

CreatBot F430 NX User manual

V2.0



Henan Creatbot Technology Limited www.creatbot.com

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Notice

Read First

Thank you for choosing CreatBot 3D printer!

This manual contains important information about the installation, use, maintenance and common problems of CreatBot 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 CreatBot, 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 CreatBot 3D printer!

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、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

- 1、Spring and nut
- 2、Sink fan
- 3、Hotend(Nozzle+Heat block)

Screen operation



Screen operation

Calibrate PID							
*	🏮 23° 🊦 24° 🖐 19° 🌍	20°	D600Pro2	2-F4EF Num	pad	13:29	
÷		1	2	3			
đ		4	5	6			
E		7	8	9			
		×	0	~			
\$				X Close			

When the heater cannot maintain a stable target temperature, you can set the target temperature and click this button to perform PID calibration.







Unlock the motors. After unlocking, you can move the X and Y axes by hand.



The current position of the X/Y/Z axis. "?" means that the current position cannot be obtained and the X/Y/Z axis cannot be moved. You need to run Home first.



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Screen operation



	Click to activate the extruder. Blue means it is activated.
	Select the filament to quickly set the extrusion temperature
I	Automatic loading/unloading filament



Extrude and retract filament according to set length/speed

5mm	10mm	15mm	25mm	1mm/s	2mm/s	5mm/s	25mm/s
Set the	e length a	and spee	d of extru	ding/retr	acting fil	ament	

Inserted		Inserted	1	
----------	--	----------	---	--

Detect the current filament status. Click the button to turn off the filament detection function.



Pressure advance: ensure that the line extruded at different speeds is uniform. It is related to the filament, nozzle size, hot end temperature, and extruder.

Settings					
	🏮 23° 🏮 24° 🍎 19	° 🎁20°	D600Pro2-F4E	F	13:32
				 	
	Bed Mesh	Probe Calibrate	Nozzle Offset	Limits	
4	Fan	Macros	Power	O Camera	
		^	•		
₩är	Console	U pdate	Input Shaper	Save Config	
	More	Advanced	Network	Notifications	
	System				

Screen operation

Bed Mesh

	👼 23° 🚦 24° 👄 19° 🃦 20°	D600Pro2-F4EF B	ed Mesh 13:32
•	🕂 Add profile		🕞 Calibrate
*			
÷			
¢	No mesh has been loaded	default	×
\$			

Click Calibrate to run automatic leveling.

Click the configuration name to view the current detection data.

Probe	Probe Calibrate							
	🏮 23° 🏮 24° 🍎	19° 🍞20°	D600Pro	13:32				
						5 D		
	Ţ							
			Star	C.		ept		
+			Z: ?					
بہ ا			Probe Of	fset:		¢ –		
G			Saved	New 2		ort		
			Move Distan	ice (mm)				
\$.01	.05	.1	.5	1	5		



Used to calibrate the height difference between nozzle 1 and the Z sensor. See Leveling Video to set this value.

If the model does not stick well to the platform during printing, the nozzle is too close or too far from the platform and this value needs to be recalibrated.

Nozzle Offset						
-	💩 23° 🔮 24° 👋	▶19° 🌍20°	D600Pr	o2-F4EF Noz	zle Offset	13:33
		Z				
	Zo	offset Calibrate		XY	offset Calibra	te
4 •	Ŧ		Z Offs	set		
			0			Save
¢	↓	x	Offset	Y Offset		×
			0	0		Cancel
			Move Distan	ice (mm)		
\$.01	.05	.1	.5	1	5

The offset value of nozzle 2 relative to nozzle 1.

Calibrate the Z offset value first. Then calibrate the XY offset value. After replacing the nozzle or hot end, you need to recalibrate this value.

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Screen operation

Limits



Macros



ENABLE_MOTOR

When the machine X/Y/Z cannot move (because there is no coordinate value), and Home cannot

be run, this setting can be used. It will set false coordinate values to facilitate moving the X/Y/Z axis.





Includes updates for the screen, firmware, and plug-ins. You need to connect the printer to the network first, click Refresh to see if there is anything that can be updated, then click Update to complete the update. When you receive new printer, you can connect to the network to see if there is anything that can be updated.





Screen operation

The machine has been calibrated before leaving the factory. Click Auto Calibrate to recalibrate the resonance compensation values of the X and Y axes.





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÷	🟺 23° 🏮 24° 🌤 19° 🃦 20°	D600Pro2-F4EF I	More		13:41
	Screen DPMS Enable screen power management Not all screens support this		•		
••	Screen Power Off Time Timeout for screen black-out or power-o	off	Never	•	
¢.	Screen Power Off Time (Print Timeout for screen black-out or power-o	ing) off during printing	Never	•	
	Show Heater Power Current percentage and graph line				
\$	Show Scrollbars Buttons Useful for un-responsive touchscreens				

Advanced

<u> </u>	💩 23° 🎍 24° 🌤 19° 🃦 20°	D600Pro2-F4EF Advanced	13:42
	Adaptive Bed Leveling Leveling only in the actual print a	irea	•
	Auto Change Nozzle Auto change nozzle when filamer on printing)	nt runout(Disable during dual extrusi-	•
+	Power Loss Recovery Restores your print job after a po	wer outage	•
¢.	Restore Factory Settings This operation will clear the user	data	>
\$			

Screen operation

Network

	토 그 2 이 토 그	4° 10° 🗢 21°	DECODrog EAEE Notwork	12.42
•	Uni Uni	terface: wlan0	IP: 192.168.1.141	IS:42
*	(fr	Office2G		â
÷	(íŀ	D-Link		
¢	(í·	Office		
	(ŕ.	D-Link_5G		
\$	Ś	CU_QaF4		

Printing can be controlled on the web page. Enter the printer IP in the browser to access the web page.

System

	🏮 23° 🏮 24°	₩19° 📦20°	D600Pro2-F4EF System	13:43
•	CPU: 4%			
*	Memory: 15%			
÷	Device	Manufacturer: CreatBot Model: D600Pro2 Name: D600Pro2-F4EF		
¢	Python Cpu Info	Version: 3.9.2 Cpu Count: 4		
		Processor: aarch64 Serial Number: a0a57de Total Memory: 3.8 GB	19012d611	
۵	Sd Info	Manufacturer Id: 15 Manufacturer: Unknown Oem Id: 0100		





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