To be the Chief Evangelist

Ender-5 Printer Guide Book

To make Top-quality 3D printer

◆ This guide book is for standard Ender-5.
◆ Please plug the power cord into a three-hole power jack.
◆ Detailed instructions for use are available on the TF card.
Dear consumers,

Thank you for choosing our products. For the best experience, please read the instructions before operating the Printer. Our 3D team will always be ready to give you the best service. Please contact us via the phone number or e-mail address provided at the end when you encounter any problem with the Printer.

For a better experience in using our product, you may learn how to use the Printer in the following ways:
1. View the accompanied instructions and videos on the TF card.
2. Visit our official website at www.creality3d.cn You will find relevant software/hardware information, contact details and operation and maintenance instructions on the website.
Notes

1. Do not use the printer any way other than described herein in order to avoid personal injury or property damage.
2. Do not place the printer near any heat source or flammable or explosive objects. We suggest placing it in a well-ventilated, low-dust environment.
3. Do not expose the printer to violent vibration or any unstable environment, as this may cause poor print quality.
4. Before using experimental or exotic filaments, we suggest using standard filaments such as ABS or PLA to calibrate and test the machine.
5. Do not use any other power cable except the one supplied. Always use a grounded three-prong power outlet.
6. Do not touch the nozzle or printing surface during operation as they may be hot. Keep hands away from machine while in use to avoid burns or personal injury.
7. Do not wear gloves or loose clothing when operating the printer. Such cloths may become tangled in the printers moving parts leading to burns, possible bodily injury, or printer damage.
8. When cleaning debris from the printer hotend, always use the provided tools. Do not touch the nozzle directly when heated. This can cause personal injury.
9. Clean the printer frequently. Always turn the power off when cleaning, and wipe with a dry cloth to remove dust, adhered printing plastics or any other material off the frame, guide rails, or wheels. Use glass cleaner or isopropyl alcohol to clean the print surface before every print for consistent results.
10. Children under 10 years of age should not use the printer without supervision.
1. Introduction

1. Hot Bed
2. Leveling screw
3. Power supply
4. Switch
5. SD Slot and USB Port
6. Display
7. Z Stepper
8. Foot pad
9. Spool Holder
10. Extrusion mechanism
11. X Stepper
12. Nozzle Assembly
13. Y Stepper
14. Z Limit Switch
15. Y Limit Switch
16. X Limit Switch
## 2. General List

### Tool List

<table>
<thead>
<tr>
<th>No.</th>
<th>Image</th>
<th>Name</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image1" alt="Wrench &amp; Screw driver" /></td>
<td>Wrench &amp; Screw driver</td>
<td>1set</td>
</tr>
<tr>
<td>2</td>
<td><img src="image2" alt="TF Card &amp; Reader" /></td>
<td>TF Card &amp; Reader</td>
<td>1set</td>
</tr>
<tr>
<td>3</td>
<td><img src="image3" alt="Spatula" /></td>
<td>Spatula</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td><img src="image4" alt="Pliers" /></td>
<td>Pliers</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td><img src="image5" alt="0.4mm Nozzle Cleaner" /></td>
<td>0.4mm Nozzle Cleaner</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td><img src="image6" alt="Power Cable" /></td>
<td>Power Cable</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td><img src="image7" alt="USB Cable" /></td>
<td>USB Cable</td>
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</tr>
<tr>
<td>8</td>
<td><img src="image8" alt="PTEE Tube" /></td>
<td>PTEE Tube</td>
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</tr>
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<td>9</td>
<td><img src="image9" alt="Filament(200)g" /></td>
<td>Filament(200)g</td>
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<tr>
<td>10</td>
<td><img src="image10" alt="Spare Parts" /></td>
<td>Spare Parts</td>
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</tr>
</tbody>
</table>

- A: Top Frame
- B: Z-axis Frame
- C: 2040 Profile 4Pcs
- D: Extruder kit
- E: Filament Holder
- F: Hot Bed
- G: Bottom Frame
- H: Display Screen
3. Assembly Step (1)

- 8pcs M5X25 screws
- 4pcs 2040 Profile
- Bottom Frame

⚠️ Place the profile hole of the side upon, install the profile, but not mess with the direction.
3. Assembly Step (2)

Note: Tighten the four screws on the top, then tighten the side screws.
3. Assembly Step (3)

4pcs M5X25

Note: Align the bottom profile, then tighten the screws.

Z-axis Frame
3. Assembly Step (4)

Hot Bed

M4X10
4pcs
Step 4: Cable Connection

② Plug the power cord into a three-hole power jack.

Nozzle Cable Connection

Bed Cable Connection

*Plug the power cord into a three-hole power jack.*
5. Screen Information

Information Displayed

Print Speed
Model

Set Temperature of the Nozzle
Current Temperature of the Nozzle
Set Temperature of the Hot Bed
Current Temperature of the Hot Bed
Part Cooling Fan Speed
Current Location of the nozzle
Print Time
Print Progress
Prompt Message

Push: OK/Enter Sub Menu
Turn: Change Option/Value

Screen Options

<table>
<thead>
<tr>
<th>Menu</th>
<th>Sub Menu</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>↑ Info Screen ↑</td>
<td>↑ main ↑</td>
<td>Return</td>
</tr>
<tr>
<td>Prepare</td>
<td>Disable Steppers</td>
<td>Moving X Y Z axis by your hands</td>
</tr>
<tr>
<td></td>
<td>Auto Home</td>
<td>return to the origin</td>
</tr>
<tr>
<td></td>
<td>Preheat PLA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Preheat ABS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cooldown</td>
<td>Close and cool down the nozzle</td>
</tr>
<tr>
<td></td>
<td>Move Axis</td>
<td>Moving X Y Z axis or Extruder by given value.</td>
</tr>
<tr>
<td>Control</td>
<td>Temperature</td>
<td>Heat the nozzle and the bed or change fan speed by given value.</td>
</tr>
<tr>
<td></td>
<td>Restore Failsafe</td>
<td>Restore factory setting</td>
</tr>
<tr>
<td>No card</td>
<td></td>
<td></td>
</tr>
<tr>
<td>/Print from SD</td>
<td></td>
<td>Select the printing model</td>
</tr>
<tr>
<td>Init. SD-Card</td>
<td></td>
<td></td>
</tr>
<tr>
<td>/Change SD-Card</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Printting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Speed</td>
<td>Change Printing Speed by given value</td>
<td></td>
</tr>
<tr>
<td>Nozzle</td>
<td>Change the temperature by given value</td>
<td></td>
</tr>
<tr>
<td>Tune</td>
<td>Bed Change the temperature by given value</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fan Speed Change Fan Speed by given value</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Flow Change filament flow by given value</td>
<td></td>
</tr>
<tr>
<td>Pause Print</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stop Print</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
6. Loading Filament

1. Preheat
   Method 1
   - Info screen
   - Main
     - Temperature
     - Motion
     - LCD contrast
     - Restore Failsafe

   Method 2
   - Info screen
   - Control
   - No Card
   - Init, SD-Card
   - Nozzle: 200

2. Feeding
   - Press and hold the extruder lever then insert 1.75mm filament through the small hole of the extruder. Continue feeding until you see filament come out the nozzle.

   Tip: How to Replace the Filament?
   1. Cutting filament near the Extruder and slowly feed new filament until they are fed into the new filament.
   2. Preheating the nozzle and withdraw the filament quickly and feed the new filament.
7. Bed Leveling

1. Prepare → Auto Home. Wait for the nozzle to move to the left/front of the platform.

2. Prepare → Disable Steppers(Close stepper drive, release motor)

3. Move the nozzle the front/left leveling screw and adjust the platform height by turning the knob underneath. Use a piece of A4 paper (standard printer paper) to assist with the adjustment, making sure that the nozzle lightly scratches the paper.

4. Complete the adjustment of the screw on all 4 corners.

5. Repeat above steps 1-2 times if necessary.
8. Software Installation

1. Double click to install the software.

2. Double click to open the software.

3. Select language → Next → Select your machine → Next → Finish.
9. Preparing to Print

1. Slicing
   Insert TF card into computer with Reader.

   - Open the software
   - Load
   - Select the file
   - Wait for slicing to finish, and save the gcode file to TF card.

2. Printing
   Insert the TF card
   → Select Print from TF
   → Select the file.
10. Trouble Shooting

Start
Print from SD-card

Y/N
File is identified

Y
Any random code?

Y
SD card

N
File name

N
Slice

N
XTZ Stepper

N
limit switch

N
hot bed

N
Thermistor

N
Heat pipe

N
Thermistor

N
Slice/Timing belt

N
Coupling

N
Other

N
Filament

N
E stepper

N
End

Y
Move?

Y
Pass origina

Y
heat bed

N
Bed is heated?

N
Temperature is normal

N
heat nozzle

N
Nozzle is heated?

N
Temperature is normal

N
Print

N
misaligned

N
Spray?

N
E stepper rotated?

N
Feeding roller uncontrol

N
Filament is normal

N
End

N
Resolved

damaged & contact for replacement

The fault cannot be identified, contact to resolved
11. Circuit Wiring Diagram