This User Manual is for standard CR-10S Pro. Please plug the power cord into a three-hole power jack. Detailed instructions for use are available on the TF card.
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 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 printer’s 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.
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.
01/

Introduction

1. X Limit Switch
2. Nozzle Kit
3. Hot Bed
4. Touch Screen
5. TF slot & USB Port
6. Z-axis Motor (Z2)
7. Coupling (Z2)
8. Power Switch & Socket
9. Filament Holder
10. Y Limit Switch
11. Z-axis Motor (Z1)
12. Coupling (Z1)
13. XL Bed-leveling Nut
14. Extruder (E) Motor
15. Filament Detector
16. X-axis Motor

Parameters

<table>
<thead>
<tr>
<th>Model</th>
<th>CR-10S Pro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printing Size</td>
<td>300<em>300</em>400mm</td>
</tr>
<tr>
<td>Molding Tech.</td>
<td>FDM</td>
</tr>
<tr>
<td>Nozzle Number</td>
<td>1</td>
</tr>
<tr>
<td>Slice Thickness</td>
<td>0.1mm-0.4mm</td>
</tr>
<tr>
<td>Nozzle Diameter</td>
<td>Standard 0.4mm</td>
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<tr>
<td>Precision</td>
<td>±0.1mm</td>
</tr>
<tr>
<td>Filament</td>
<td>φ1.75mm PLA</td>
</tr>
<tr>
<td>File Format</td>
<td>STL/OBJ/AMF</td>
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<tr>
<td>Working Mode</td>
<td>Online or TF Card Offline</td>
</tr>
<tr>
<td>Slice Software</td>
<td>Cura/Repetier-Host/Simplify3D</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Input:AC 100–240V 50/60Hz Output:DC 24V</td>
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<tr>
<td>Total Power</td>
<td>480W</td>
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<tr>
<td>Bed Temp.</td>
<td>≤100°C</td>
</tr>
<tr>
<td>Nozzle Temp.</td>
<td>≤250°C</td>
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<tr>
<td>Resume Print</td>
<td>Yes</td>
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<tr>
<td>Filament Detector</td>
<td>Yes</td>
</tr>
<tr>
<td>Dual Z-Axis</td>
<td>Yes</td>
</tr>
<tr>
<td>Auto Leveling</td>
<td>Yes</td>
</tr>
<tr>
<td>language Selection</td>
<td>EN/CN</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows XP/Vista/7/8/10 MAC/Linux</td>
</tr>
<tr>
<td>Printing Speed</td>
<td>≤180mm/s, Normal 30–60mm/s</td>
</tr>
</tbody>
</table>
02/

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></td>
<td>Wrench &amp; Screw driver</td>
<td>1set</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>TF Card &amp; Reader</td>
<td>1set</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Spatula</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Pliers</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>0.4mm Nozzle Cleaner</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Filament Holder Bracket</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Filament Holder Tube</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Filament Holder Tube Nuts</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Power Cable</td>
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<td>10</td>
<td></td>
<td>USB Cable</td>
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<tr>
<td>11</td>
<td></td>
<td>PTFE Tube</td>
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<tr>
<td>12</td>
<td></td>
<td>X–Axis Spacer</td>
<td>1</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Feeler</td>
<td>1</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>Spare Parts</td>
<td>1set</td>
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<tr>
<td>15</td>
<td></td>
<td>M5X25 black Hex–Bolt and Lock Washer</td>
<td>4set</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>M4X8 Screw and M4 T–nut</td>
<td>2set</td>
</tr>
</tbody>
</table>

Gantry Frame

Base Frame

Tool Box

Filament (200g)
03/

Device Installation

◆ Gantry Frame Installation

◆ Filament Holder Installation

◆ X-axis adjustment

- **Gantry Frame Installation**
  - M5x25: 4pcs
  - X-Axis Spacer: 4pcs
  - M4: 2pcs
  - M4x8: 2pcs

- **Filament Holder Installation**
  - M5x25: 4pcs
  - X-Axis Spacer: 4pcs
  - M4: 2pcs
  - M4x8 & T-nut: 2pcs

- **X-axis adjustment**
  - M5x25: 4pcs
  - 100mm
*Plug the power cord into a three-hole power jack.
### Screen Information

#### Main Menu
- Automatic
- Manual
- Cooling
- Fan
- Levelling
- Refuel
- Moving
- Motor
- Printer info
- Language

#### Sub Menu
- Choose to Print

#### Explanation
- **Print**
- **Temp**
- **Settings**

<table>
<thead>
<tr>
<th>Main Menu</th>
<th>Sub Menu</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set temperature of the Hot Bed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Set temperature of the Nozzle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current temperature of Nozzle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current temperature of the Hot Bed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refuel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moving</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Printer info</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### TF card
- Selected file
- Adjust
- PLA\ABS (195° to 240°)

#### Temp
- Automatic
- Manual
- Nozzle preheat
- Hot-bed preheat
- Cooling
- Cool down? Yes\No
- Fan
- Turn on\Shut down

#### Setting
- Levelling
- AUX leveling
- AUTO leveling
- Please click numbers to assist levelling (①~⑤)
- Auto leveling, please wait...
- Check level (Measurement parameters)
- Refuel
- Withdraw
- Feed
- Moving
- X-axis
- Y-axis
- Z-axis
- Z home
- Motor off
- yes\no
- Language
- English\Chinese
- Printer info
- Machine type, Firmware version, Printing size, website

### Stop
- Pause/Continue

### Print speed
- Nozzle temp.
- Hot-bed temp
- Z offset

### Fan
- Turn on\Shut down
Press and hold the extruder lever and insert the 1.75mm filament through the filament detector and through the extruder motor. Continue feeding until you see filament extrude from the nozzle.

Replacing Filament During Printing:

1. Cutting the previous filament near the extruder and slowly feed new filament through the filament sensor and extruder, until the new filament is fed into the PTFE tube. (Or)
2. Preheat the nozzle and withdraw the used filament. Feed the new filament as pictured above.
3. 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 presses on the paper.
4. Complete the adjustment on all 4 corners.
5. Click the number ① to test the platform height in the middle.
6. Repeat above steps one or two times if necessary.
1. In “Settings” → “Leveling mode” → Place the .2mm feeler gauge between the nozzle and the hot bed → If the gap is too thin or too large, click "Z+" or "Z-" on the interface to adjust the gap to slightly more than 0.2 mm (the distance between the nozzle and the hot bed should be about 0.2mm). At 0.2 mm the feeler can easily pass through the gap between the nozzle and the printing platform.

2. To adjust position of the auto-level sensor, turn the sensor clockwise to lower it and counter-clockwise to raise it.

3. If the LED is lit, raise the auto-level sensor by turning it counter clockwise.

4. The slowly turn the sensor clockwise until you see the LED light up again.

*When using the auto level feature on the CR-10S Pro, we suggest adding a raft from the build plate adhesion section in software settings.
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.
First Printing

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. Print
Insert the TF card → Print → Select Model → Print
Circuit Wiring

- Y axis motor
- Z axis motor 1
- Z axis motor 2
- Touch screen port 1
- Touch screen port 2
- Hot bed power input
- Power input
- Uncontrollable fan
- Bed thermistor
- 30PIN Cable port
- TF Card
- Y Limit switch
- Mini usb port
- EXP1
- 12864 Screen port
- EXP2
- Reserved port
After-Sales Service

Service
1. The printer can be returned within seven days, 15 days replacement, one year warranty, lifetime maintenance.

Replacement Requirement
1. The appearance of the product is intact, without damage, scratches, smudges, cracks, deformation, etc.;
2. Machine parts, tools and others are complete;
3. Provide a complete and valid purchase invoice and warranty, product number should be the same.

Warranty Coverage
1. The following accessories are not included in the warranty coverage if they are not damaged by transportation: platform sticker; platform forming plate; acrylic cover; card reader and TF card; platform glass; USB cable; filament; rack and tools, etc.
2. Profile: Before we deliver the goods, we will do the machine test, so maybe there will be light scratch, or due to long-distance transportation, which scratch the profile a little bit. in the premise of not affecting the normal use, in principle, not within the scope of warranty;
3. Nozzle assembly (nozzle, heating block, throat pipe, heat sink, Teflon tube, etc.) warranty period is 3 months, if it is damage after the warranty expires, you need to purchase another one;
4. Motherboard, LCD display, power supply, hot bed, warranty period is 12 months, if there are quality problems, you can get free maintenance; over the warranty period, can be sent back to the original factory maintenance, the users need to bear the return shipping and maintenance costs;
5. Not included in warranty coverage:
   (1) It is not possible to provide an effective after-sales service card or serial number;
   (2) The whole machine and components exceed the warranty period;
   (3) Equipment failure or damage caused by unauthorized modification of the equipment (private modification includes: 1. modification of the nozzle assembly; 2. modification of the machine structure; 3. use of third-party components; 4. use of third-party firmware procedures or change the original Factory firmware program, etc.);
   (4) Equipment failure or damage due to incorrect installation and use;
   (5) Equipment failure or damage caused by the use of the equipment in a working environment not specified by the product;
   (6) Equipment failure or damage due improper use (beyond workload, etc.) or maintenance (moisture, etc.);
   (7) Equipment failure or damage due to the use of other branded components or low quality consumables.