CreatBot F430 NX Professional Desktop 3D Printer User Manual

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Notice

Read First

Thank you for choosing Creat Bot 3D printer!
This manual contains important information about the installation, use, maintenance and common problems of Creat Bot 3D printer. Please read this manual carefully before using 3D printer.
All losses caused by the breach of the notes and the notes and the operation process of the operation process will be borne by the user. Please use the filament provided by Creat Bot, or high quality filament by third manufacturers. Due to the use of third party inferior material caused by the failure of the printer, the loss will be borne by the user. Software running environment, 2G or above processors, at least 1G memory, compatible with Windows, MAC, please use memory as much as possible.
I wish you have fun with Creat Bot 3D printer!

Contents

Danger Warning

 The nozzle’s temperature will reach 300 degrees, don’t touch.

 The platform’s temperature will reach 100 degrees, don’t touch.

 Please make sure that the printer connected to the ground.

 Do not attempt to open the case, be careful of electric shock.

Working Environment

 The 3D printer can work in the indoor environment of 5 ℃ to 30 ℃.

 Long-term not use of the printer, be sure to dust, moisture.

 Long-term not use of the filament, please be sealed to prevent deterioration.

Printer

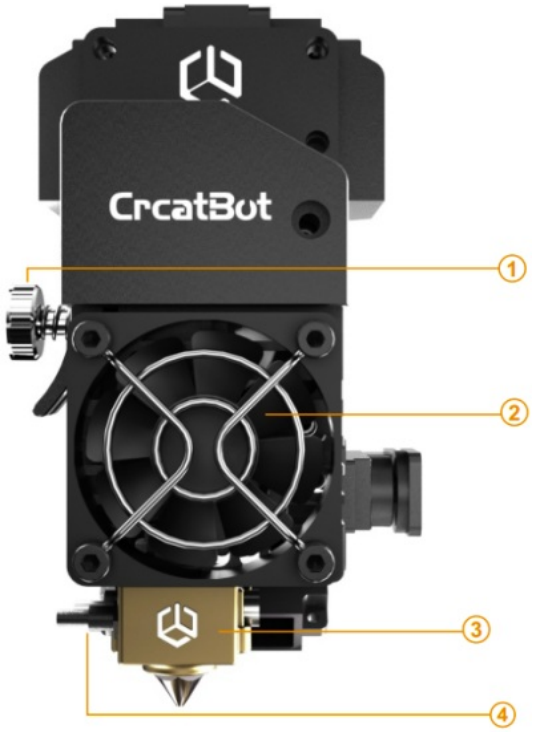
1. Touch screen
2. U disk port
3. Power button
4. Heating status indicator
5. Printing platform
6. Working status indicator

1. USB cable port
2. Network cable port
3. 10A power cable port
4. 16A power cable port

Extruder

1. Extruder motor
2. Servo
3. Cooling fan
4. Heating tube

1. Spring and nut
2. Sink fan
3. Hotend(Nozzle+ Heat block+ Heatbreak)
4. Heating sensor

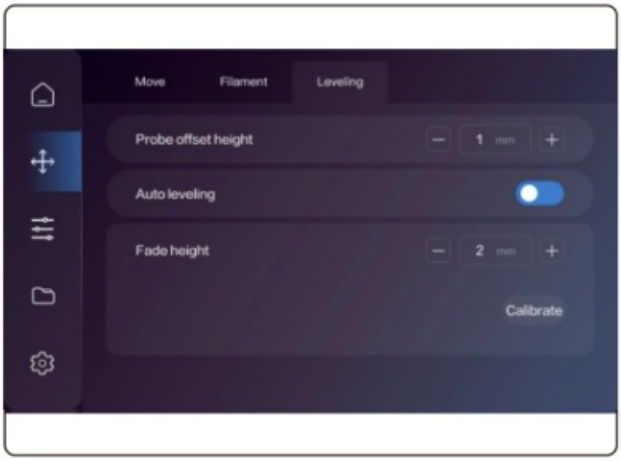


Printer installation

1. Before unpacking, please check if the package is damaged.
2. Remove the fixings of X and Y axes according to the guide.
3. The machine has two power port. 10A controls the printer and hot bed, and 16A controls the hot chamber.
4. Turn on the printer and select “Move” > “All home” on the screen to lift up the platform and then take out the filaments and tools box.

Printer operation

Leveling bed



Manual leveling

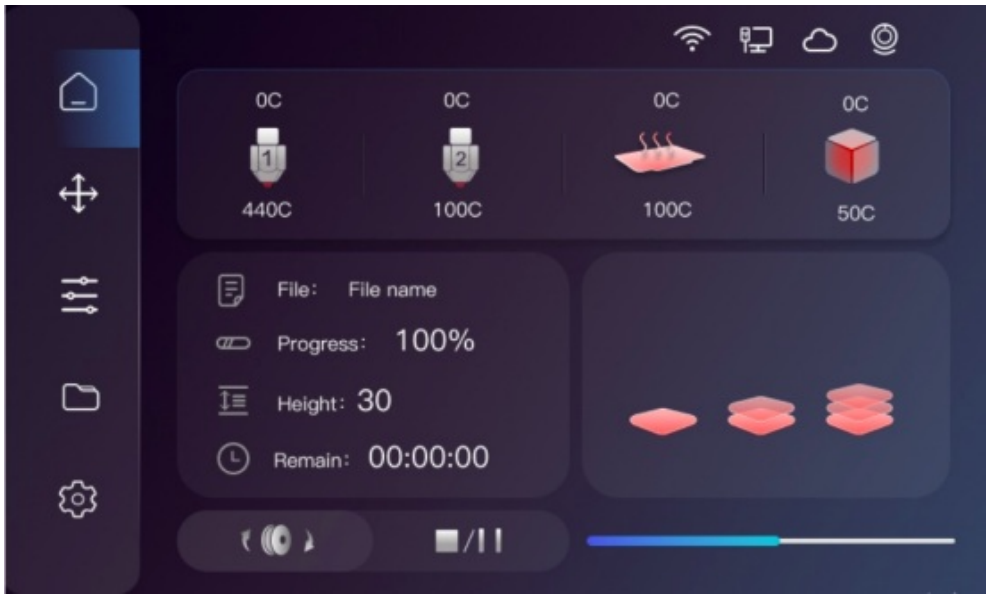
1. Enter the Move menu and click All home to lift up the platform and wait for the Z axis to stop moving. At this time, Z is not at the origin 0mm. Click -Z 100mm to return Z to the highest point.
2. Move the extruder around the platform by hand and adjust the leveling nuts under the four corners in turn. Loosen nut 1 under the platform, and then adjust nut 2 to bring the nozzle close to the printing platform at a distance of 0.1mm.
   Then tighten the nut 1.
3. **Run All home and -Z 100mm again.** Check the distance between the extruder and the printing platform to ensure that this distance is 0.1mm. If the distance is too far, increase the probe offset height value. Increase by 0.1mm and the platf- orm will rise by 0.1mm. If the distance is too close, reduce the probe offset heig- ht value. Reduce by 0.1mm and the platform will drop by 0.1mm.
   Enter the Leveling menu, turn on Auto leveling, click Calibrate, and the machine will automatically detect 25 points and record the detection data.

Auto leveling
You can view the leveling video in the USB flash drive.

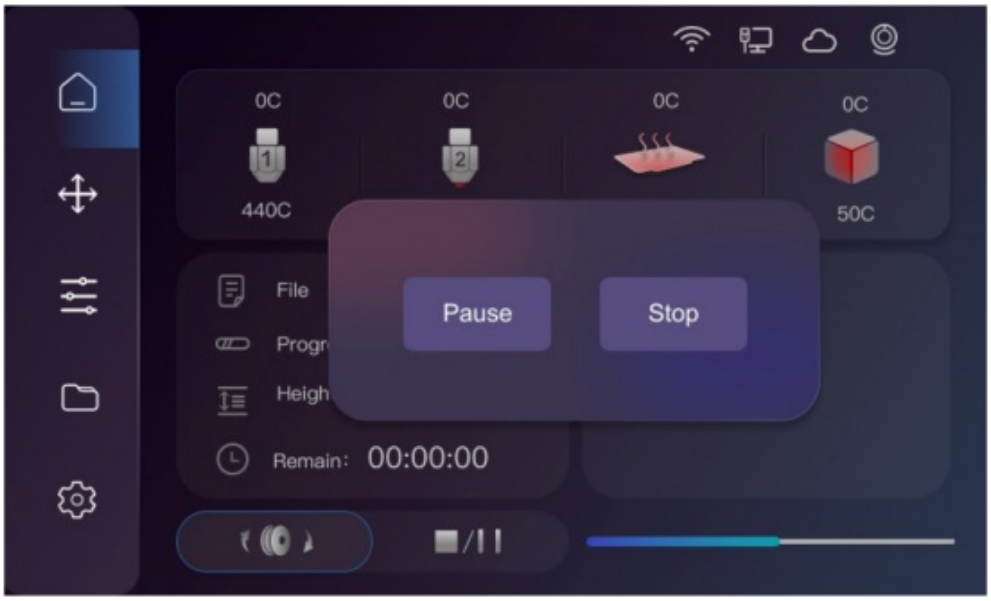
Screen operation

0C : Nozzle 1 target temperature 0C  440C **440 C:** Nozzle 1 current temperature	**0C :** Nozzle 2 target temperature 0C  100C **100C:** Nozzle 2 current temperature
0C : Bed target temperature 0C  100C **100C:** Bed current temperature	**0C :** Hot chamber target temperature 0C  50C **50C :** Hot chamber current temperature
 Quick heating, the target temperature can be modified in the general settings	

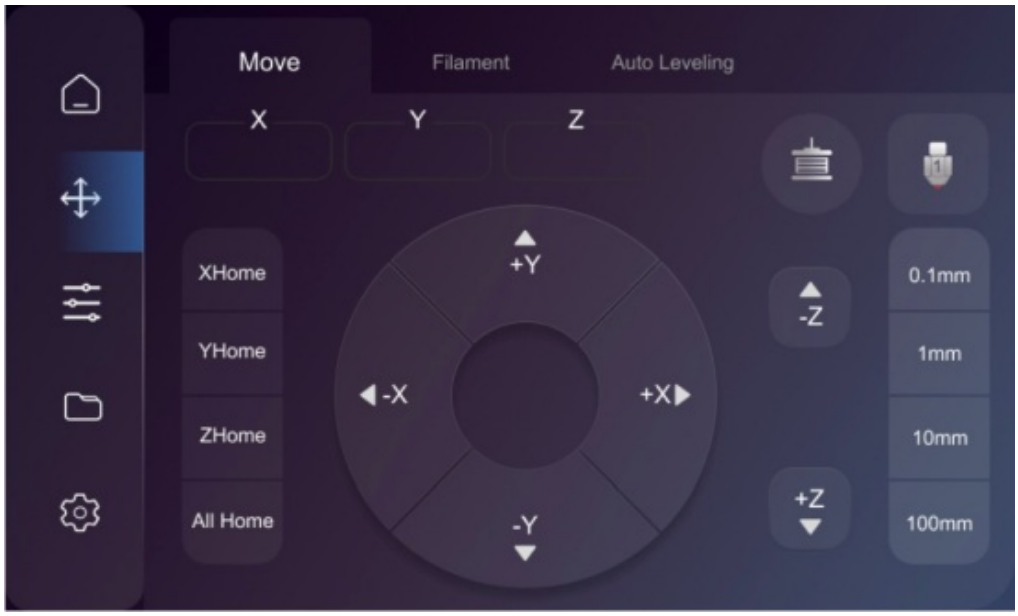
Screen operation

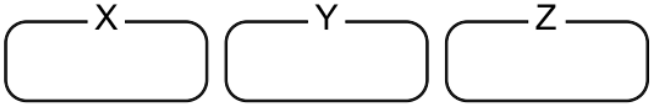
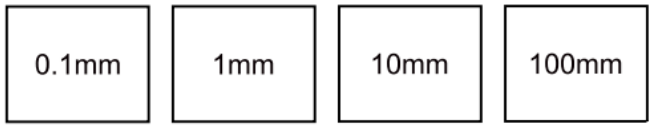


		
change	Pause/ Stop	Progress

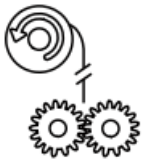


	Click on the blank area to cancel



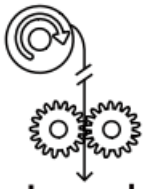
	X,Y,Z current position
	Units
 Unlock motor	 Switch extruder

Click to switch extruder



Unload

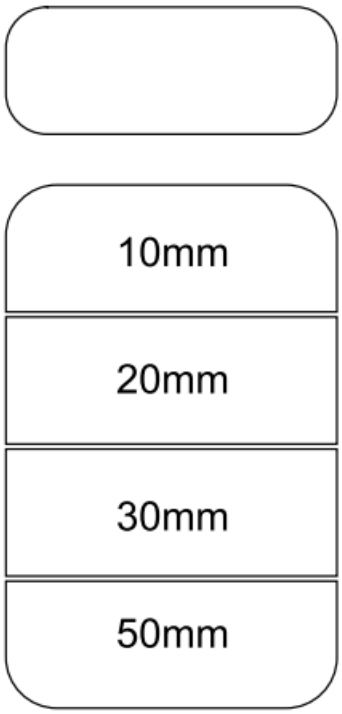
Unload filament



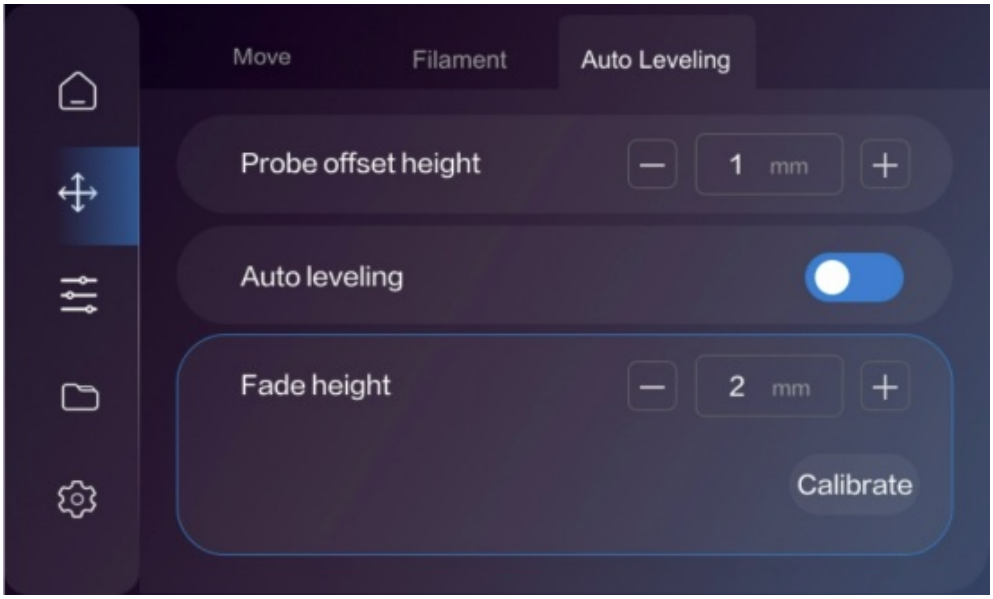
Load

Load filament

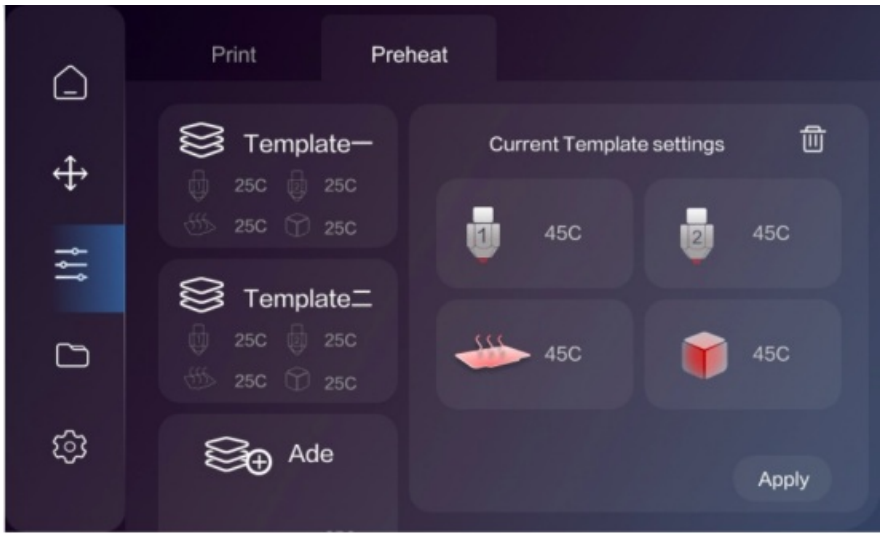
Auto: Used to load/unload filament
Manual: Extrude a specified length of filament to test whether the extrusion is smooth



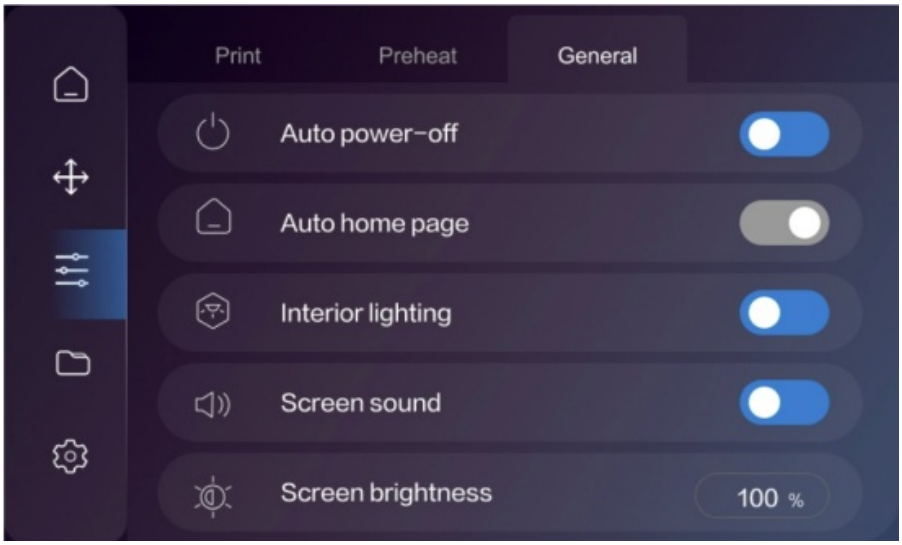
Specifies the length of the extrusion filament, the value can be entered manually

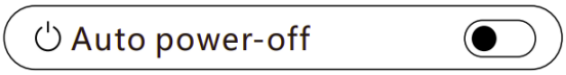


Probe offset height : The offset value between the nozzle and the probe in the vertical direction.
As the value increases, the distance between the platform and the nozzle decreases.
As the value decreases, the distance between the platform and the nozzle increases.
Leveling retreat height: The height range for automatic leveling during printing



Custom settings for preheat, you can set different temperatures for each component. And you can save multiple templates.



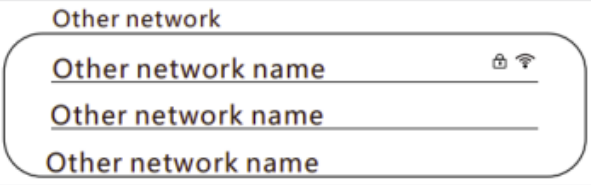


Auto power-off: The printer will auto power-off when idle.
You can set the time.

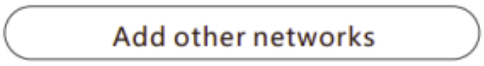
UI version	Screen UI version
Firmware version	Printer firmware version
Language	Change language, support Chinese and English now

Turn on or off Wi-Fi

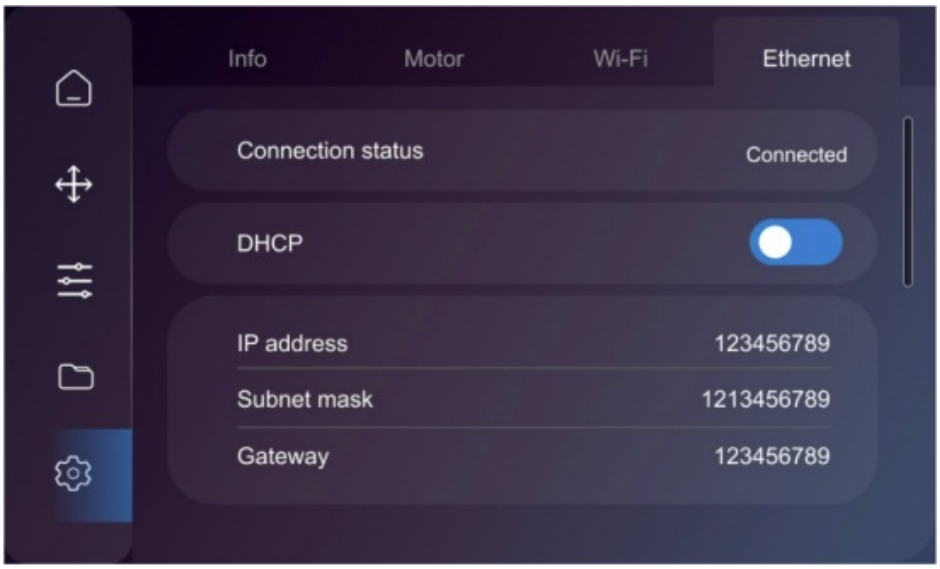
Currently connected network



Other searchable networks

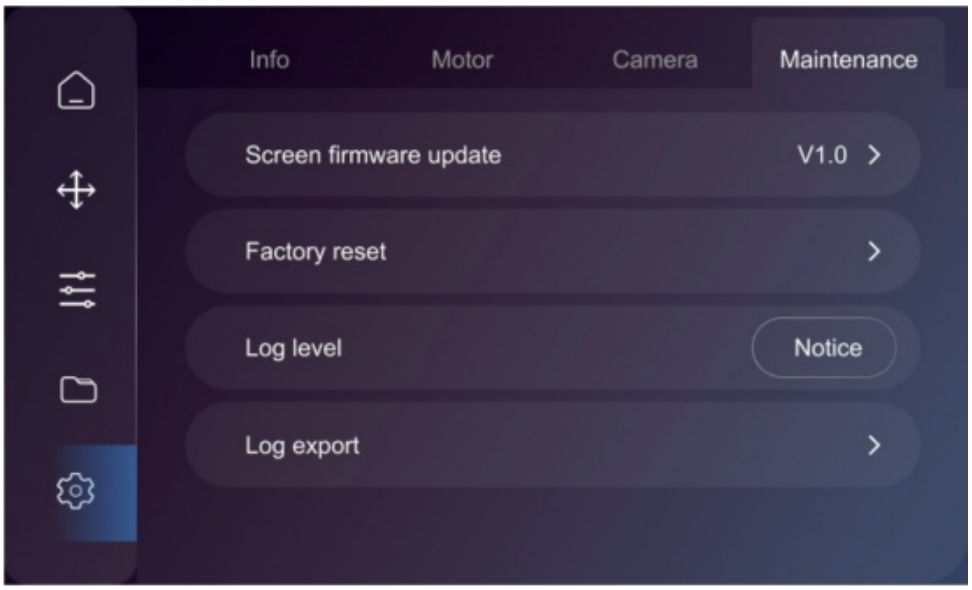


Add hidden networks




Status of wired network connection

Automatically obtain IP address when turned on, and manually configure IP address when turned off.




Put the screen firmware in the U disk, and you can use this operation button to update the screen firmware

www.creatbot.com

Documents / Resources

	CreatBot F430 NX Professional Desktop 3D Printer [pdf] User Manual F430 NX, F430 NX Professional Desktop 3D Printer, F430 NX, Professional Desktop 3D Printer, Desktop 3D Printer, 3D Printer, Printer

References

- User Manual