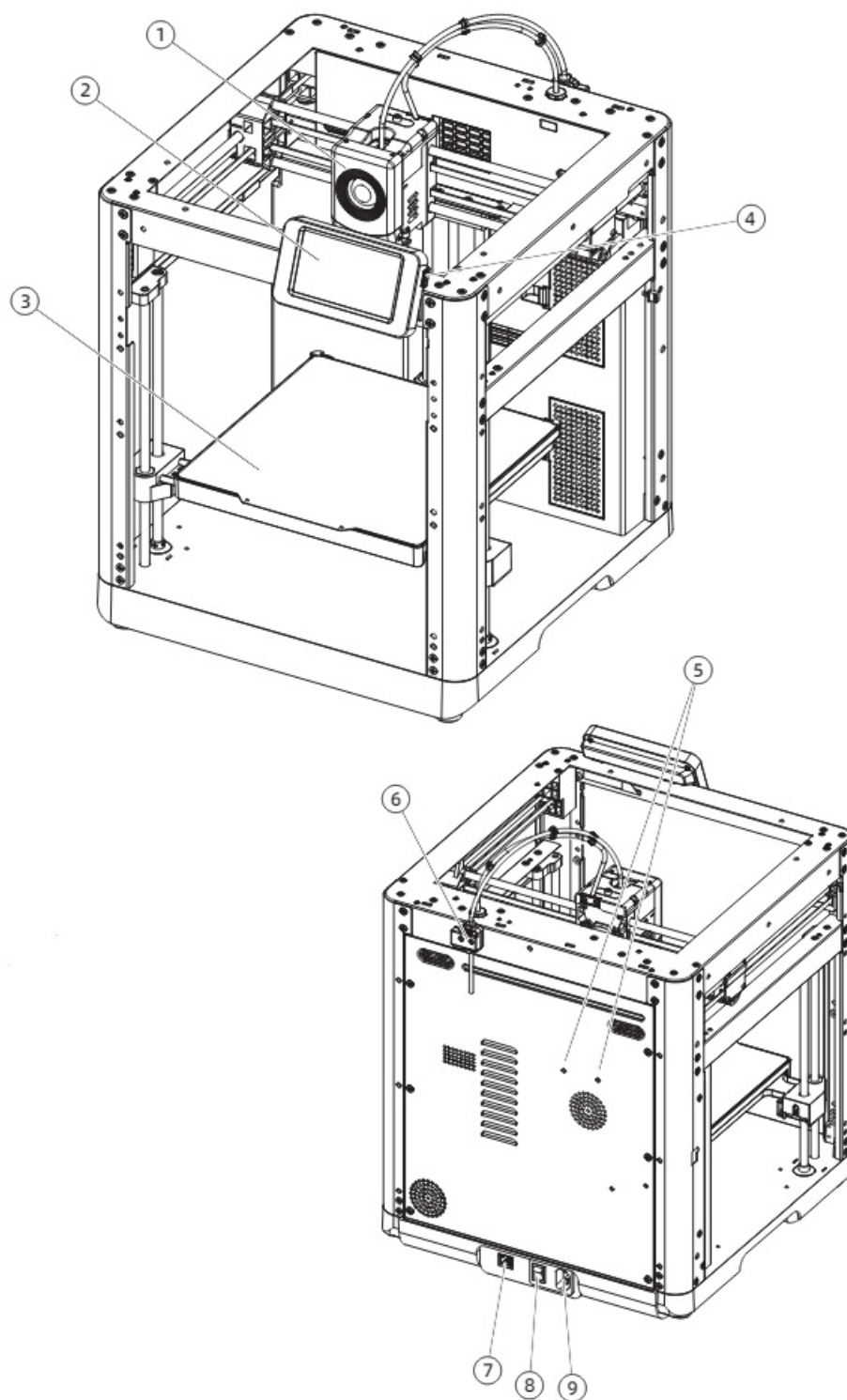
Packing List



Printer Components



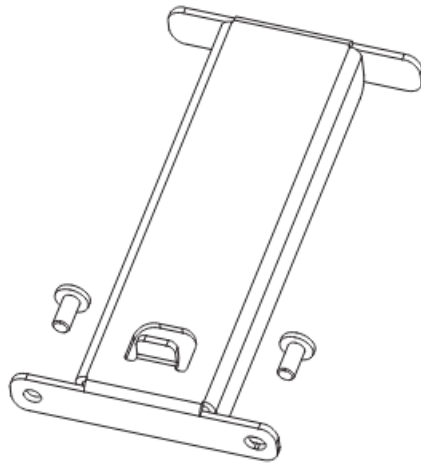
1. Extruder
2. Touch Screen
3. Build Plate
4. USB Port
5. Screw Holes for Spool Holder
6. Filament Detection Sensor
7. Ethernet Input
8. Power Switch
9. Power Socket



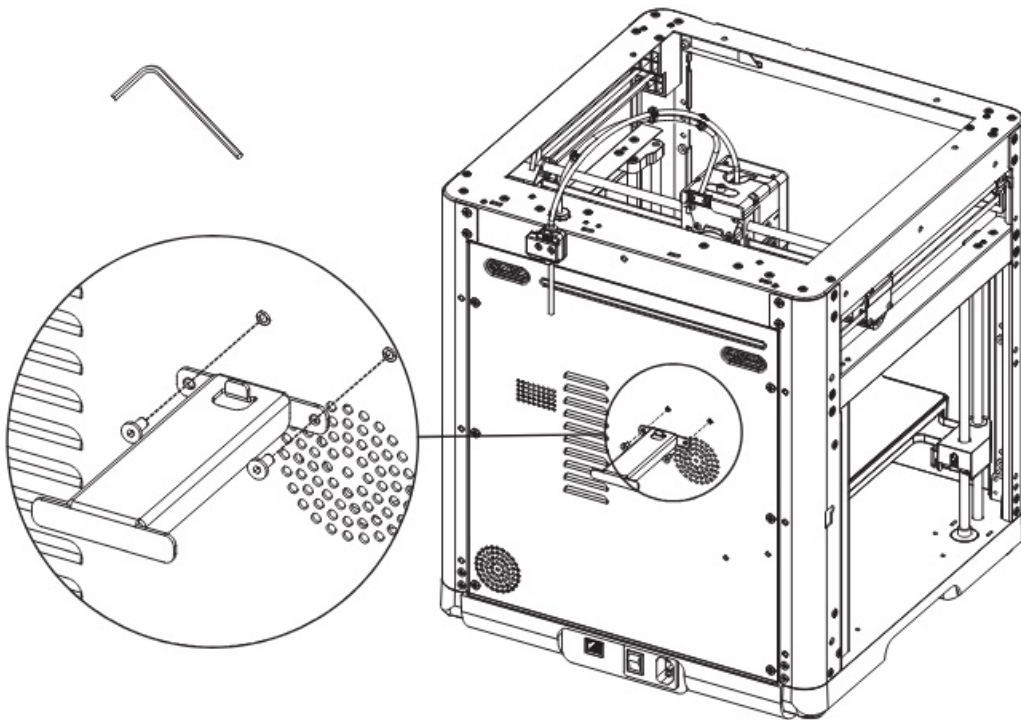
Install

Install the Spool Holder and Filament Guide Tube

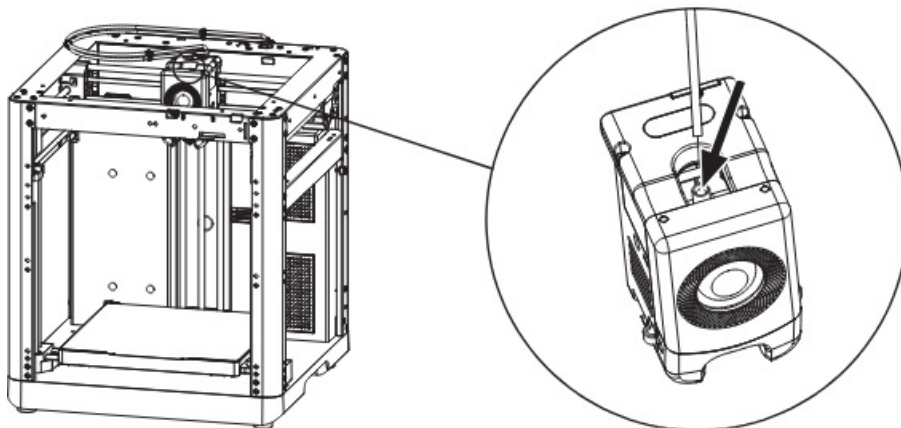
1. Take out the two screws and spool holder from the accessory box.



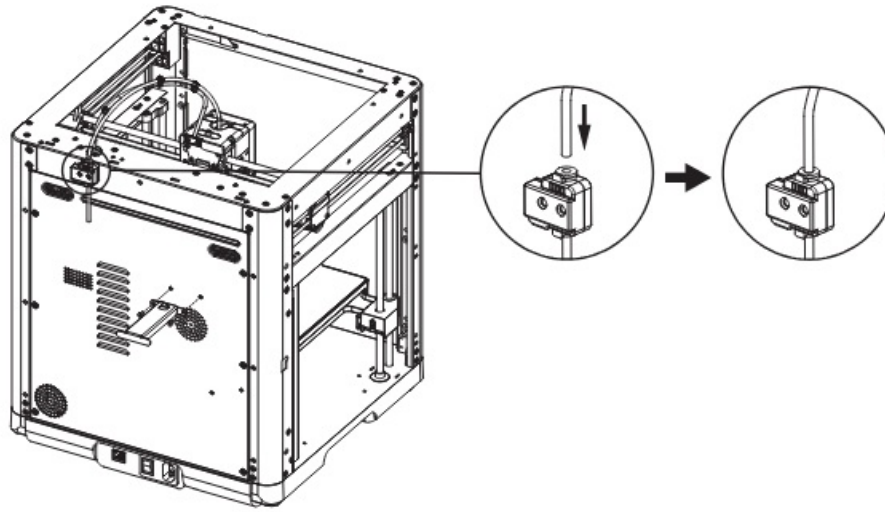
2. Install the spool holder at the position shown in the figure with the two screws. (Note: Please tighten them using a 2.0mm Allen wrench.)



3. Insert the filament guide tube to the extruder.



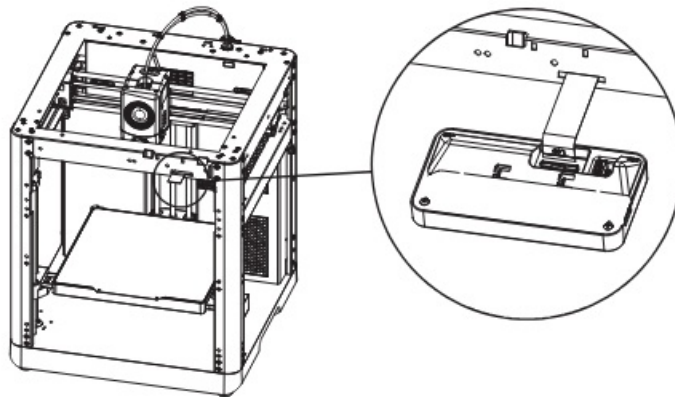
4. Insert the other end of the filament guide tube into the filament detection sensor.



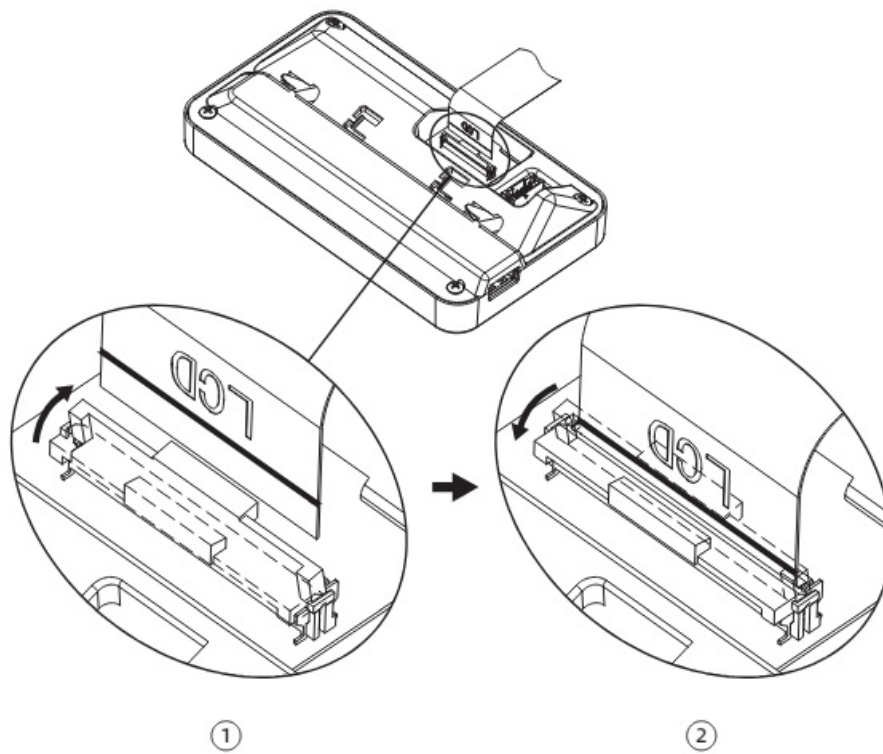
Install the Screen

NOTE: Before installation, please remove the tape of the screen cable. Tear it off gently to Note avoid damaging the cable.

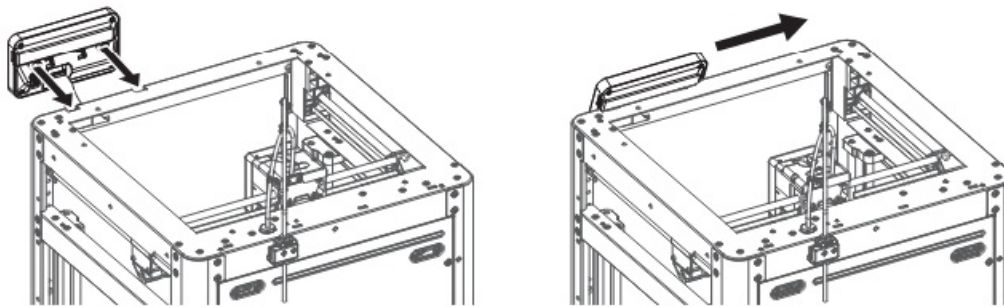
1. As shown in the picture, insert the screen cable into the screen connector.



- **a.** Lift the buckle on the screen's cable socket to the indicated position (Fig. ①), then insert the screen cable into the socket connector. Note: Ensure proper insertion and check alignment of the indicator line with socket.
- **b.** Press down the buckle on the cable socket to the indicated position according to the arrow direction (Fig. ②).

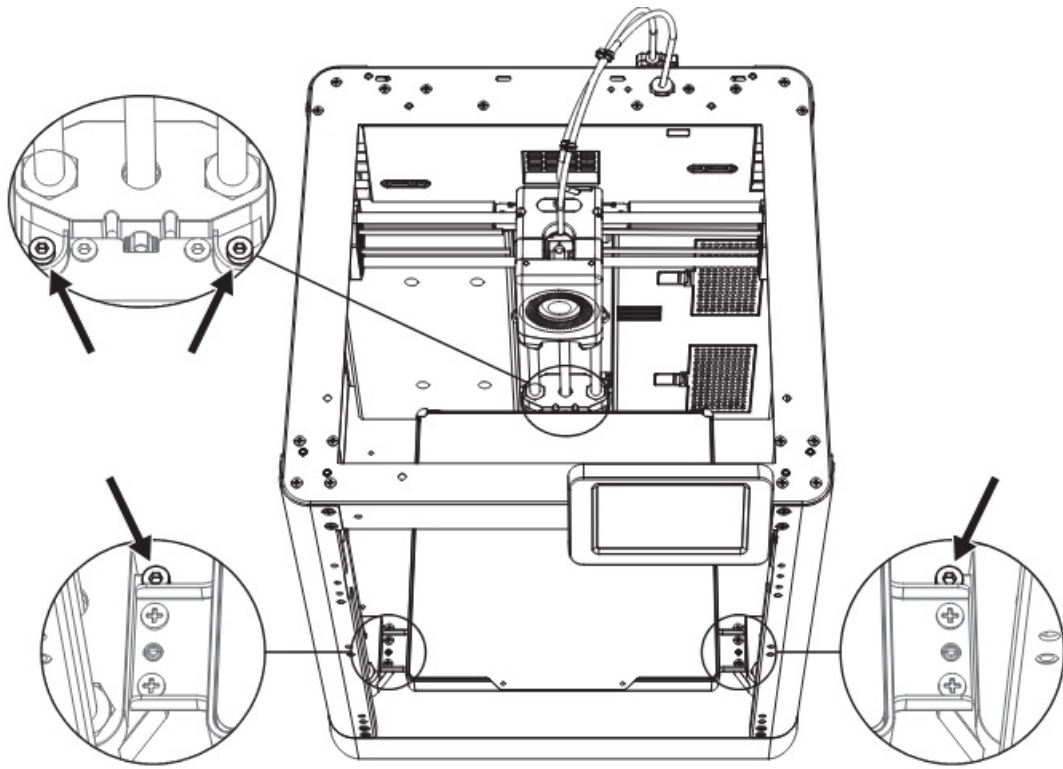


2. Insert the buckle on the back of the screen into the printer's slot, and push the screen according to the arrow direction to lock it in place.



Unlock the Build Plate

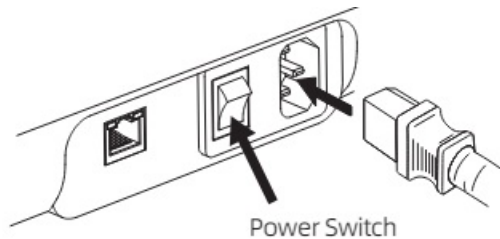
Note: Please ensure the platform has been cleared up.
Please use a 2.0mm Allen wrench to remove four screws which lock the build plate (as indicated by the arrow).



First Print

The interface layout may change whenever there is an upgrade of firmware.

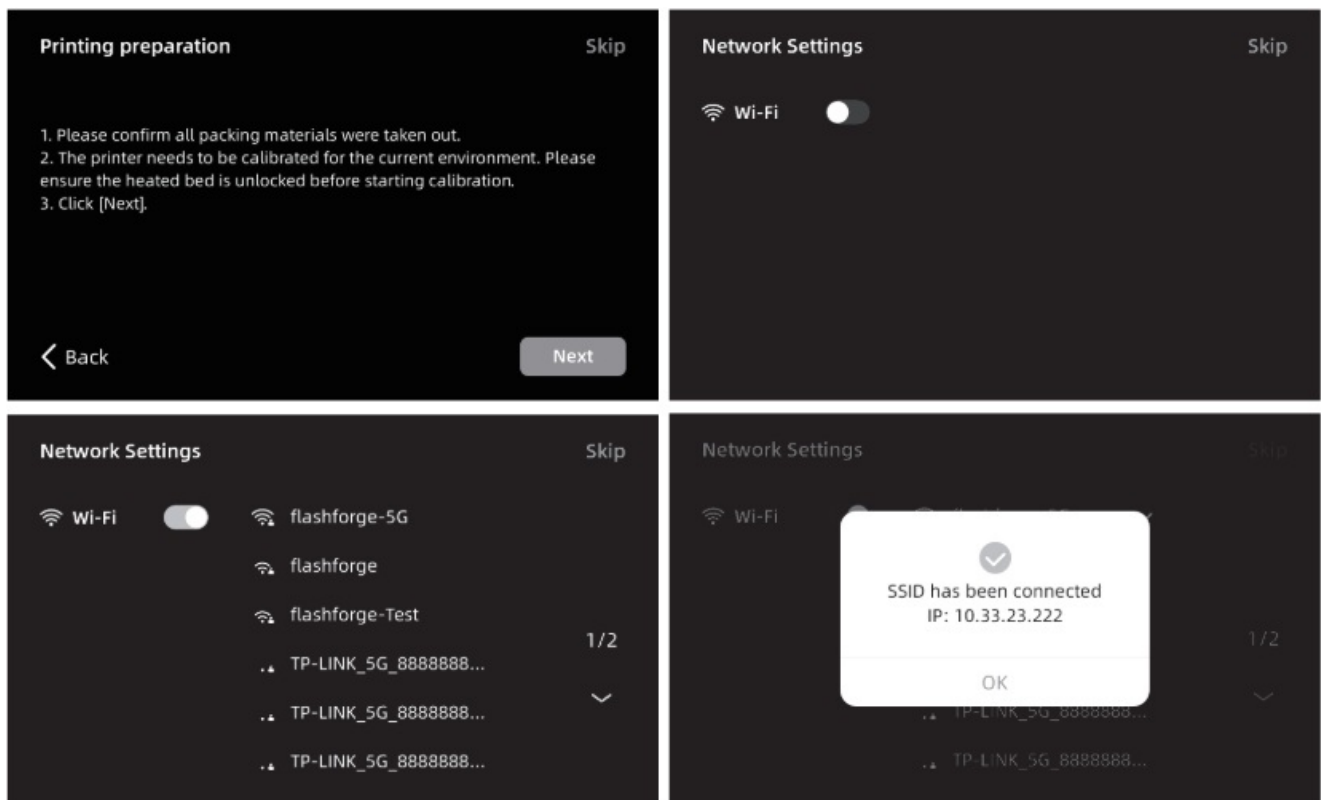
1. Power on the printer, turn on the power switch and wait for the screen to respond.



2. Following the guide on the screen, select the language.



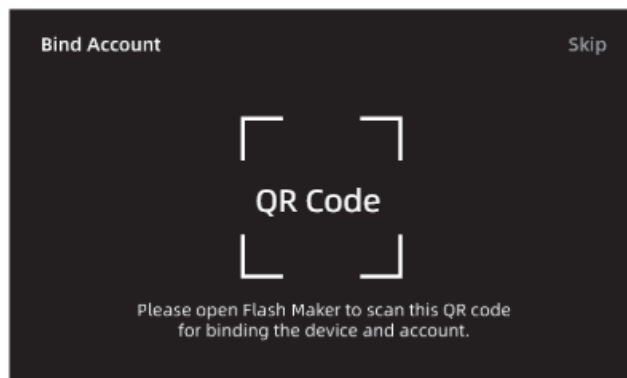
3. Turn on the Wi-Fi switch and connect to the network following the instructions. A successful connection notification will pop up once connected.



4. Bind the printer following the instructions.

Note: If skipped, binding can still be done later on the printer, see User Guide for details.)

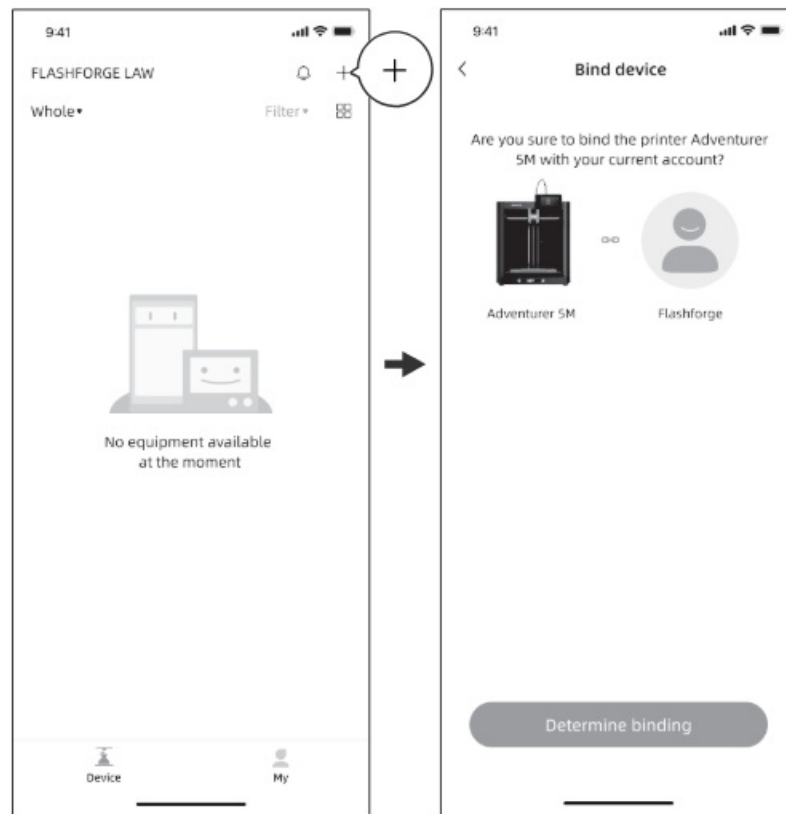
- **a.** After clicking [OK], the QR code page will appear.



- **b.** Download Flash Maker by scanning the QR code (see right) or from the app store, register your Flashforge account, and log in.

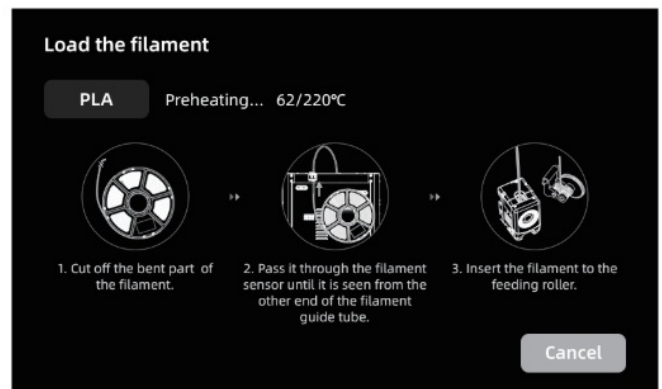
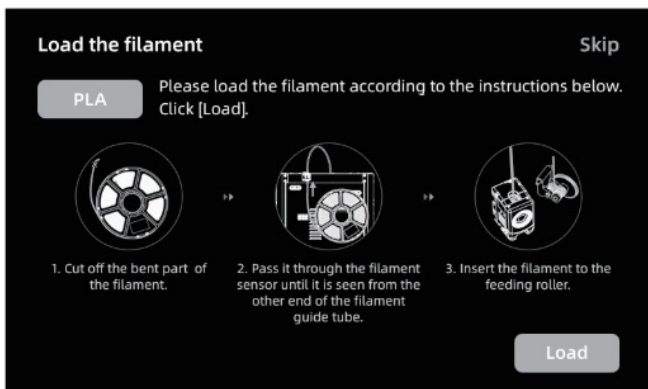


- **c.** Use Flash Maker to scan the QR code on the printer screen to bind the printer to your account. (Note: Default printer name and location are set upon leaving the factory; after completing the startup, you can customize the printer name and location in the settings.)

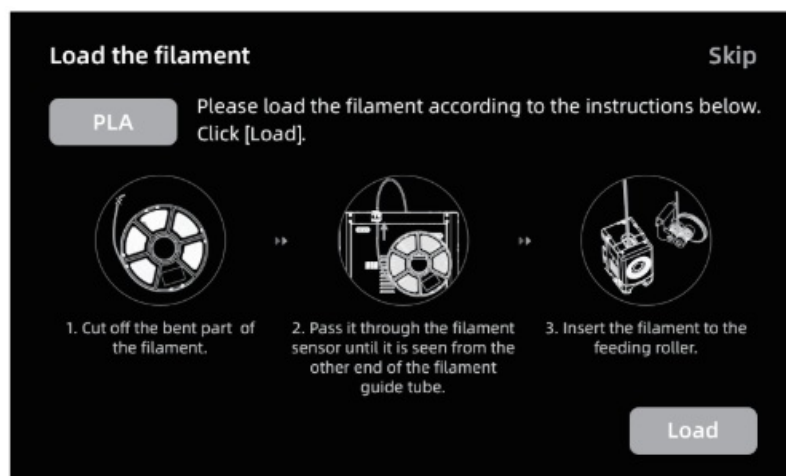


5. Click [Next] and the machine will perform the first calibration. Vibrations and noise during calibration are normal.

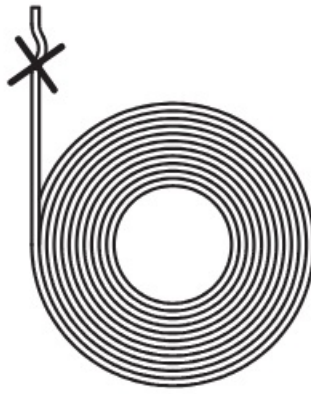
(**Note:** Please keep the machine on a stable surface and do not move it during calibration.)



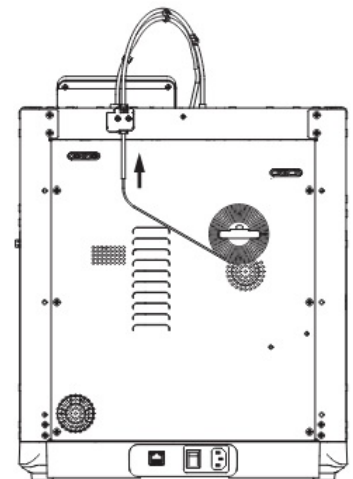
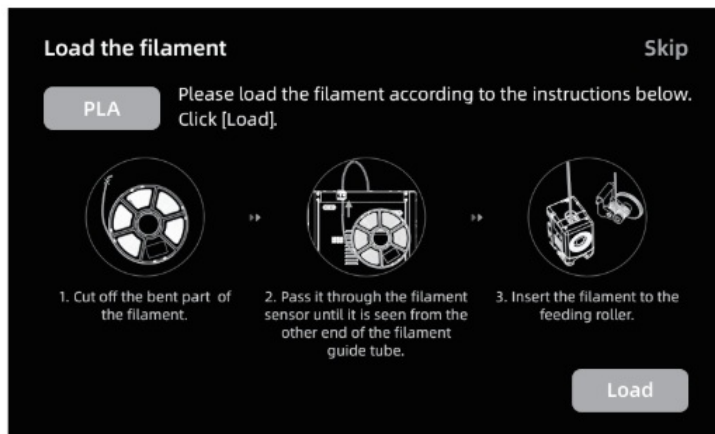
6. Load filament following the on-screen startup boot:



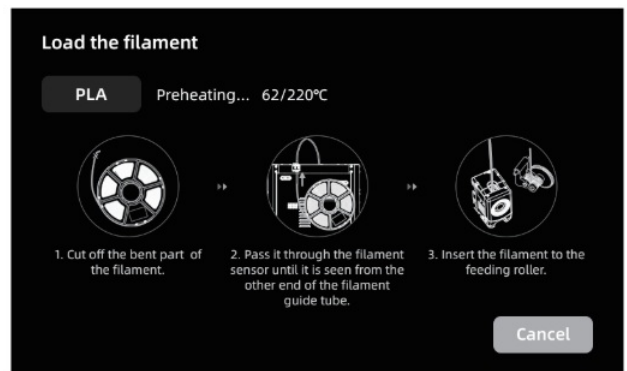
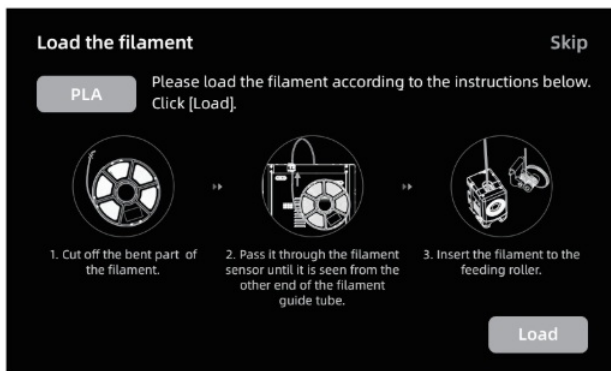
- **a.** Cut off the bent part of the filament end.



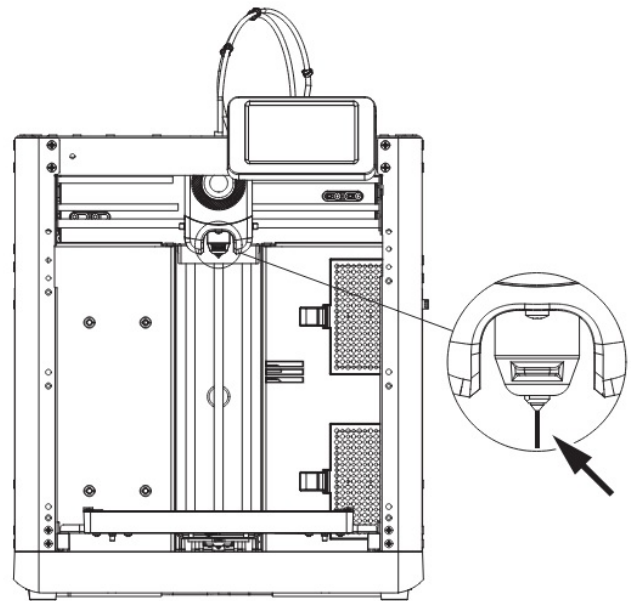
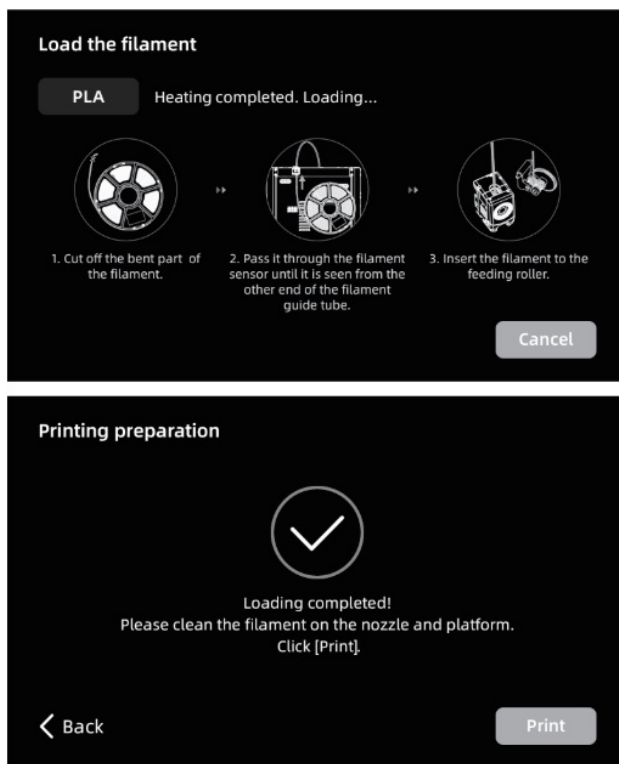
- **b.** Hang the filament on the spool holder. Pass it through the filament sensor until it's seen from the other end of the filament guide tube. Push it forward to the feed roller, until it can not go further. (Please use PLA filament for the first print on initial setup).



- **C1.** Click [Load] and select [PLA] for the first print. **C2.** Wait for the extruder to heat up.

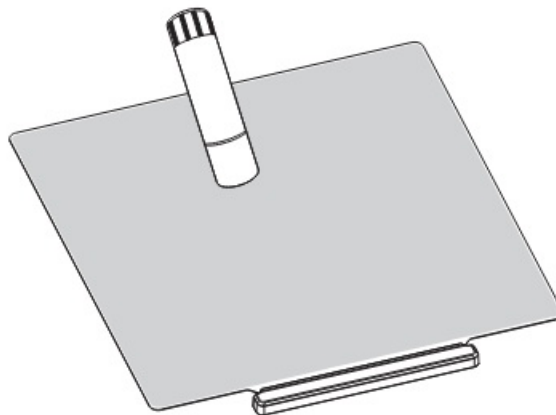


- **C3.** Feeding will begin after heating. Successful filament extrusion from the nozzle indicates successful loading. Lastly, confirm the filament guide tube is properly inserted.

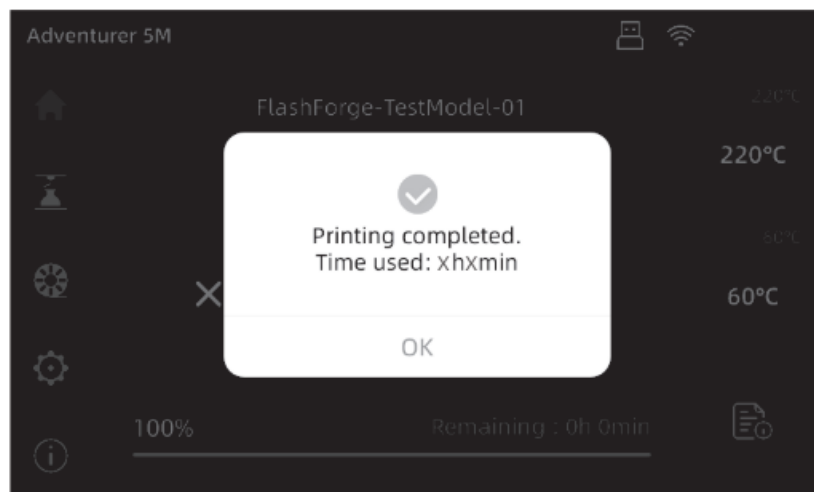


Note: If no filament is extruded, manually insert the filament into the inlet and click [Back] to retry. Feel for filament movement until it is extruded.

7. Please clear the filament residues on the nozzle and platform. Users must apply glue to the platform so as to improve adhesion for the first print.



8. Click [Print] and the machine starts printing the built-in file (configured for PLA material).



For more information, you can visit the Flashforge official website. www.flashforge.com – [Support]



Parameters

Machine Name	Adventurer 5M
Extruder Quantity	1
Printing Precision	±0.1mm [testing based on 100mm cubes]
Positioning Accuracy	X/Y-axis: 0.0125mm, Z-axis: 0.0025mm
Layer Thickness	0.1-0.4mm
Build Volume	220 x 220 x 220mm
Nozzle Diameter	0.4mm default [0.6/0.8/0.25mm optional]
Printing Speed	10-300mm/s
Max Acceleration	20000mm/s ²
Max Travel Speed	600mm/s
Max Extruder Temperature	280°C
Supported Filament	*PLA/*PETG [0.4mm nozzle] *TPU/PLA-CF/PETG-CF [0.6/0.8mm nozzle] Note: Materials marked with * are recommended for printing.
Power Supply	Input: AC 100~120V/200~240V, 50/60Hz, 350W
Device Size	363 x 376 x 413mm [excluding the display screen and spool holder] 363 x 402 x 448mm [including the display screen, excluding the spool holder]
Net Weight	10.8kg
Connectivity	USB/Wi-Fi/Ethernet
Operating Temperature	15-30°C
Compatible Operating System	Windows 7/8/10/11; Linux: support version Ubuntu 20.04 or later; Mac OS: support version 10.9 or later
Slicing Software	FlashPrint 5
Max Platform Temperature	110°C
Leveling Method	One-click auto leveling
Filament Run-out Reminder	√
Power Loss Recovery	√
Smart Touch Screen	4.3-inch
Build Plate	PEI flexible steel plate

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MORE INFORMATION

- **Zhejiang Flashforge 3D Technology Co., Ltd.**
- **Address:** 3rd Floor, gian City, && ranging invitees, Tangxia Town,
- **Service Hotline:** +86 579 82273989
- support@flashforge.com


FAQ

- **Q: What should I do if I encounter an error during printing?**
 - A: If you encounter an error during printing, refer to the user manual for troubleshooting steps. Ensure proper filament loading and bed leveling before starting a new print.
- **Q: Can I use third-party filaments with this printer?**
 - A: It is recommended to use filaments specifically designed for this printer to ensure optimal print quality and performance. The use of third-party filaments may void warranty.

Documents / Resources

	FLASHFORGE Adventurer 5M 3D Printer [pdf] User Guide Adventurer 5M, Adventurer 5M 3D Printer, 3D Printer, Printer
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References

-  - 3d - 3d
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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