



## CR-100 3D Printer User Manual



- ◆ This User Manual is for the CR-100 3D printers.
- ◆ Due to the hardware and software upgrade, the devices have little difference, it is normal phenomenon. Subject to actual device received.
- ◆ Detailed instructions for using are available on the TF card.

# CONSIDERATIONS

## 使用须知

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. It is suggestion to use the manufacturer's recommended filament to avoid blockage of the extrusion and damage to the Printer.
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.

### Falilment

- The temperature of the nozzle when printing is 200°C, Users can use Creality PLA 3D filament.
- We do not guarantee the printing quality and tempreature of filament that is from others
- If you use the filament from others to make the printer do not work or the blockage of nozzle , we have the right to refuse to provide warranty services
- After opening the filament, please store them in a dry environment with room temperature,and use them within one month.
- If the filament is stored for a long time, it will be damp and couse to bubbling in printing process,that may affect the quality of the model.

# CONTENTS

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:

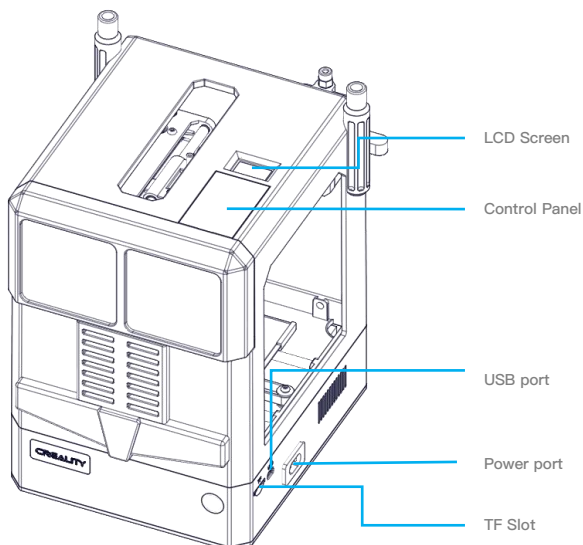
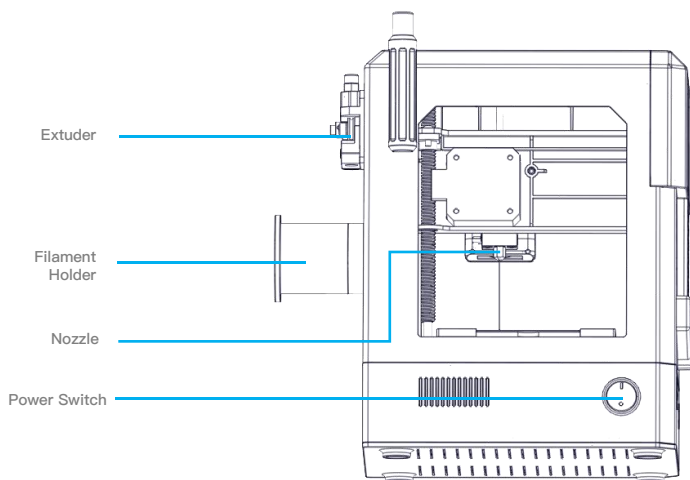
View the accompanied instructions and videos on the TF card.

Visit our official website at [www.creality3d.cn](http://www.creality3d.cn) You will find relevant software/hardware information, contact details and operation and maintenance instructions on the website.

Introduction.....	1
General List.....	2
Operational Information .....	3
EQUIPMENT INSTALLTION.....	4
LOAD FILAMENT.....	5
FIRST PRINT.....	6
SOFTWARE INSTALLATION.....	7
SLICE.....	8
EQUIPMENT CALIBRATION.....	9
ONLINE PRINT.....	10
Circuit Wiring.....	11

# 01/

## INTRODUCTION



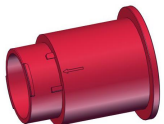
Model Name	CR-100
Molding Tech.	FDM
Molding Size	96*96*80mm
Print Speed	≤180mm/s, Normal 30–60MM/S
Print Precision	±0.1mm
Print Layer Thickness	0.1–0.4mm
Nozzle Diameter	0.4mm
Nozzle Temp.	200℃
Printing Method	Online of TF offline
File Format	stl, obj, amf
Slicing Software	Creality Slicer, Cura, Simplify3D
power supply	Input:100–240V AC 1.2A 50/60Hz Output:DC 12V 5.0A
Rated Power	60W
Filament	φ1.75mm PLA

# 02/

General List



Host



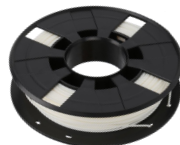
Filament Holder



Power Cable



TF Card&Card Read



Filament (200g)



Remote

## 03/

### Operational Information



I: Power on  
O: Power off

Power Switch



LCD display



Remote



Control Panel

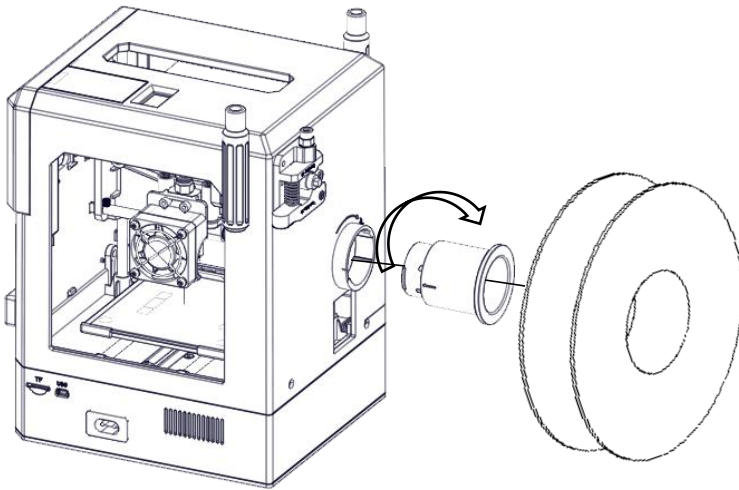
Start: Start to print  
Pause: Pause to print

Home: Return to zero

Heat: Heat the temperature of nozzle to 200°C  
Cool: Cool the temperature of nozzle

# 04/

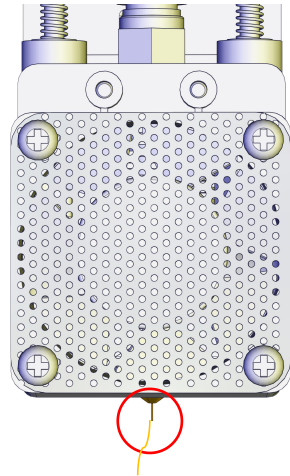
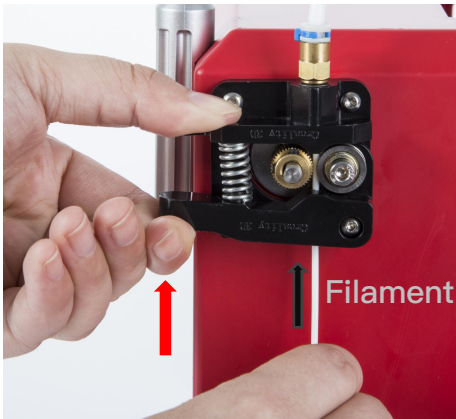
## EQUIPMENT INSTALLTION




- 1、 Insert the filament holder in the mounting hole and turn it right to lock it.
- 2、 Putting the filament to the holder.
- 3、 Plugging the power cable into the power port

## 05/

### LOAD FILAMENT



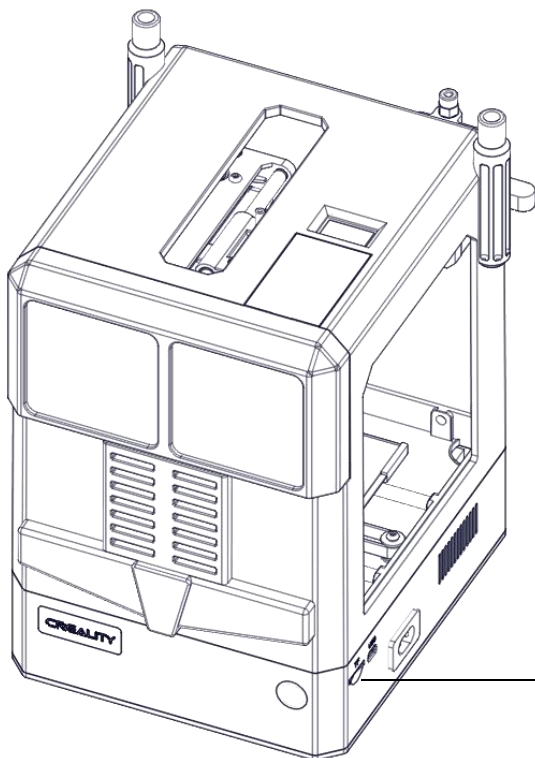
1. Pressing  to heat, waiting the temperature of nozzle to arrive 200°C.
2. Pressing the extrusion clamp, pass the filament through the extruder and PTFE tube into the nozzle, until the filament overflow

\*After heating, Press the extrusion clamp, pull out the filament to remove.



# 06/

FIRST PRINT



TF

Insert the TF Card to the TF slot of printer.

Pressing  to print model

**\*It only will print the first Gcode model file in TF card**

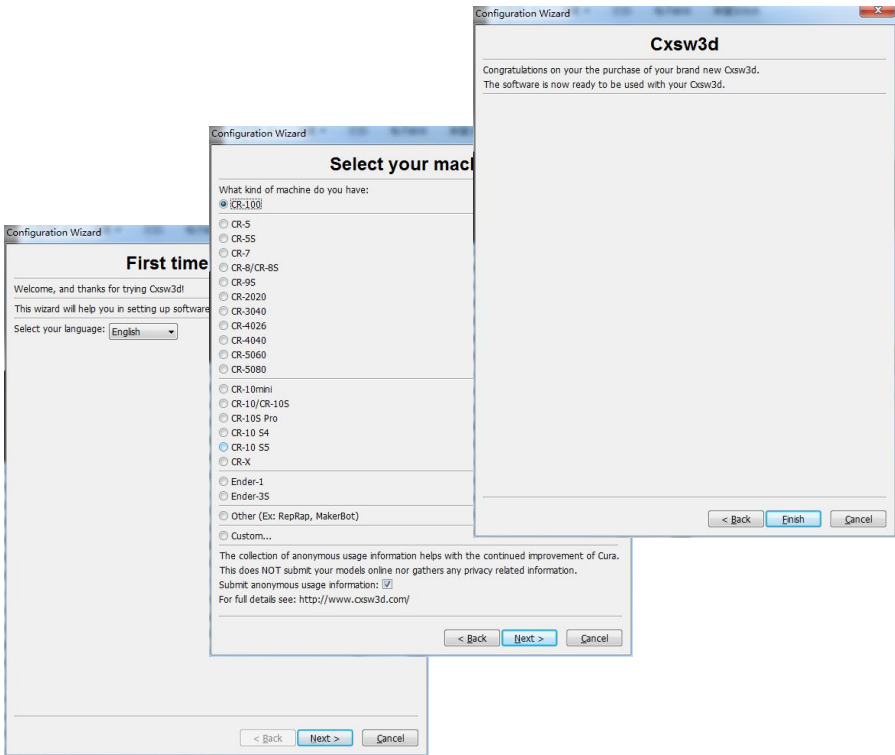
## 07/ SOFTWARE INSTALLATION



1、Install Software



2、Open Software



3、Select language→Next→Select your machine→Next→Finish

# 08/

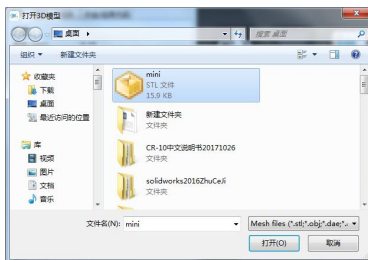
SLICE



1、Open Creality Slicer



2、Load the model



3、Choose the model file you want to print

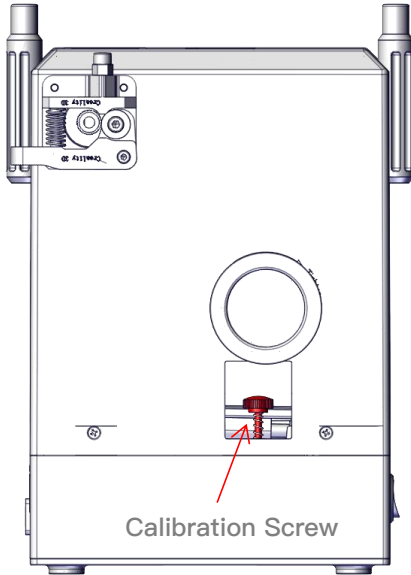


4、After slicing, save the gcode file to TF card

**\*切片模型的名字需为拉丁字母或数字不能为中文或其他特殊符号后缀。**

# 09/

## EQUIPMENT CALIBRATION



If there is A or C problem when printing, we can adjust the calibration screw on the back of the printer, one turn is 0.5mm. the best space of the nozzle from the platform is 0.2mm, we can use one A4 paper for auxiliary calibration. when the nozzle just scratches on the paper as it moves, it is good



**A:** The nozzle is too far away from the platform, so the filament can not adhere to the platform.

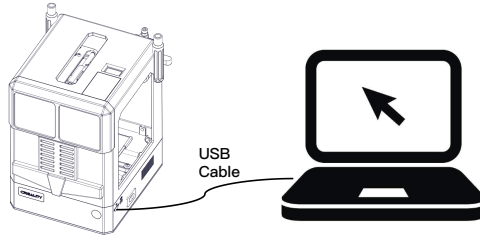


**B:** Filament are extruded evenly, just sticking on the platform.

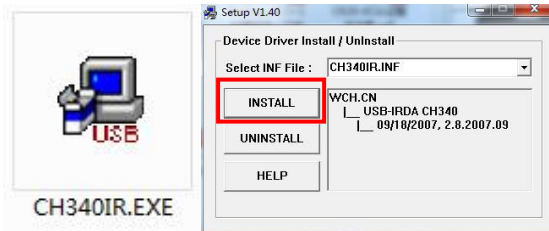


**C:** The nozzle is too close to the platform, and the filament are not extruded enough, even scraping the platform.

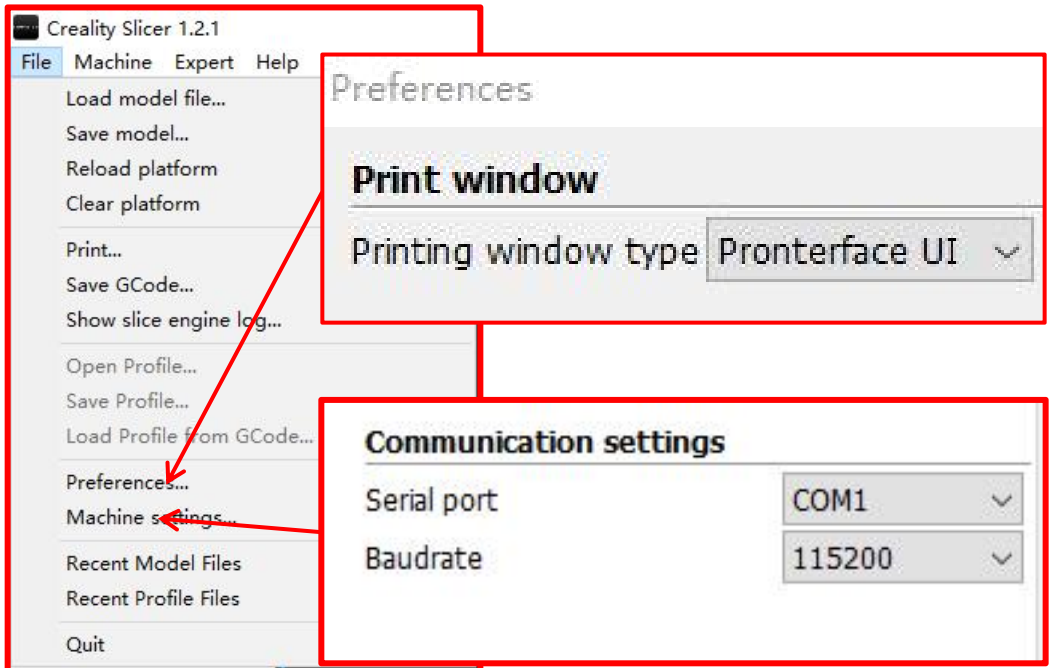
10/

ONLINE  
PRINT

## 1、Connecting Printer with the PC



## 2、Install CH340 Drive



3、Preferences...→Print window type→Pronterface UI

4、Machine settings...→Serial Port (It is max one normally ), Baudrate 115200

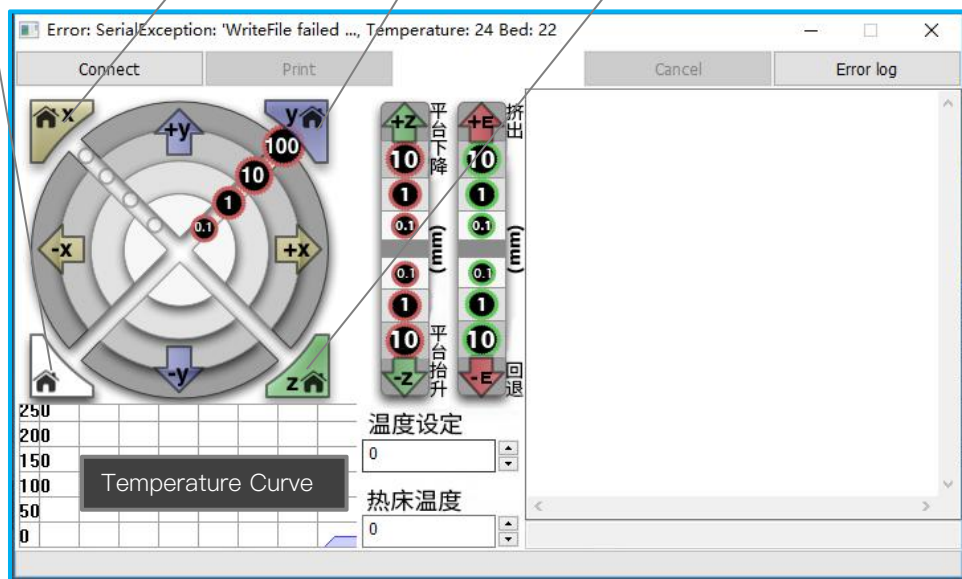


1、Load the model



2、Print with USB

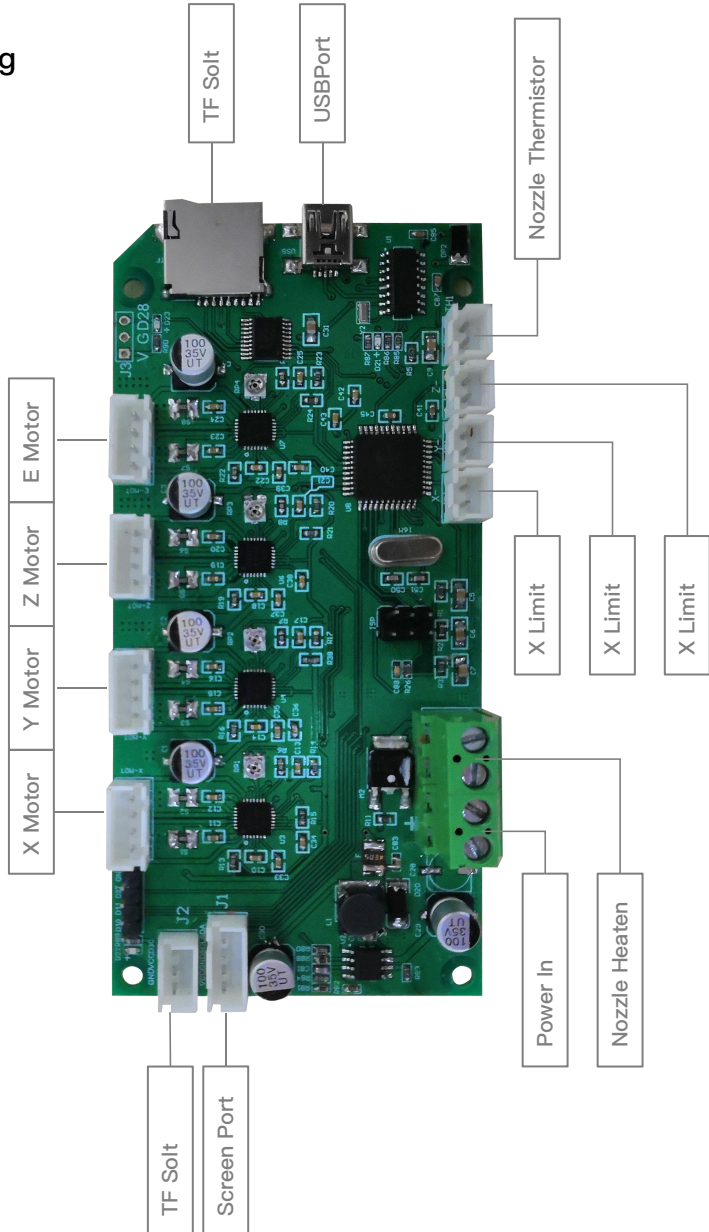
X,Y,Z Zero      X-axis Zero      Y-axis Zero      Z-axis Zero



3、Click “Connect”, After successful,we can click “Print”

# 11/

## Circuit Wiring



# 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 test machine, 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, PTFE tube, etc.) warranty period is 3 months, if they are damaged 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 fee 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 to 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.





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