



CREALITY

Create reality, achieve dreams

Ender-3 V3 SE

Ender-3 V3 SE

3D Printer User Manual

V1.0

To Our Dear Users

Thank you for choosing Creality. For your convenience, please read through this User Manual before you start and follow the instructions provided carefully.

Creality is always ready to provide you with high-quality services. If you encounter any issues or have any questions when using our products, please use the contact information at the end of this manual to contact us. To further improve your user experience, you can find more about our devices via the following methods:

User manual: You can find instructions and videos in the memory card provided with the printer.

You can also visit our official website (<https://www.creality.com>) to find information regarding software, hardware, contact information, device instructions, device warranty information, and more.

Firmware Upgrade

Please visit the official website <https://www.creality.com>, click on Service Center → Firmware/Software Download → Download the required firmware, install and use it.

Note: The manual interface is for reference only. As the functions are constantly upgraded, please refer to the latest firmware/software UI on the official website.

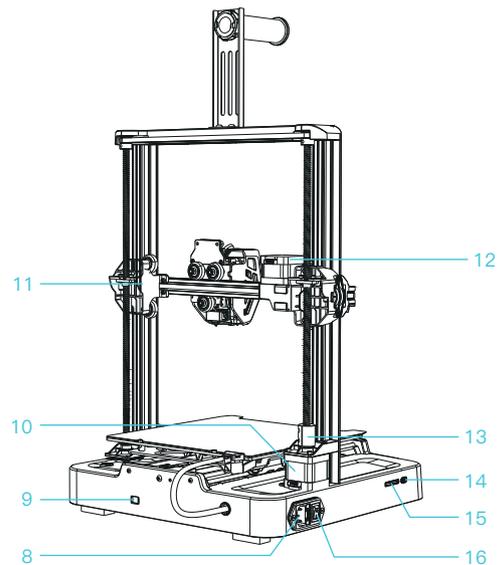
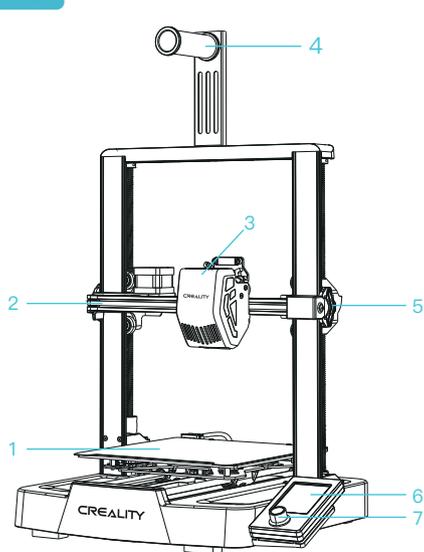
Videos showing the operation of the products and after-sales service

Videos showing the operation of the products and after-sales service For the product operation and after-sales service videos, you can visit <https://www.crealitycloud.com/product>, click on “Products” and select the right model, and then click on “Related” to view the tutorials on after-sales service.

1. Do not use this printer by methods or operations that are not described in this manual, otherwise it may result in accidental injury or property damage.
2. Do not place this printer near flammable materials, explosive materials or high heat sources. Please place this printer in a ventilated, cool and low-dust environment.
3. Do not place this printer in a vibrating or any other unstable environment, as the printing quality will be compromised when the printer shakes.
4. Please use the filament recommended by the manufacturer, otherwise the nozzle may be clogged or the printer may be damaged.
5. Please use the power cord provided with the printer and do not use the power cord of other products. The power plug must be plugged into a three-hole socket with a ground wire.
6. Do not touch the nozzle or hotbed while the printer is in operation, otherwise you may get burned.
7. Do not wear gloves or accessories while operating the printer, otherwise the moving parts may cause accidental injury including cuts and lacerations.
8. After the printing process is complete, please use tools to clean up the filament on the nozzle while the nozzle is still hot. Do not touch the nozzle with your hands when cleaning, otherwise your hands may get burned.
9. Please regularly clean the printer body with a dry cloth while the power is off, and wipe off dust, sticky printing materials, and foreign objects on the guide rails.
10. Children under the age of 10 must not use this printer without adult supervision in order to avoid accidental injury.
11. This printer has a safety protection mechanism. Please do not manually move the nozzle or printing platform quickly while the printer is on, otherwise the printer will automatically power off for protection.
12. Users should abide by the laws and regulations of the corresponding country and region where the equipment is located (place of use), abide by professional ethics, and pay attention to safety obligations. The use of our products or equipment for any illegal purpose is strictly prohibited. Our company is not responsible for the relevant legal responsibilities of any violators.

1. About the Printer	01-01
2. Parts List	02-02
3. Assembly Procedure	03-09
3.1 Gantry Frame	03-03
3.2 Display Screen	04-04
3.3 Material Rack	05-05
3.4 Equipment Wiring	06-06
3.5 Filament Loading	07-09
4. Operation and Use	10-16
4.1 Leveling	10-10
4.2 Printer preheating	11-11
4.3 Software Installation and Slicing	12-13
4.4 Printing Files	14-16
5. Equipment Maintenance	17-19
5.1 Platform plate removal and maintenance	17-17
5.2 Screw Rod Maintenance	17-17
5.3 Nozzle Replacement	18-18
5.4 Troubleshooting	19-19
6. Equipment Parameters	20-20
7. Circuit Wiring	21-21

1. About the Printer



1 Print platform

2 X-axis kit

3 Extruder kit

4 Material rack assembly

5 X-axis tensioner

6 Display screen

7 Rotary button

8 Power outlet

9 Voltage regulation gear

10 Z-axis motor

11 X-axis support

12 X-axis motor

13 Coupler

14 Type-C port

15 Storage card slot

16 Power switch

2. Parts List



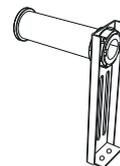
1 Base component



2 Gantry frame



3 Display screen component



4 Material rack assembly



Accessory kit



5 Hexagon Socket Head Cap Screw with Spring Washer M3*14 x6



6 Hexagon Socket Button Head Screw M4*10 x3



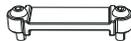
7 Hexagon Socket Button Head Screw M5*8 x2



8 Hexagon Socket Head Cap Screw M3*8 x2



9 Toolkit



10 FFC Fixing Clip Assembly



11 Power cable



12 Cutting plier



13 Filament (20m)



14 Nozzle cleaner



15 Nozzle



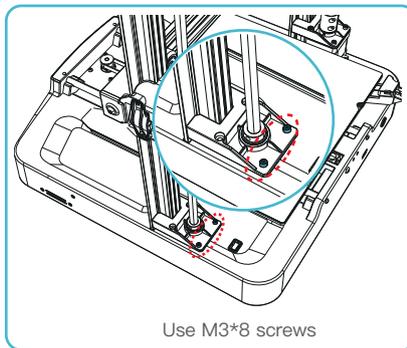
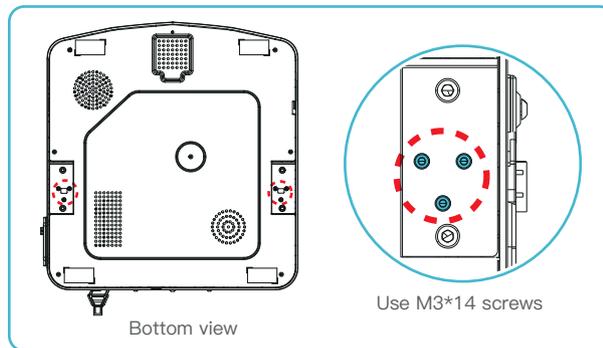
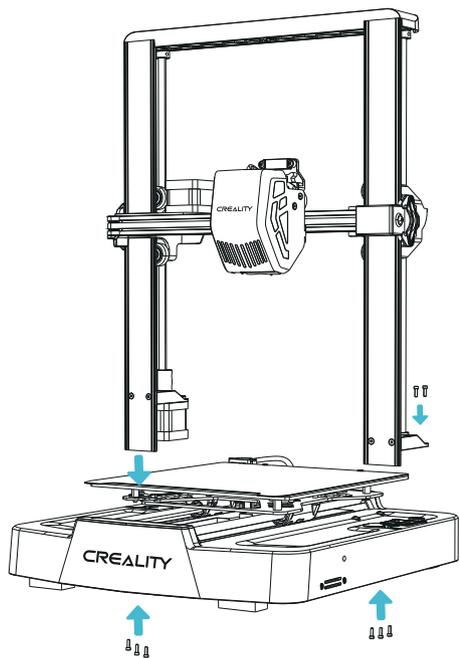
16 Storage card & card reader

Tips: the above accessories are for reference only. Please refer to the physical accessories.

3. Assembly Procedure

3.1 Gantry Frame

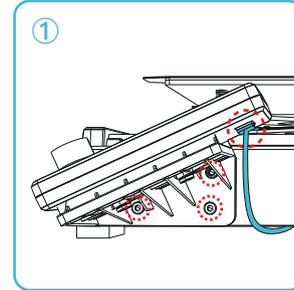
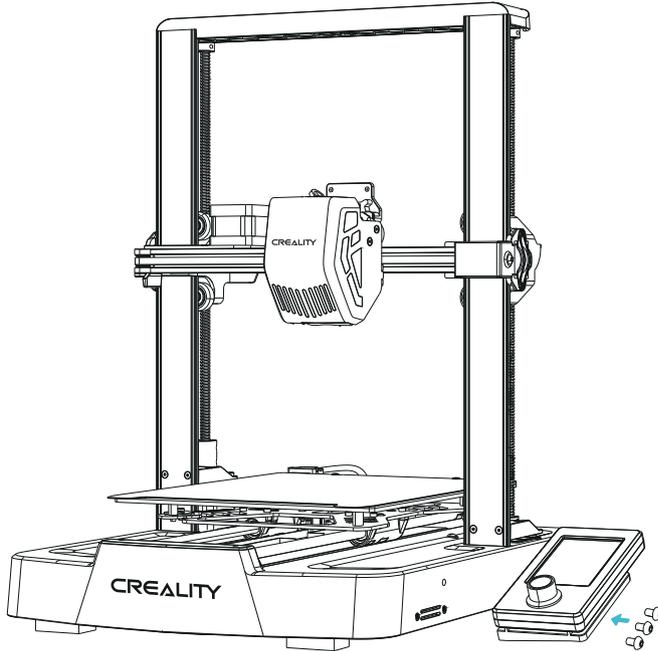
① Place the gantry frame in the slot of the base, tighten it first with M3*14 screws by aligning with the holes from the bottom, then use M3*8 screws to secure it in place from the rear end of the gantry frame in the same way.



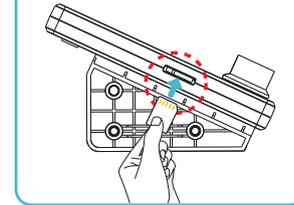
3. Assembly Procedure

3.2 Display Screen

① Put the display screen on the right side of the bottom assembly, align the screw holes and secure with M4*10 screws, then connect the display wiring;



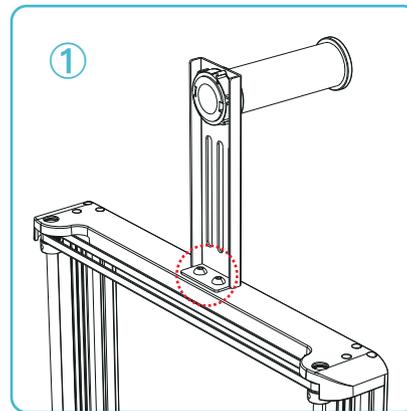
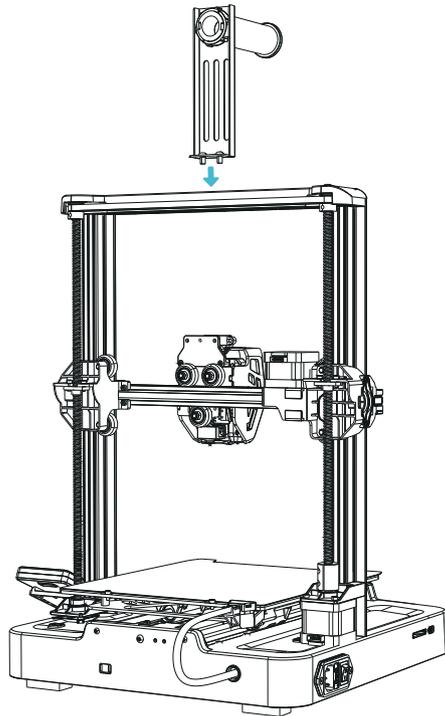
Tip: The card slot on the left side of the display screen is only used for inserting a card to upgrade the screen firmware.



3. Assembly Procedure

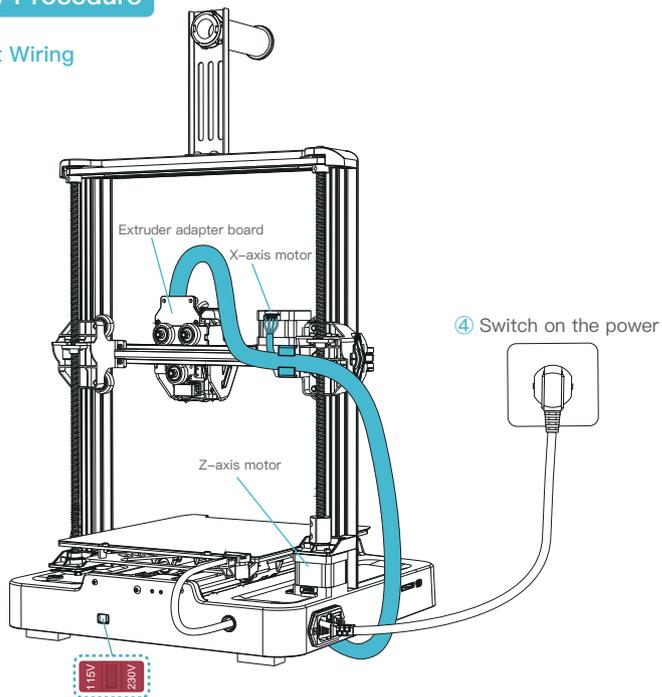
3.3 Material Rack

① Fix the material rack assembly to the gantry frame, align the screw holes and lock it with M5*8 screws;



3. Assembly Procedure

3.4 Equipment Wiring

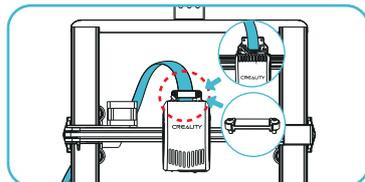


④ Switch on the power

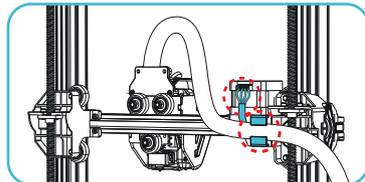


Caution

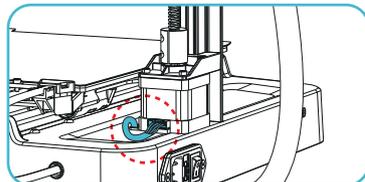
- Please ensure the correct position for the power supply switch and mains before supply connection, in order to avoid damage to the device.
- If the mains between 100V and 120V, please select the 115V for the power supply switch.
- If the mains between 200V and 240V, please select the 230V for the power supply switch (default is 230V).



① First, insert the extruder cable into the extruder adapter board, then secure it with the FFC fixing clip assembly;



② Follow the label instructions to secure the extruder cable into the cable fixing clip before connecting the X-axis motor;



③ Connect the Z-axis motor



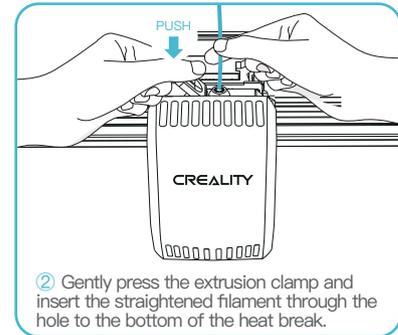
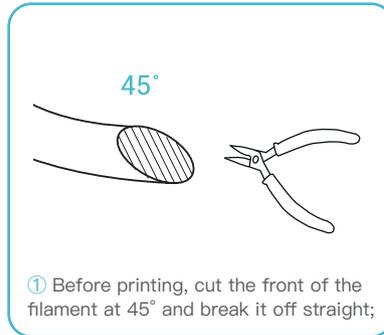
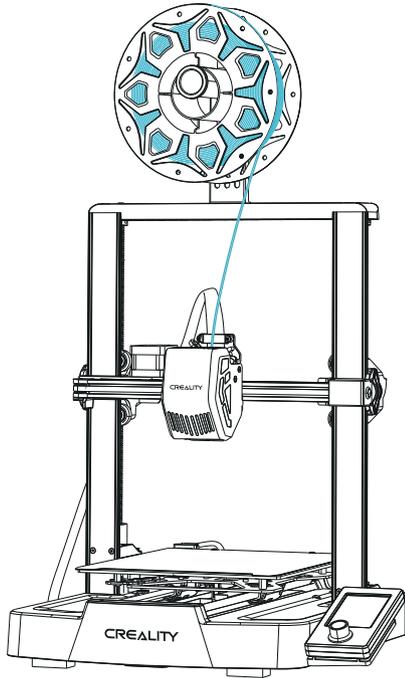
Tips:

Please ensure proper wiring according to the provided diagram and avoid overturning or folding the extruder cable, as it may cause printing abnormalities.

3. Assembly Procedure

3.5 Filament Loading

① Manual loading



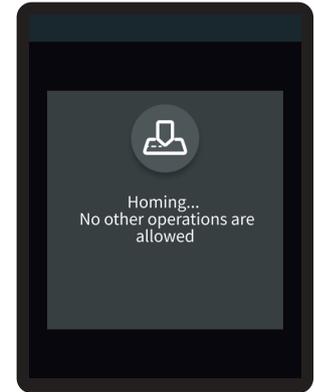
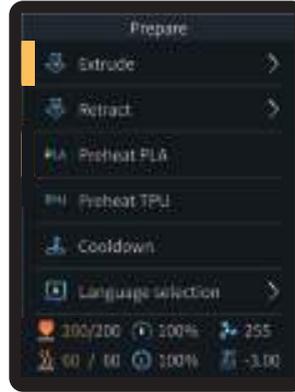
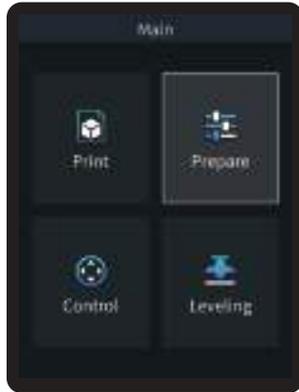
How to Replace the Filament?

Withdraw the filaments quickly and feed the new filaments after the nozzle is preheated and filaments are pushed a little forward.

3.Assembly Procedure

3.5 Filament Loading

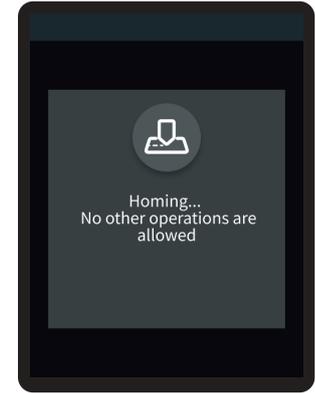
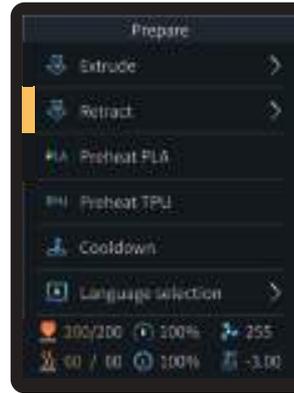
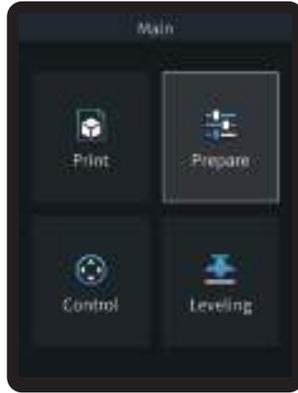
① Auto feed



3.Assembly Procedure

3.5 Filament Loading

② Auto retreat



Tips:
During the retraction process, there may be some extrusion of filaments, which is a normal phenomenon.