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CREALITY CR-10 S4 Large Format 3D Printer User Guide

CREALITY

Contents

CREALITY CR-10 S4 Large Format 3D Printer User Guide

This guide is for the CR- 10 Series of 3D printers. It is also applicable for the CR-I OS/CR-IO S4/CR-lO SS. Among them, CR-I() mini without T -Bracket (Right) & Decoration Strip.

Due to the different types of device in the hardware and software upgrade industry. the products are slightly different and it is a noemal phenomenon. Subject to actual product received.

Detailed instructions for use are available on the SD card.

Notes

1. Do not use the Printer in any other way than described herein to avoid personal injury or property damage.
2. Do not place the Printer near flammables, explosives or heat sources. It is best to place it in a well- ventilated, low-dust environment.
3. Do not expose the Printer to violent vibration or any unstable environment. This will cause poor print quality.
4. The filaments recommended by the manufacturer are preferred as to avoid clogging in the extrusion head or Printer damage.
5. Do not use any other power cable except the one supplied. Use a grounded three-prong power outlet.
6. Do not touch the nozzle or hot bed during printing. 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. Preventing the movable parts from being involved in the squeeze or cutting injury to hunman boday or printer damage.
8. Clean off filament from the nozzle tip with the provided pliers before the nozzle cools. Do not touch the nozzle directly. This can cause personal injury.
9. Clean the Printer frequently. With the machine powered off, c lean the printer body with a dry cloth to remove dust, adhered printing materials and foreign objects on guide rails. 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.
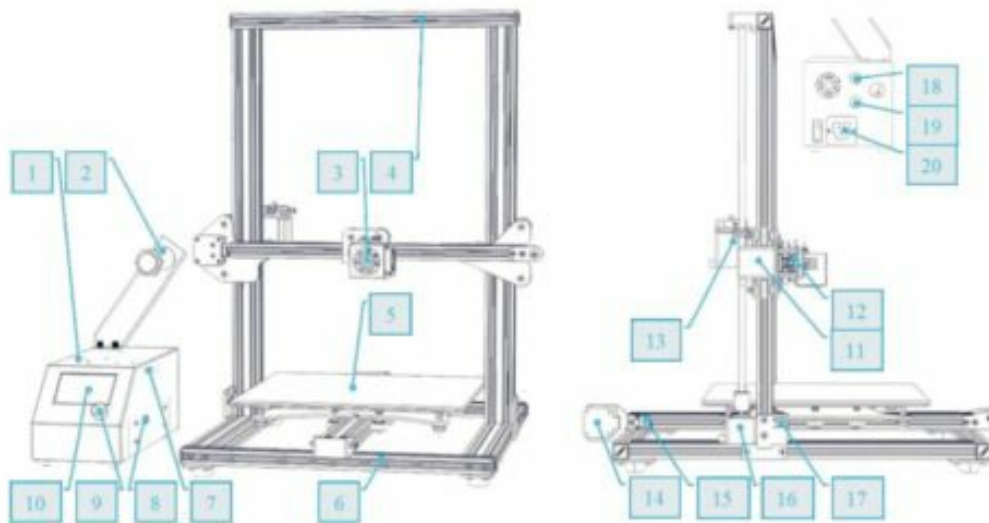
Preface

Dear consumers,

Thank you for choosing our products. For the best experience, please read the instructions before operating the Printer. Our 31) team is always ready to provide you with assistance. 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:
l. View the a ceolnpanied instructions and videos on the SD card.
2. Visit our official website at www.crealitv3d.cn. You will find relevant software/Hardware information, contact details and operation and Maintenance instructions on the website.

1. Introduction

1. Control Box	6. Base Frame	11. X Stepper	16. Z Stepper
2. Spool Holder	7. SD Slot and USB Port	12. X Limit Switch	17. Z Limit Switch
3. Nozzle Assembly	8. Voltage Selection	13. Extruder (E) Stepper	18. Nozzle Assembly Connection
4. Z Gantry Frame	9. Control Knob	14. Y Stepper	19. Hot Bed Connection
5. Print Surface	10. Display Screen	15. Y Limit Switch	20. Power Cable Connection

2. General List

Base Frame Gantry Frame Control Box Tool Kit

Tool List

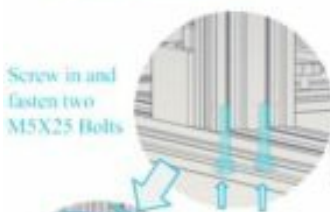| No.			No.	Image	Name	Qty	No.	Image	Name	Qty
1		Spool Holder w/ Nuts	1	7	M5X25 Bolt and Lock Washer	4 sets	13		Scraper	1
2		Spool Holder Bracket	1	8	Power Cable	1	14		Diagonal Pliers	1
3		Sample Filament (200g)	1	9	USB Cable	1	15		Hex keys, Wrench and Screwdriver	1 set
4		Thumb Screws	3	10	SD Card and Card Reader	1	16		Cable Ties	1 bundle
5		T-Bracket (Right)	1	11	PTFE Tubing (spare part)	1	17		Spare Parts	1
6		T-Bracket and Z Limit Switch (Left)	1	12	Nozzle Cleaner	1	18		Decorative Trim	1

3. Device Installation

Install the Gantry Frame

Attach the Z Couplers
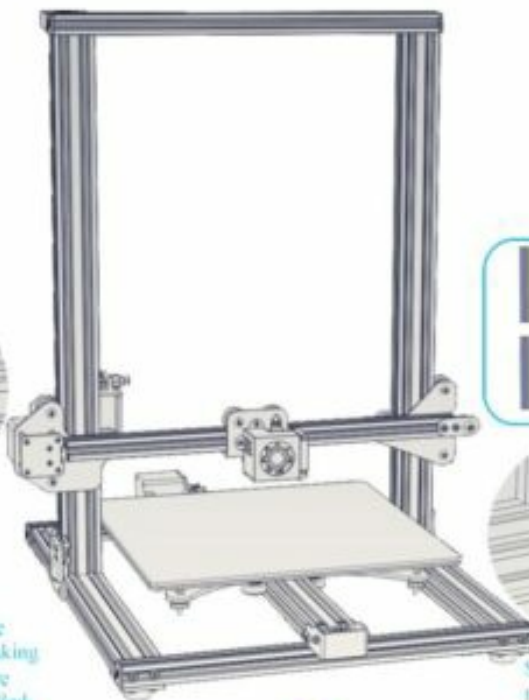
Insert the Teflon pipe into the quick connector

Note: Make sure that the nut for profile has been turned by 90° before fastening the T-shaped fixing block.

Screw in and fasten two M5X25 Bolts

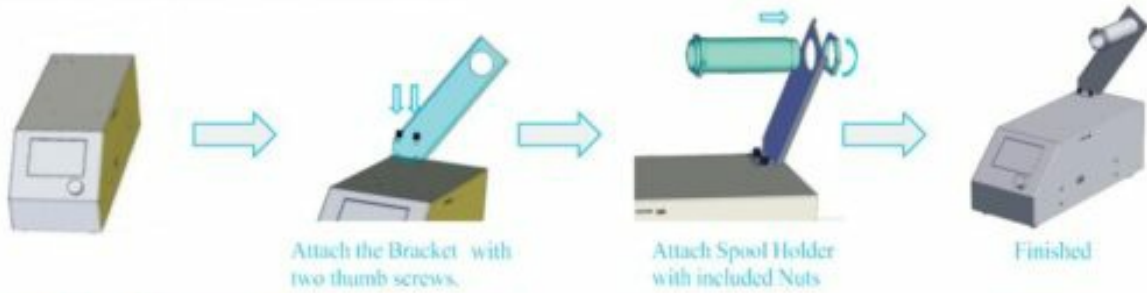Install left side T-Bracket, making sure T-Nuts are properly installed.

Screw in and fasten two M5X25 Bolts

Install right side

◆ Install the Spool Holder and Bracket

Attach the Bracket with two thumb screws.

Attach Spool Holder with included Nuts

Finished

◆ Install the Decorative Trim

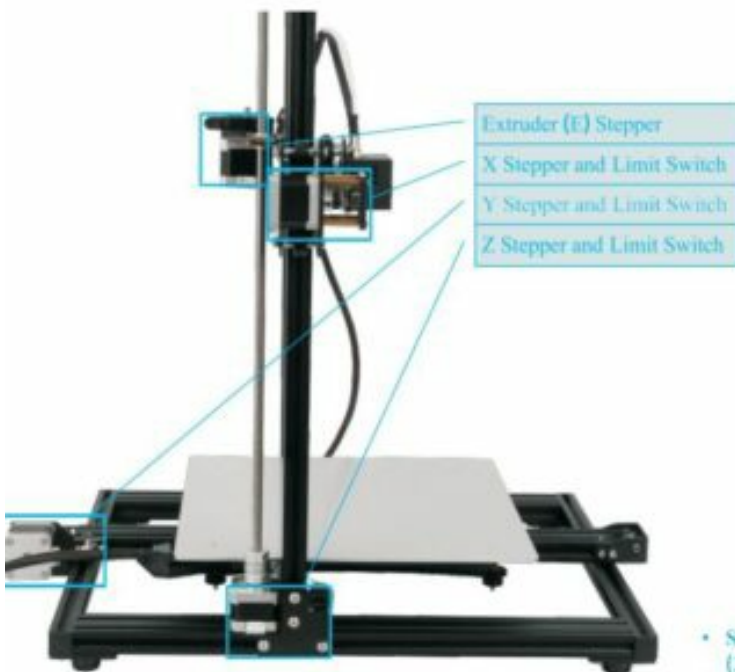Install the Decorative Trim into the notch, starting from one end.

Cut off the excess material with the diagonal pliers

Attach the Decorative Trim to all parts needing to be decorated.

* The Decorative Trim is available in various colors. The pictures above are for reference only.
* CR-10 mini without Decoration Strip.

◆ cable connection

Connect the Stepper Motors according to the yellow labels on the 6pin (4-wire) side.

Connect the Limit Switches according to the yellow labels on the 3pin (2-wire) side.

Extruder (E) Stepper
X Stepper and Limit Switch
Y Stepper and Limit Switch
Z Stepper and Limit Switch

Connect the aviation connectors to the ports with corresponding pins

Now your 3D printer is assembled!

* Select the correct input voltage to match your local mains (220V or 110V)
* Damage can occur if voltage is set incorrectly
* Make sure the power cable is connected.

4. Screen Information

Information Displayed

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

Print speed

Device 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

```
CR-10 200°   30°
300   👃  <<<  ✛
       37°   34°    1%
X:000.0 Y:000.0 Z:+000.0
F_R 100%  📄      00:01
Heating...
```

Screen Options

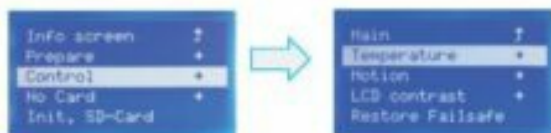| Menu	Sub Menu	Explanation
[Info Screen]	[main]	Return
Prepare→	Disable Steppers	Moving X Y Z axis by your hands
	Auto Home	return to the origin
	Preheat PLA	
	Preheat ABS	
	Cooldown	Close and cooldown the nozzle
	Move Axis→	Moving X Y Z axis or Extruder by given value.
Control→	Temperature→	Heat the nozzle and the bed or change fan speed by given value
	Restore Failsafe	Restore factory setting
No card /Print from SD		Select the printing model
Init. SD-Card /Change SD-Card		download or update the memory card information
	Pringting	
Tune→	Speed	Change Printing Speed by given value
	Nozzle	Change the temperature by given value
	Bed	Change the temperature by given value
	Fan Speed	Change Fan Speed by given value
	Flow	Change filament flow by given value
Pause Print		
Stop Print		

5. Loading Filament

1. Preheat
Method 1

Method 2

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.

6. Bed Leveling

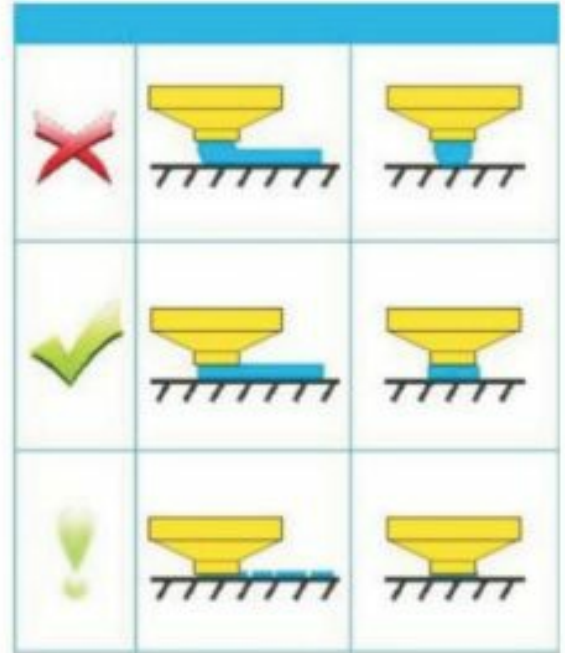1. Prepare →Auto Home. Wait for the nozzle to move to the left/front of the platform.

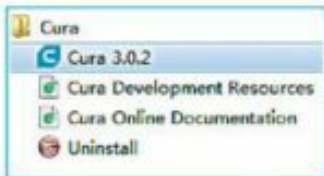2. Prepare→Disable Steppers(Close stepper drive，release motor)

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.
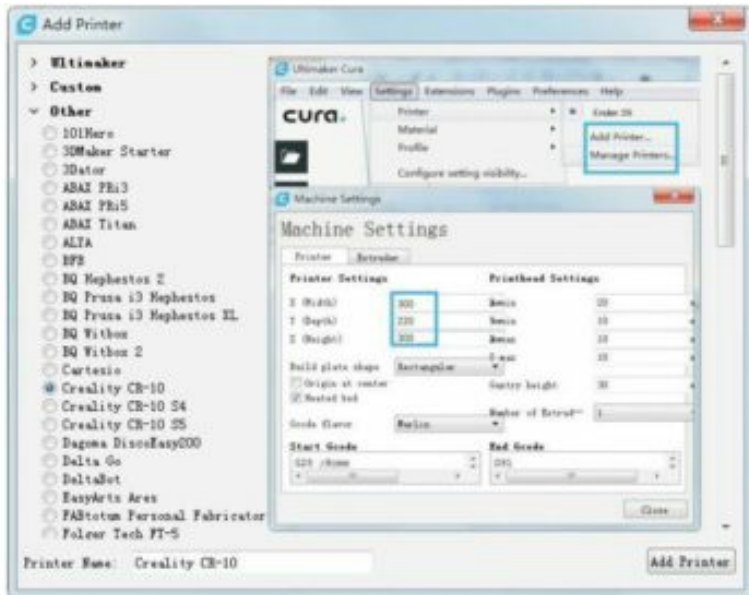5. Repeat above steps 1-2 times if necessary.

7. Software Installation

1 Double click the Cura icon to install the Cura Slicing Software.

2. Start Cura 3.0.2 from the Start Menu.

3 Select Other→Creality CR-10→Add Printer.

4. If your machine model is CR-10Mini,Please select setting→printer→manage printer and modify the printer settings to (300,220,300)
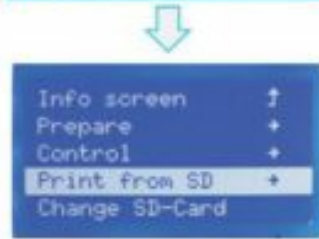
8. For the first Printing

1. Slicing

Insert SD card into computer with Reader.

1. Open file
2. Select file
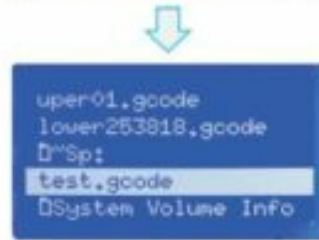3. Open
4. Save to SD Card

2. Printing
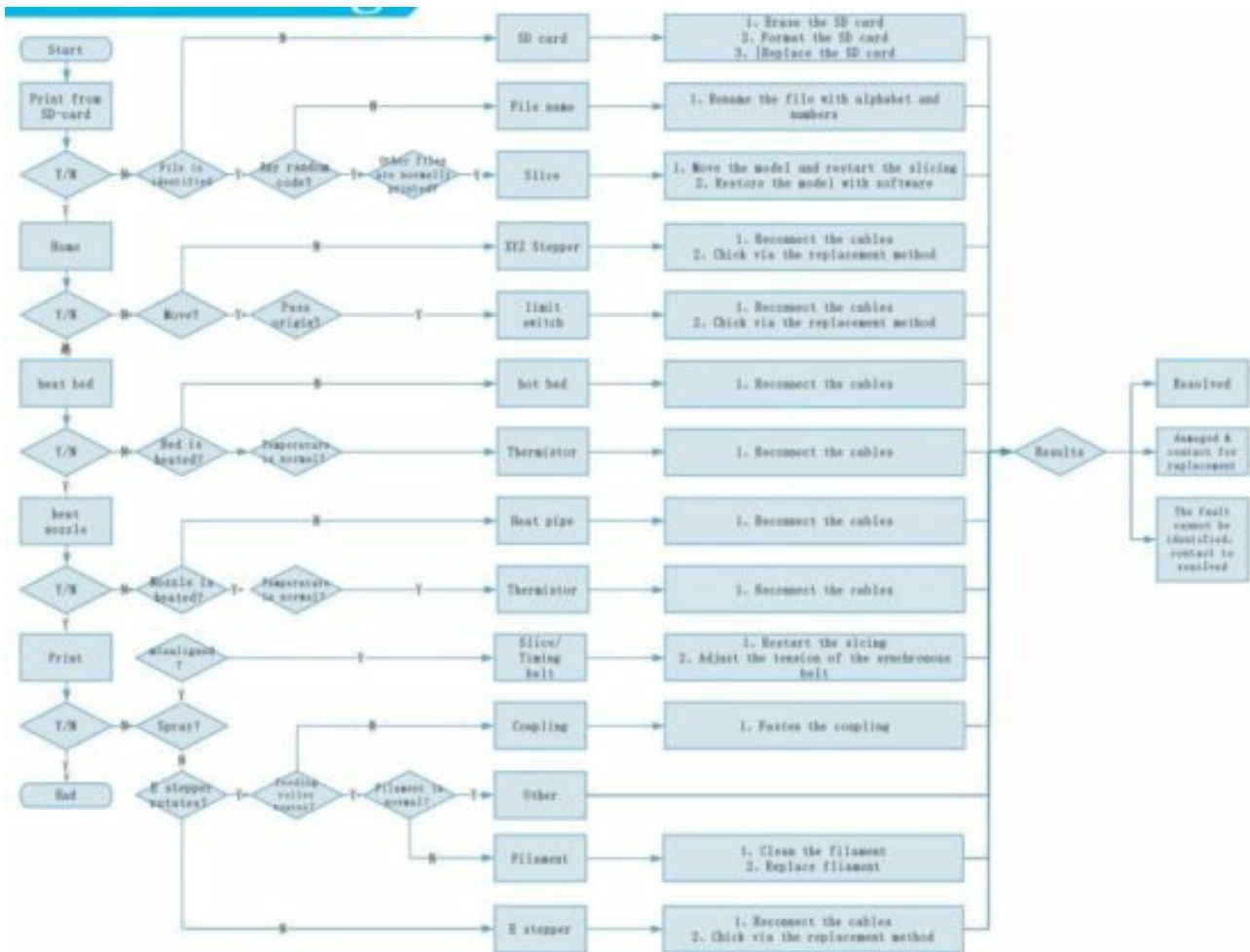

Insert the SD card

Select "Print from SD"

Select the file to be printed

9. Trouble shooting

10. After- Sales Service

After-Sales Service Terms

1. We provide a 12-month 'warranty/ on 3D) printers (excluding the nozzle assembly) purchased on or after January I, 7 and a 3-nnonth warranty on the nozzle assembly thereof. Products purchased before January I, 2017 whose warranty periods have not expired are subject to the original warranty terms.
2. The warranty period of each product starts from the date of production. Any product with renewed warranty period is subject to the renewed warranty terms.
3. Within the warranty period, we will provide free accessories to replace those damaged during the operation in accordance with the instructions use which are not caused by user negligence (determined by our professional assessment).
4. We will continue to provide warranty services tar any product having been repaired as long as its warranty period has not expired.
5. In case of any problem, you may find the solutions in the instructions for use or search for the solutions on Our Official website or contact us via phone or email.
6. We provide free remote technical support every consumer during the service lilt' of the product. You may request solutions from our alter-sales team via phone or email within working hours. For any request submitted beyond the normal working hours, we will reply as soon as possible. warranty service. Otherwise , warranty services may be refused.
7. We are entitled to refuse warranty claims for any fault or damage due to failure to follow instructions for use, including but not including to (i) unauthorized modification; (ii) incorrect installation or use: (iii) use of any third-party component: (iv) use of any non-specified software; (v) use of low-quality filament; (vi) use under non-specified environment; and (vii) misuse (overload) or improper maintenance (corrosion or oxidation).
8. We are entitled to refuse to provide warranty services for any fault or damage due to force majeure, including but not limited to fire, earthquake, lightning stroke, flood, violent conflict,
9. We provide after-sales services between 8:30 and 2 1 every day from Monday to Saturday, except official holidays.

After-sales Service Card

Product Name:_____ Purchase Date:_____

S/N No.:_____ Purchased Channel:_____

Fault description:_____

_____

_____

_____

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_____

_____

_____

_____

_____

User Name:_____

User Tel:_____

User Email:_____

Return Address:_____

_____

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Shenzhen Creality 3D Technology CO.,LTD.
After Sales Service Tel: 400-6133 882
Official Website: **www.creality3d.cn**
Company Address :
12F, Building No.3,JinchengyuanIndustrial Area, HuafanRoad,
Dalang, Longhua, Shenzhen, Guangdong Province

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CREALITY CR-10 Series 3D Printer Guide Book	**CREALITY CR-10 S4 Large Format 3D Printer** [pdf] User Guide CR-10 S4 Large Format 3D Printer, CR-10 S4, Large Format 3D Printer, Format 3D Printer, 3D Printer

References

- **User Manual**