3D PRINTER USER'S MANUAL



ΕN

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1.NOTES

PLEASE READ THIS MANUAL BEFORE USING THE DEVICE, PAYING CLOSE ATTENTION TO THE SAFETY WARNINGS AND GUIDELINES. KEEP THIS MANUAL IN A SAFE PLACE FOR FUTURE REFERENCE.

THIS MANUAL IS ONLY APPLICABLE TO TINA2 PLUS.

1.1. Safety Warnings

- Do not touch the nozzle or stepper motors when the 3D printer is operating or just finished printing, as the nozzle temperature can reach up to 230° C.
- Do not expose this device to water or moisture. Keep liquids away from the device. If moisture gets inside, immediately unplug it and let it fully dry before using again.
- Do not handle the device, power cord, or any cables with wet hands.
- Before use, check the unit and power cord for any damage. Do not use if damage is found.
- Ensure the power outlet provides the proper voltage and current required by the device.
- Unplug the device when not in use.
- Protect the power cord from being crimped, pinched, walked on, or tangled. Ensure the cord does not pose a tripping hazard.
- Always unplug by grasping the plug head or adapter body, never by pulling the cord.
- Turn off and unplug the 3D printer before making repairs or performing service.

1.2. Filament

To ensure optimal performance, only use filament provided by the manufacturer. Third-party filaments may have inconsistent specifications and quality, potentially clogging or damaging the nozzle and motor. Using unauthorized consumables voids the warranty. Store unused filament in a sealed bag to prevent moisture absorption, which can degrade print quality.

1.3. Environmental Requirements

This 3D printer is for indoor use only, with an ideal ambient temperature of 15° C - 25° C.

Below 10 $^{\circ}\,$ C: Printed models may not adhere properly to the platform.

Below 0 $^{\circ}$ C: The device will not start.

Above 30° C: Print quality will significantly decline and the nozzle may clog.

2. INTRODUCTION

2.1. Specification

Model	TINA2 PLUS
Build Volume	100 x 105 x 100mm /3.9"x 4.0"x 3.9"
Nozzle Diameter	0.4mm
Layer Thickness	0.1-0.4mm
Platform Material	Flexible Spring Steel
Leveling Tech	9-Point Auto Bed Leveling
Max Nozzle Temp	245°C
Motherboard	R72Q
Max Heated Temp	80°C
Max Print Speed	120mm/s
Print Precision	±0.1mm
Product Weight	3Kg/6.6lbs
Output	12V-8A,96W
Filament Diameter	1.75mm
Supported Filament	PLA / PLA+ / TPU / PETG
Filament Capacity	100-250g (built-in holder)
	1kg (with extra rack)
Slicing Software	Wiibuilder (Win/Mac)
	Cura (Win/Mac)
	Kiri (Chrome OS)
	OctoPrint (Pi/Linux)
Input File Format	STL/OBJ/AMF
Print Format	Gcode
Input Method	TF Card / WIFI / USB / APP
АРР	PoloPrint Cloud (Android/IOS)

2.2. Product Overview



2.3. Hotend Structure



2.4. Internal Structure



2.5. Motherboard



3. SYSTEM MENU

The top control panel features:

TF card slot (left): Stores print files

Knob button (right): Access system menu



3.1. Info Screen

Knob controls:

- Clockwise turn: Move down in menus, decrease value
- Counterclockwise turn: Move up in menus, increase value
- Press: Enter submenu, select option, confirm value



Info Screen displays the status of the main components, including: Nozzle temperature (preset temperature and actual temperature), heated bed temperature (preset temperature and actual temperature), network connection status, XYZ position information, remaining printing time, TF card status and cloud platform connection status.

The bottom bar of the screen is the information bar, which displays the network status after power on. When the device is not connected to the Internet, it will display "OFF". After the device is connected to the WIFI network, it will display the IP address of the device.

Press the knob to open the main menu.

Info screen	1
Prepare	→
Control	→
WIFI Network	*
Print from TF	→

Press knob for Main Menu:

- Info Screen: Return to Info Screen
- Prepare: Open Prepare menu
- Control: Open Control menu
- WIFI Network: Displays the WiFi information.
- Print From TF: Show TF card files

3.2. Prepare Menu



Press knob to open two-screen Prepare menu. Turn knob to scroll.

Main	Endstops -
Change Filament	Disable steppers
Move axis	
Homing +	
Level bed	

3.2.1.Change Filament

Use to properly unload and load filament. Do not pull filament out directly to avoid clogs.

Main	1
Change Filament	
Move axis	
Homing	→
Level bed	

Main	
Change Filament	
Load Filament	
Unload Filament	→

1. Change Filament:

Select filament type to heat nozzle.

Main Change Filament Load Filament Unload Filament →	Change Filament Back Preheat PLA Preheat TPU	Change Filament Heating nozzle Please wait
	Preheat PETG	Nozzle:E1 20/210
At 210°C, filament auto-unloads.		
	Change Filament	
	Wait for	
	filament unload	
	Nozzle:E1 210/210	

Beep indicates unload complete, insert new filament as prompted and press knob.

Change Filament		
Insert filament		
and press button		
to continue		
Nozzle:E1	210/210	



At 210°C again, filament auto-loads through nozzle.

Change Filament Heating nozzle Please wait	RESUME OPTIONS: Continue Purge more
Nozzle:E1 208/210	

2. Load Filament:

Auto-heats nozzle and loads filament. Press knob during heating/extruding to cancel.

Main	Change Filament	Load Filament
Change Filament	Back	Heating nozzle
Load Filament	Preheat PLA	Please wait
Unload Filament 🔸	Preheat TPU	
	Preheat PETG	Nozzle: E1 185/210

3. Unload Filament:

Auto-heats nozzle and unloads filament. Press knob during heating/retracting to cancel.

Main 📑	Change Filament	Unload Filament
Change Filament	Back	Heating nozzle
Load Filament	Preheat PLA	Please wait
Unload Filament	Preheat TPU	
	Preheat PETG	Nozzle: E1 185/210

3.2.2.Move Axis

Manually control stepper motors for troubleshooting.

Main	
Change Filament	
Move axis	
Homing	->
Level bed	

Prepare	1
Move X	→
Move Y	→
Move Z	→
Extruder	→

X/Y/Z Axis: 10mm, 1mm, 0.1mm increments

Extruder: 10mm, 1mm, 0.1mm increments

Knob controls bidirectional movement

Prepare	1	Move X			
Move X	-	Move axis	Ĺ		
Move Y	→	Move 10mm	•	Move X:	+100.0
Move Z	→	Move 1mm	→		
Extruder	.	Move 0.1mm	→		
Prepare	1	Move Y			
Move X	-	Move axis	<u>1</u>		
Move Y	→	Move 10mm	→	Move Y:	+100.0
Move Z	→	Move 1mm	→		
Extruder	→	Move 0.1mm	→		
Prepare		Move Z			
Prepare Move X	_ →	Move Z Move axis			
Prepare Move X Move Y	↑ +	Move Z Move axis Move 10mm		Move Z:	+100.0
Prepare Move X Move Y Move Z	 ▲ → → 	Move Z Move axis Move 10mm Move 1mm	 +	Move Z:	+100.0
Prepare Move X Move Y Move Z Extruder	↑ ↑ ↑ ↑ ↑	Move Z Move axis Move 10mm Move 1mm Move 0.1mm	▲] →	Move Z:	+100.0
Prepare Move X Move Y Move Z Extruder Prepare	 ↑ ↑ ↑ ↑ ↑ ↑ 	Move Z Move axis Move 10mm Move 1mm Move 0.1mm Extruder	 → →	Move Z:	+100.0
Prepare Move X Move Y Move Z Extruder Prepare Move X		Move Z Move axis Move 10mm Move 1mm Move 0.1mm Extruder Move axis	 → →	Move Z:	+100.0
Prepare Move X Move Y Move Z Extruder Prepare Move X Move Y	$ \begin{array}{c} \bullet \\ \bullet \\ \bullet \\ \bullet \\ \bullet \\ \end{array} $	Move Z Move axis Move 10mm Move 1mm Move 0.1mm Extruder Move axis Move 10mm	→ → →	Move Z: Extru <u>der</u> :	+100.0
Prepare Move X Move Y Move Z Extruder Prepare Move X Move Y Move Z	$\begin{array}{c} \bullet \\ \bullet $	Move Z Move axis Move 10mm Move 1mm Move 0.1mm Extruder Move axis Move 10mm Move 1mm	 + + +	Move Z: Extruder:	+100.0

CAUTION:

RANGE IS 0-100MM PER AXIS. PERFORM "AUTO HOME" FIRST FOR CORRECT NOZZLE COORDINATES. WITHOUT HOMING, CURRENT POSITION BECOMES ORIGIN, LIMITING JOG RANGE.

AXIS MOVEMENT LIMITED BY ENDSTOPS. BROKEN OR MISWIRED ENDSTOPS MAY CAUSE MOTOR TO NOT STOP OR MOVE.

EXTRUDER HAS THERMAL PROTECTION, ONLY MOVES WHEN NOZZLE IS >170°C.

3.2.3.Homing

Moves nozzle and platform to origin (X=0, Y=0, Z=0). Can home XYZ together or separately. Helps troubleshoot motor or endstop issues in a specific direction.





3.2.4.Level Bed

Auto-levels platform using proximity sensor. Done at each print start to ensure proper nozzle-platform distance.

Can diagnose proximity sensor issues - error displays if sensor fails.

Main	♪
Change Filament	
Move axis	
Homing	→
Level bed	

3.2.5.Endstops

Shows X/Y/Z endstop and proximity sensor status. Moving nozzle or platform to trigger endstops changes each one's state.

Helps diagnose faulty endstops or sensor - no state change indicates failure.



3.2.6.Disable Steppers

Releases stepper motor locking, allowing manual nozzle and platform movement.



3.3. Control Menu

Info screen	Ĵ
Prepare	→
Control	+
WIFI Network	+
Print from TF	+

Press knob to open two-screen Control menu. Turn knob to scroll.

Main		Powerloss Recove: Off	Restore Defaults
Temperature	→	Smart Temperature: On	Advanced Settings
Probe Z Offset	→	Printer Info →	
Language		Firmware Update →	
LED Control:	On	WIFI Firmware Update →	

3.3.1.Temperature

Manually set nozzle and bed temperature:

Main 📑
Temperature →
Probe Z Offset →
Language
LED Control: On

Select Nozzle or bed, turn knob to desired temp, press to confirm.

Info Screen shows real-time temp during heating. Heating continues if exiting to other tasks.

To stop heating, re-enter menu and decrease temp to 0.



Preheat PLA/TPU/PETG: Background heats nozzle to 210°C/220°C/230°C respectively.

3.3.2.Probe Z Offset

After bed leveling, sets nozzle-platform gap. Press knob to save.

Too small: Nozzle may scratch platform or clog.

Too large: Poor model adhesion, lifting.

Recalibrate after replacing nozzle or sensor.



Turn knob to precisely adjust nozzle height for smooth, flat first layer.



3.3.3.Language

Select from: English, Chinese, French, German, Spanish, Italian, Japanese, Portugal, Dutch, Turkish and Russian.

Turn knob to select, press to save and exit.



3.3.4.LED Control

Click "LED Control" to open the LED switch menu.

Press the knob to confirm and save.

Main	1
Temperature	→
Probe Z Offset	→
Language	
LED Control:	On

3.3.5. Powerloss Recove: Off

Press the button to switch OFF/ON .

Powerloss Recove: Off Smart Temperature: On Printer Info → Firmware Update → WIFI Firmware Update →

If enabled, saves print progress every 10s. After unexpected power loss, prompts to resume on restart.

Disabled by default. Enable if desired.

IMPORTANT:

PROGRESS SAVED TO ".BIN" FILE ON TF CARD EVERY 10S, OVERWRITING PREVIOUS DATA. ON RESTART AFTER SUDDEN POWER LOSS, CHECKS FOR ".BIN" FILE AND PROMPTS "CONTINUE PRINTING, STOP PRINTING". CONTINUING READS SAVED PROGRESS, STOPPING DELETES ".BIN" FILE.

SINCE SAVING ONLY EVERY 10S, RECOVERY MAY FAIL DUE TO TIME INTERVAL.

3.3.6.Smart Temperature

Press the button to switch OFF/ON .

Powerloss Recove: Of	f
Smart Temperature: Or	l
Printer Info -	
Firmware Update	
WIFI Firmware Update -	

The smart temperature feature is turned on by default. The mainboard can monitor the ambient temperature and increase the temperature of the nozzle and platform according to the ambient temperature.

3.3.7. Printer Info

Shows current firmware version.

Powerloss Recove: C Smart Temperature: ()ff Dn
Printer Info	٠
Firmware Update	+
WIFI Firmware Update	! →

Printer Info Machine: TINA2Plus Hardware: 24WDV1 Version: 2.0.3

3.3.8.Firmware Update

1. Copy ".wfm" firmware file to TF card root. Decompress first if needed. Rename to "flash.wfm".

្នា flash.wfm

- 2. Insert TF card and select Firmware Update.
- 3. Printer checks version and updates.

Powerloss Recove: Off Smart Temperature: On Printer Info → Firmware Update → WIFI Firmware Update →

Firmware Update flash.wfm has found

3.3.9.WIFI Firmware Update

1. Copy ".efm" WiFi firmware file to TF card root. Decompress first if needed. Rename to "wifi.efm".

🗋 wifi.efm

- 2. Insert TF card and select WiFi Firmware Update.
- 3. Printer checks version and updates.

Powerloss Recove: Off Smart Temperature: On Printer Info → Firmware Update → Wifi firmware Update→ Open sdcard ok wifi.efm found Upgrade beg<u>in...</u>

3.3.10.Restore Defaults

Resets all parameters to factory defaults.



3.3.11.Advance Settings

Modify advanced parameters. Beginners use defaults.

Restore Defaults
Advanced Settings →



Control LCD Contrast: 210 Retract Max Speed (mm/s) Acceleration Jerk Probe Offsets Filament Store Settings Load Settings

Initialize **EEPROM**

- LCD Contrast: Adjust screen clarity
- Retract: Auto-retract, amount, speed, etc.
- Max Speed (mm/s): Same as in slicer
- Acceleration: Increase print speed
- Jerk: Increase acceleration ramp time and corner/jitter speed
- Probe Offsets: Set X/Y/Z offsets
- Filament: Set extruder compensation
- Store Settings: Save changes
- Load Settings: Apply saved changes
- Initialize EEPROM: Reset to defaults

3.4. WIFI Network

Info soreen	Ĵ
Prepare	→
Control	→
WIFI Network	+
Print from TF	->

Press knob to open one-screen Control menu. Turn knob to scroll.

Main	1
Wifi Info	→
Wifi QR Code	→
Wifi Reset	→

The network function of TINA2S has two connection modes, local mode, and remote mode.

Local mode: In the same local area network, Wiibuilder or Cura on the computer can connect to the 3D printer, and perform remote control or send print files. To use local mode, the 3D printer should be connected to the local WIFI network.

Remote mode: Use our APP, PoloPrint Cloud, remotely control the 3D printer or download the print model. With the remote mode, you can remotely control the 3D printer from any location. To use remote mode, the 3D printer should be connected to the WIFI network and registered with the APP. Notice, a 3D printer can only be registered by one APP account.

3.4.1.WIFI Info

Click "WIFI Info" to open the WIFI info screen. It will show the WIFI firmware version, the serial, IP address, AP name, and the connection status of the cloud server.

Before the network is configured, "OFF" and "UNKNOWN" will be displayed.

Main	
Wifi Info	+
Wifi QR Code	→
Wifi Reset	→

Version:1.4.4 SN:WA943CC6C11740 IP: OFF AP: NONE CLOUD: UNKOWN

Only after configuring the network and registering in the APP will the 3D printer connect to the cloud server.

Version:1.4.4 SN:WA943CC6C11740 IP:192.168.10.250 AP:WBS-OFFICE-2.4G CLOUD: CONNECTED

3.4.2.WIFI QR Code

Click "WIFI QR Code" to show the QR code generated by the device serial. Used for App scanning networking and cloud access.

Main	1	
Wifi Info		国政政国
Wifi QR Code	→	
Wifi Reset	-	

3.4.3.WIFI Reset

Every time TINA2S is turned on, it will automatically connect to the WIFI network that was successfully connected to the last time. If you need to connect TINA2 to a new WIFI network, you should execute the reset WIFI setting function to clear the saved WIFI network information.





3.5. Print from TF

Info screen	<u> </u>
Prepare	→
Control	-
WIFI Network	→
Print from TF	+

Shows ".gco" or ".gcode" print files on TF card.

Main
dragon.gcode
rabbit.gcode
fishbone.gcode

Select file and press knob for print info. "Print" starts printing.

To prevent damage, checks machine model in file. Blocks print if model mismatched or missing. Use Wiibuilder or custom Cura version and select correct model when slicing.

NOTE: FILE NAMES \leq 20 CHARACTERS TO AVOID DISPLAY ISSUES.



Usage: 21g Temperature:200 PrintTime: 02:38

During print, press knob for print settings menu.



3.5.1. Pause Print

Pauses print and moves nozzle to pause position. Can resume from pause.

Info screen		PRINT P	PRINT PAUSED		PRINT P	AUSED
Pause Print		Press b	Press button		ton Heating no	
Stop Print	→	to resum	to resume print		Please	wait
Change Filament						
Tune	→	Nozzle:E1	100/210		Nozzle:E1	200/210

3.5.2.Stop Print

Cancels current print and returns to Info Screen.

Info screen Pause Print	Stop	Stop Print		TINA PLU	12 S	0° <u>२२२</u> 32°	X [] ■‡
Stop Print			X	? Y	?	Z	??
Change Filament Tune →	Back	Stop	F _{R 10} OFF	0% .			

IMPORTANT:

REMOVE PRINTED MODEL FROM PLATFORM AFTER STOPPING.

3.5.3.Change Filament

Same steps as Change Filament in Prepare menu:

Heat to set temp. Auto-unload at temp.

Info screen	
Pause Print	
Stop Print	
Change Filament	
Tune	-



Beep, insert new filament, press knob.Auto-load at temp.



3.5.4.Tune

To change:

Select setting, turn knob to desired value.

Press knob to confirm.

Info scree	n	Main	1	Speed:	100
Pause Pri	nt	Speed:	100	Nozzle:	200
Stop Print	t 🔶	Nozzle:	200	Bed:	0
Change Fi	ilament	Bed:	0	Flow:	100
Tune		Flow:	100	Probe Z Offset	
1.Speed					
	Main				
	Speed:	100			
	Nozzle:	200	Speed:	100	
	Bed:	0			
	Flow:	100			
2.Nozzle temp					
	Main	Ť.			
	Speed:	100			
	Nozzle:	200	Nozzle:	200	
	Bed:	0			
	Flow:	100			
3.Nozzle temp					
	Main	Ť.			
	Speed:	100			
	Nozzle:	200	Bed:	30	
	Bed:	0			
	Flow:	100			
4.Probe Z Offse	et				

IMPORTANT:

Z OFFSET MICRO-ADJUSTS NOZZLE HEIGHT IN REAL-TIME TO CHANGE GAP:

INCREASE BY 0.2MM IF GAP TOO SMALL (NO EXTRUSION)

GRADUALLY DECREASE IF GAP TOO LARGE (POOR ADHESION)

Speed:	100
Nozzle:	200
Bed:	0
Flow:	100
Probe Z Offset	+



3.5.5.Save Printing and Off

Saves progress, moves to pause position, allows safe power off. Prompts to resume on next power on.

Save Printing and off

Save Printing and Off Wait for printing stop, then turn off the power Power Loss Recovery Resume Print Stop Print

IMPORTANT:

"PAUSE PRINT" AND "SAVE PRINT" TRIGGER HOMING. MECHANICAL ENDSTOP TOLERANCES CAUSE SLIGHT DEVIATION ON EACH HOME, POTENTIAL SEAM/SHIFT AT RESUME POINT.

PRINT MODELS IN ONE SESSION WHEN POSSIBLE TO AVOID THIS.

4. COMMON MENU OPERATIONS

4.1. Print from TF Card



- 1. Open Main Menu, select "Print From TF"
- 2. Turn knob to select file, press knob to start print.

4.2. Print Multi-Color Models / Change Filament During Print

Same steps as Change Filament in Prepare menu:

Heat to set temp.Auto-unload at temp.

Info screen		Change Filament
Pause Print		Wait for
Stop Print	⊉	filament unload
Change Filament		
Tune	→	Nozzle:E1 210/210

Beep, insert new filament, press knob. Auto-load at temp.



4.3. Adjust Temperature During Print

During print, press knob for print settings menu, select Tune > Nozzle to adjust temp:

Turn knob to increase/decrease temp.

Press knob to return.

^{0°} TINA2 ^{0°} Ⅻ	Info screen	Main
30° PLUS 32° 日壮	Pause Print	Speed: 100
X ? Y ? Z ??	Stop Print +	Nozzle: 215
F _{R 100%} 00h40m →	Change Filament	Flow: 100
dragon.gcode	Tune	Probe Z Offset

4.4. Adjust Z Offset During Print

During print, press knob for print settings menu, select Tune > Probe Z Offset to fine-tune nozzle-platform gap:

Turn knob to micro-adjust gap.



ALLOWS REAL-TIME Z-AXIS ADJUSTMENT TO CHANGE GAP DURING PRINT:

INCREASE BY 0.2MM IF GAP TOO SMALL (NO EXTRUSION)

GRADUALLY DECREASE IF GAP TOO LARGE (POOR ADHESION)

5. PRINT BY APP

- 1. Download and install the APP : PoloPrint Cloud
- 2. Register or log in to the APP.
- 3. Configure WiFi for 3D printer.



4. Get the "Wifi QR Code ".

NOTE: THE 3D PRINTER HAS BEEN CONNECTED TO THE NETWORK, AND THE IP ADDRESS IS DISPLAYED.





5. Click "Add Online Device ", scan the QR code displayed on the screen, and submit

the recognized SSID.



6. Select a model and click "Print".



6. WIIBUILDER SLICING SOFTWARE

3D models usually STL files, not directly recognized by 3D printers. Models processed in slicing software to generate Gcode files for printing.

3D printing process:



Slicing software installed on computer. Common options: Wiibuilder, Cura. Wiibuilder developed in-house, user-friendly, recommended.

Wiibuilder included on printer's TF card. Use card reader to view TF contents on PC for installation.

System requirements for Wiibuilder:

- CPU: Pentium 1GHz
- RAM: 1GB minimum
- Disk: 1GB+ free space
- Display: 640x480 minimum
- Graphics: 3D acceleration, OpenGL 2.0+
- Color: 256 colors minimum
- OS: Windows 7+ / MacOS 10.13.6+
- Other: .Net Framework 4.5.2+

6.1.Installation

6.1.1.Installation on Windows

Steps to install Wiibuilder:

Locate and run Wiibuilder.exe on TF card. Click Install > Next > Finish to continue.

, Wiibuilder2 .1.0.1 Setup — 🗆 🗙	😽 Wiibuilder2 .1.0.1 Setup —
Choose Install Location	Choose Components
Choose the folder in which to install Wilbuilder 2 , 1.0. 1.	Choose which features of Wiibuilder2 . 1.0. 1 you want to install.
Setup will install Wibuilder2 .1.0.1 in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.	Check the components you want to install and uncheck the components you don't want to install. Click Install to start the installation.
	Select components to install: Virbuilder 2, 1, 0, 1 Virgatil DotVetFramework4,5, 2 Virgatil
Destination Folder C:Program Files (x86)\Wilbuilder2 Browse	
Space required: 99.5MB	Space required: 166.2MB
Space available: 87.6GB	
Isoft Tostall System v3.0	Nullsoft Install System v3.0
	< Back Install Cance
Next > Cancel	
, Wiibuilder2 ,1.0.1 Setup — — — × Installing Please wait while Wiibuilder2 , 1.0.1 is being installed.	Wiibuilder2 .1.0.1 Setup – 🗆
Output folder: C:\Program Files (x86)\Wilbuilder2	Wilhuilder2, 1,0,1 has been installed on your computer
and descendence of the advection of the second se	viilbuilder2.1.0.1 has been installed on your computer.
Show details	Click Finish to dose Setup.
	✓ Start Wiibuilder2 .1.0.1
	and the second design of the s
	1 Andrews
	All the second s
ilsoft Install System v3.0	
ulsoft Install System v3.0	

6.1.2.Installation on MacOS

OS: MacOS 10.13.6+

Decompress installer. Double-click package, drag Wiibuilder to Applications.

H
C. Martin
ZIP



Wiibuilder-2.3.0.0

Wiibuilder-2.3.0.0



6.2. Interface Introduction



- Menu Bar: Access Wiibuilder menu
- Toolbar: USB/WiFi connect, save Gcode, load model, undo/redo, slice, settings
- Home View: Restore default view angle
- Center Object: Auto-adjust model XY to center on platform
- Flat: Auto-flatten tilted model on platform
- Land Object: Auto-adjust model Z to align bottom with platform
- Delete Selected: Remove current model
- Add/Delete Support: Manually add/remove model supports
- Edit: Open model and Gcode editor

Right-click model for context menu:

- Copy model
- Mirror on X/Y/Z axis
- Delete model
- Export model to STL
- Arrange All Parts: Auto-adjust multi-model position and spacing

Name:	di	rag	on. st	:1				
Translation								
х о	mm	Y	0	mm	Z	0	mm	
Scale								
X 53.58	mm	Y	40.23	mm	Z	73.20	mm	
Rotate			Scale	with size				
X O		Y	0		z	0		
				ок				



• Clear Plate: Remove all models

Slicing Settings:

? ∎	Slice Slice			×
	Basic Advanced			
	Profile	Matarial		naded
	Normal	PLA	~	1
	Support			
	None			1
<u> </u>			Click to collapse	
	Layer Height: 0.02mm Speed:	0.8mm	0.2 mm	
\mathbf{r}	40mm/s	150mm/s	40.0 mm/s	8
	Infill Density: empty Default Filament Temperature:	solid	10 %	
	160°C	260°C	200 °C	
	Adhesion:			
~	Raft ~			
	□ Platform Heat			

6.3. Select Language

Open Wiibuilder, click Configure > Language to select.

🔛 Wiibui	der 2.4.2.1		– 🗆 X
File V	ew Configure Printer Help	TINA2S	
10	Language	Deutsch	
P ?	Printing Paths Priview	English	
	Reset slicing configure file	Español	Shaded ~
	Firmware Manual Upload	Français	
Ulmand/		Italiano	m
-		Nederlands	
+- T -+		Polski	
-		Русский язык	
		Українська мова	
		한국인 /	10
· · · · ·		日本語(
J		简体中文	
	Ve. a la la	4 5 6 7 B 9 Y	
UL/			

6.4. Select Printer

Click Printer to select model.

Wiibuilder 2.4.2.1		- 🗆 X
	C Slice 🐔	
		Shaded
W		.i
Printer settings		×

Printer settings				×
Printer				
Tips:The current prin	ter type	should be th will damag	e type of printe ge the printer ar	r you are going to use.The wrong printer type nd fail to print.
Number of Extruder				
X min		X max		Bed Left
0		100		0
Y min		Y max		Bed Front
0		110		0
Print Area Width				
100	mm			
Print Area Depth				
110	mm			
Print Area Height				
100	mm			
		ОК	Apply	Cancel

Scroll to find "TINA2Plus".Note: Not "TINA2"or"TINA2S", will fail if wrong.

ew Co Prin	nter settings			×
Prin	nter	TINA2SPlus	~	
	The	TINA2S		
- OF	os: i ne current	TINA2SPlus		d d
		F150		
N	mbar of Eutr	F150S		
	aniber of Extr	F152		
1	*	F152 EVO		
X	min	F1525		
0		F1325P		
		F102C		
Y	min	F260		
0		F260D		
Pri	int Area Widt	F290		
11	00	F300		
	00	F300 Plus		
Pri	int Area Dept	F310		
11	10	F310S		
		F370		
Pri	int Area Heigh	F370S		
11	00	F370X		
	201	F370X V3		
		F/50X		
		MEAD		
		ME40 V3		
		ME40 Lite		
		ME40 Pro		
		Starry Plus		
		TINA2		
		¥40		

6.5. Add Model

Open Wiibuilder, click File to load model or drag model in.



Five sample models in "Show Example Directory" for test printing.



6.6. Adjust Model

Click model to adjust size, angle, position.



Model should be centered and properly placed on platform. Click Center Object, Flat, Land Object. If floating, print fails.



6.7. Basic Parameter Settings

Beginners use defaults without adjustment.

	Slicing Settings				:	×
	Basic Advanced			$1 \ge 1$		led
Ð	Profile	-	Material	1 X		
	Normal	~	PLA	basic	parameter	
-	Support	_		1		
	None	 Sup 	port			
		~ <	17	Clic	k to collapse 🔺	
4	Layer Height:					
	0.02mm		0.8mm	0.2	mm	
	Speed:					
-	40mm/s		150mm/s	40.0	mm/s	
	Infill Density:					
	empty		solid	10	%	
	Default Filament Temperat	ure:				
	160°C		260°C	200	°C	
	Adhesion: Prevent de	formation o	f the bottom	of model		
	The second se					

After setting parameters, click Slice to convert file.



6.8. Send Files via Network

NOTE: THE 3D PRINTER HAS BEEN CONNECTED TO THE NETWORK, AND THE IP ADDRESS IS DISPLAYED. FOR OPERATIONS, PLEASE REFER TO: "PRINT BY APP".

SELECT THE COMPUTER TO USE THE SAME NETWORK AS THE DEVICE. USING DIFFERENT NETWORKS CAN CAUSE TRANSFER FAILURES.



The computer should connect to the same local network with the 3D printer.



Click "WLAN Connection", the software will automatically search for the 3D printers in the local network and show them in the below list. If no 3D printer be found, you can also try to manually enter the IP address of the 3D printer to connect.

Current Printer IP		-	1		
192.168.10.20		Connect			
WiFi Printers	Name	Serial Number	- aft:	Bed:	
192.168.10.20	TINA2S	WA943CC6C11764			
192.168.10.19	TINA2S	WA943CC6C11740			
			1	Y +Z	Cancel P
			-		
			· · ·		- CR A
	Upload		- 1	(, -Z	11 1

NOTE: IF YOU STILL CANNOT CONNECT TO THE 3D PRINTER, PLEASE CHECK WHETHER THE FIREWALL OF THE COMPUTER PROHIBITS THE SOFTWARE FROM NETWORKING, AND WHETHER THE COMPUTER AND THE 3D PRINTER ARE IN THE SAME LOCAL AREA NETWORK.

Send the sliced model to the 3D printer, and the 3D printer starts printing after receiving it.

192,168,10,20		Disconnect	ĵ		
WiFi Printers			,		
IP	Name	Serial Number	eft:	Bed:	
192.168.10.20	TINA2S	WA943CC6C11764	-	-	
	111423	WA943CC0C11740	4	Y +Z	Cancel
Loading 56.52%	Upload	-	-x .	+X .	A A

6.9. Send Files via TF Card

Save sliced model to TF card, insert card into printer.



Note: Save directly to TF root, not in folder.

	Wiibuilder 2.4.2.1 -	dragon1.stl				
	File Vie W Save	printable file			×	
	/ ? ← →		✓ Č Search USI	B Drive (F:)	Q	
	Organiz	ze 🔻 New folder			2 ~	
		Desktop ^ Name Documents Jownloads Music Dictures Frideos Windows (C:) Local Disk (D:) 意思 Drive (F:) BB Drive (F:)	A Date modified	Type	111 1720 1740 1740	
	I Ne	etwork			>	
	S S	File name: dragon1 Save as type: GCode	- Court		~	
	All done	Folders	Drinting Time: 2 h 34 min Fi	lament used: 503	10 7 mm/15 03 g	
			Thinking hitle 21, 54 hitle fr	ament used. 503	5.5. Hill (15.65 g	
0° \$30° X F _{B 1} 0	TINA2 PLUS ? Y	$\begin{array}{c} 0^{\circ} \\ \underline{222} \\ \underline{32^{\circ}} \\ 1 \\ \end{array}$	Info so Prepa Contr	creen are fol	ork	 ▲ → →
RI	-		Duringt			
OFF			Printi			7
Main dragon good	0	Print				
uragon.gcou	C	Quit			30° PL	
rabbit.gcode ship.gcode		Layer Densit	Height: 0.2m :y: 10% pot: PLA	F	X ? Y R 100%	? Z ?? 00h40m +
inshbone.gcc	de	Filaine			aragon.gc	ode

6.10.Send Files via USB

Connect printer to PC with USB. Install CH340 driver first. Click Connect Printer. PC can't sleep.



Click Connect. Click Upload And Print to start. Baud rate 115200.

Status:			
-			
Right:	Left:	Bed:	
	Stop		
	+Y	+Z	
	~		
< -X	★ XY +X	r 🕆 z	
	-Y	.7	
		2-2	
	~	~	
Comments	charle		
Firmware	Check		
			>
			>
Status: Connected			×
Status: Connected Right:	Left:	Bed:	×
Status: Connected Right: -	Left:	Bed:	>
Status: Connected Right:	Left: - Stop	Bed:	>
Status: Connected Right: -	Left: - Stop	Bed: -	>
Status: Connected Right: -	Left: - Stop	Bed: -)
Status: Connected Right:	Left: - Stop	Bed:	>
Status: Connected Right:	Left: - Stop	Bed:)
Status: Connected Right:	Left: - Stop	Bed:	;
Status: Connected Right:	Left: - Stop	Bed:	2
Status: Connected Right:	Left: Stop	Bed:	>
Status: Connected Right:	Left: Stop	Bed:)
Status: Connected Right:	Left: Stop	Bed:)
Status: Connected Right:	Left: - Stop +Y XY +X All	Bed:)
Status: Connected Right:	Left: Stop +Y XY +X All	Bed:	>
Status: Connected Right:	Left: - Stop +Y XY +X All	Bed:	>
Status: Connected Right:	Left: - Stop +Y XY +X All Check	Bed: +Z	>
Status: Connected Right:	Left: - Stop +Y - XY +X All Check	Bed: - +Z - Z	>
	Status: - Right: - - - - - - - - - - - - -	Status: Right: Left: Stop Stop TY Right: Left: Stop Stop Left: All Firmware Check	Status: Right: Stop Stop Left: Stop Stop Left: Stop Stop Trimere Check

6.11.Advanced Parameter Settings

View	Configure Printer Help	•	
	Slicing Settings	×	
	Basic Advanced		١.
Ð	Speed Infill Support Build Plate Adh	esion Retraction Material Travel Machine Line Width	
Ť.	Top/Bottom Speed(mm/s) 30	Initial Layer Speed(mm/s) 22	
1	Outer shell speed(mm/s) 20	Travel speed(mm/s) 65	Ľ
2	Inner shell speed(mm/s)	Raft Top Print Speed(mm/s)	
~	25	40	Ľ
- 1	Infill Speed(mm/s)	Raft Middle Print Speed(mm/s)	
	40	33	
	Support Infill Speed(mm/s)	Raft Base Print Speed(mm/s)	
	45	20	
	Support Interface Speed(mm/s)		
	30		
-	Warping Precaution Seam Others		
	Z Offset(mm)		
	0		
U.	Extra Skin Wall Count		

6.11.1.Speed Tab

Speed	Infill	Support	Build Plate Adhesion	Retraction	Material	Travel	Machine	Line Width	
Top/B	Bottom :	Speed(mm/	s) 46.5		I	nitial Lay	ver Speed(r	mm/s)	26.5
Outer	shell sp	beed(mm/s)	25		1	ravel sp	eed(mm/s)	61	104.8
Inner	shell sp	eed(mm/s)	30						
Infill S	Speed(n	nm/s)	75						
Suppo	ort In <mark>f</mark> ill	Speed(mm	/s) 58.2						
Suppo Speed	ort Inter d(mm/s)	face	39.5						

Options:

- Top/Bottom Speed (mm/s): Top and bottom surface print speed
- Outer/Inner Shell Speed (mm/s): External and internal shell surface print speed
- Infill Speed (mm/s): Infill print speed
- Support Infill/Interface Speed (mm/s): Support infill and top/bottom surface print speed
- Initial Layer Speed (mm/s): First layer print speed
- Travel Speed (mm/s): Non-print movement speed

6.11.2.Infill Tab



- Infill Pattern: Select from Lines, Grid, Triangles, Zig Zag, Concentric, Cross, Octet. Patterns shown below.
- Infill Before Wall: Print infill then walls.
- Outer Before Inner Walls: Print outer then inner walls.
- Infill Patterns:





6.11.3.Support Tab

Speed Infill	Support	Build Plate Adhesion	Retraction	Material	Travel	Machine	Line W	ʻidth
Support Patte	ern:	Zig Zag 🗸		Ena	able Sup	port Interf	ace	V
Overhang ang for support(°)	gle :	60		Sup	op <mark>ort</mark> To	p Thicknes	s(mm)	0.8
Support infill o	density(%):	10		Sup Thie	oport Bo ckness(n	ttom nm)		0.8
Support Top	Gap(mm):	0.18		Sup	opo <mark>rt I</mark> nt	erface Den	sity(%)	70
Support Botto Gap(mm):	om	0.1]	Sup Pat	oport Int tern	erface Infil	L	Lines 🔹
Distance X/Y(r	mm):	0.7						
				Co	nnect Su	ipport		

- Support Pattern: Select from Lines, Grid, Triangles, Zig Zag, Concentric. Same designs as infill patterns.
 - \circ $\;$ Lines easier to remove, for models needing more support $\;$
 - Grid for small models needing less support
 - Zig Zag stronger than Lines, better than Grid, for difficult to remove supports
- Overhang Angle: Angle between support and model surface. Larger = easier removal, smaller = better support. Default 60° .
- Support Infill Density (%): Higher density = stronger support.

- Support Top/Bottom Gap (mm): Distance from support top/bottom to model. Smaller = more effective but harder removal leaving.
- residue, larger = less effective but easier removal for smoother surface.
- Distance X/Y (mm): Horizontal distance from support to model, same effects as Top/Bottom Gap.
- Enable Support: Use supports.
- Support Top/Bottom: Top and bottom support layer thickness.
- Support Interface: Infill percentage inside supports.
- Support Interface Infill Pattern: Select from Lines, Grid, Triangles, Zig Zag, Concentric. Same designs as infill patterns.
- Connect Support: Join separate supports into one.

6.11.4.Build Plate Adhesion Tab

Speed Infill Support	Build Plate Adhesion	Retraction	Material	Travel	Machine	Line Width
Raft Air Gap(mm)	0.24], ,	Brim line	amount	E)	20
Raft Extra Margin(mm)	5		Skirt Line	Count		1
Raft Base thickness(mm)	0.3					
Initial Layer Z Overlap	0.09					

• Raft Air Gap (mm): Distance between raft and model, determines removal difficulty.



- Raft Extra Margin (mm): Distance from raft edge to model surface.
- Raft Base Thickness (mm): Raft thickness.
- Initial Layer Z Overlap: Overlap between model's first and second layers.
- Brim Line Amount: Number of rings added to model edge contacting platform.



• Skirt Line Count: Number of anti-overflow lines at model end contacting platform.



6.11.5.Retraction Tab

Speed	Infill	Support	Build Pl	ate Adhesion	Retraction	Material	Travel	Machine	Line Width	
Horizo	ntal Tra	vel Retracti	on	V		Z Hop	When Re	tracted	V	
Retrac	t at Laye	r Change				7 Hop	Height(m	ım):	0	/
Retrac	tion spe	ed(mm/s):		28		2100	is grate			
Retrac	tion dist	ance(mm):		1.2						
Retrac	tion Min	imum Trav	el(mm):	0.8						

- Horizontal Travel Retraction: Enable filament retract during non-print horizontal moves
- Retract at Layer Change: Retract filament between layers
- Retraction Speed (mm/s): Filament retract speed
- Retraction Distance (mm): Filament retract distance inside nozzle
- Retraction Minimum Travel (mm): Minimum pre-print nozzle move distance before retracting
- Z Hop When Retracted: Enable nozzle lift after retract
- Z Hop Height (mm): Nozzle lift distance after retract

6.11.6.Material Tab

Speed	Infill	Support	Build Plate Adhesion	Retraction	Material	Travel	Machine	Line Width
Filam	ent flov	v(%):	95					
Filam	ent Diar	meter(mm):	1.75					

- Filament Flow (%): Molten filament flow rate based on material. Generally 90 for PLA/PLA Pro, 100 for ABS.
- Filament Diameter (mm): Diameter of filament used. Printer only supports 1.75mm.

6.11.7.Travel Tab

Basic	Advance	ed						
Speed	Infill	Support	Build Plate Adhesion	Retraction	Material	Travel	Machine	Line Width
Comb	ing Mod	le						
Off		~						

- Combing Mode: Nozzle movement when not printing.
 - o Off: Shortest move from previous extrusion to new start
 - o All: Move along already extruded paths
 - No Skin: Avoid outer layers moving to new start, improves quality

6.11.8.Machine Tab

Basic	Advanc	ed						
Speed	Infill	Support	Build Plate Adhesion	Retraction	Material	Travel	Machine	Line Width
Right I	Nozzle [Diameter(m	m)					
0.4								

• Right Nozzle Diameter (mm): Diameter of right extruder nozzle. Printer has single right extruder with 0.4mm nozzle.

6.11.9.Line Width Tab

Speed	Infill	Support	Build Pl	ate Adhesion	Retraction	Material	Travel	Machine	Line Width
Oute	r Wall L	ine Width(n	nm)	0.4	Ī	Skirt/Brin	m Line V	Vidth(mm)	0.4
Inner	Wall(s)	Line Width	(mm)	0.4		Raft Top	Line Wi	dth(mm)	0.4
Top/	Bottom	Line Width	(mm)	0.4		Raft Mid	dle Line	Width(mm	0.7
In <mark>fill</mark> I	Line Wid	dth(mm)		0.5		Raft Base	e <mark>Lin</mark> e W	i <mark>dth</mark> (mm)	0.8
Supp	ort Line	Width(mm)	0.4		Prime To	wer Line	e <mark>Width(</mark> mn	n) 0.4

- Outer Wall Line Width (mm): Outermost wall line width. Lower for finer detail.
- Inner Wall(s) Line Width (mm): Single wall line width for all but outermost
- Top/Bottom Line Width (mm): Top and bottom line width
- Infill Line Width (mm): Single infill line width
- Support Line Width (mm): Single support line width
- Skirt/Brim Line Width (mm): Single skirt or brim line width
- Raft Top Line Width (mm): Line width in raft top surface. Thin for smooth top.
- Raft Middle Line Width (mm): Line width in middle raft layers. Thicker second layer for build plate adhesion.
- Raft Base Line Width (mm): Raft base layer line width. Thick for build plate adhesion.
- Prime Tower Line Width (mm): Prime tower extrusion width

6.11.10.Seam Tab

Note: Z Seam is where printer finishes outer layer, may cause blob/zit when changing Z height. Aligned seams make noticeable line (Z Seam) from oozing at start/stop. Options minimize this.

- Z Seam Type: Determines Z Seam location
 - Shortest: Most time-efficient start/stop
 - User Specified: Set X/Y start/stop
 - Random: Random start/stop prevents column buildup
 - Sharpest Corner: Start/stop at sharpest model corner
- Z Seam X/Y (mm): X/Y location of Z Seam. Only for User Specified type.
- Hiding Seam Preference: For Sharpest Corner type, puts seam inside or outside corner

• Z Seam Relative: Relative to object center or absolute on build plate. Only for User Specified type.

Seam	Others	
Z Sear	m Type	
Short	est	\sim
Z Sear	m X(mm)	
100		
Z Sear	m Y(mm)	
400		
Hiding	Seam Pret	ference
Hide	Seam	\sim
Z Sear	n Relative	

6.11.11.Others Tab

Wall Line Count	
2	
	Extra Skin Wall Count
	0
	Outer Wall Inset(mm)
	0.08
	Wall Line Count

- Skin Layers Thickness (mm): Top and bottom skin layer thickness
- Horizontal Expansion (mm): Fine-tune part size to offset cooling shrinkage for tighter tolerances
- Skin Alternate Rotation: Top/bottom layers change 90 $^\circ$ $\,$ each layer. This adds 45 $^\circ$ rotation every 2 layers.

Normal top/bottom layer directions:



Layer 3 with Skin Alternate Rotation enabled:



- Enable Print Cooling: Direct cooling air at printed part
- Enable Draft Shield: Print wall around model to block external airflow. Used when Print Cooling off for longer cooling materials like ABS.
- Wall Line Count: Number of walls to print

7.CURA

7.1.Installation

Another good slicer for Tina2S. Models sliced in Cura can't preview File Info screen. Custom Cura installer on microSD for Windows and Mac.

OS: Windows 10+ / MacOS 11.7+

7.1.1.Installation on Windows

Double-click exe on microSD, then:

Welcome dialog > Next > I Agree



Choose install directory > Next

Ultimaker Cura 5.3.0		×	G Ultimaker Cura 5.3.0			8
Choose Install Location		-	Choose Start Menu Folder			
Choose the folder in which to install Ultimaker Cura 5.3.0.		C,	Choose a Start Menu folder for the Ultimaker Cura 5.3.0	shortcuts.		C
Setup will install Ultimaker Cura 5.3.0 in the following folder. To install in click Browse and select another folder. Click Next to continue.	a different fold	er,	Select the Start Menu folder in which you would like to cr can also enter a name to create a new folder.	eate the program's	shortcuts.	. You
Destination Folder			Utimaker Cura Accessibility Accessories Administrative Tools aurora]
C:\Program Files\Ultimaker Cura 5.3.0	Browse		Foxmal Intel Tunes letsypn			
Space available: 11.6GB			Logitech Maintenance Microsoft Office 2013			
itimaker Cura 5,3,0			Ultimaker Cura 5,3.0			
< Back Next		ancel			-	

Select file associations > Install. Approve driver install if prompted. Check Run Ultimaker Cura > Finish.



Welcome dialog > Get Started. User Agreement > Agree. If reinstalling, skip to step 6.

User Agreement	
Disclaimer by UltiMaker	
Please read this disclaimer carefully.	
Except when otherwise stated in writing, UltiMaker provides any UltiMaker software or third party software "As is" without warranty of any kind. The entire risk as to the quality and performance of UltiMaker software is with you.	
Unless required by applicable law or agreed to in writing, in no event will UltiMaker be liable to you for damages, including any general, special, incidental, or consequential damages arising out of the use or inability to use any UltiMaker software or third party software.	
	Welcome to UltiMaker Cura
	Please follow these steps to set up UltiMaker Cura. This will only take a few moments.
	Get started
Decline and close Agree	

Next on next two dialogs

He	lp us to impro	ove UltiMaker Cura
UltiMaker Cu	ra collects anonymou experien	s data to improve print quality and user ce, including:
	Machine types	Material usage
	Number of slices	Print settings
	í lí	
Data collected by	y UltiMaker Cura will n <u>info</u>	ot contain any personal information. <u>More</u> r <u>mation</u>
		Next



Add networked printer > Entina > TINA2 PLUS > Next. If First Run skipped, Settings > Printer > Add > TINA2 PLUS > Add, skip to step 8.

G Add Printer X	G Add Printer X
Add printer	Add printer
In order to start using Cura you will need to configure a printer. What printer would you like to setup?	Add a networked printer There is no printer found over your network:
	Refresh Add printer by IP
	Add a non-networked printer C
Learn more about adding printers to Cura 🖸	Add UltiMaker printer via Digital Factory Add

Find "TINA2Plus".Note: Not "TINA2"or"TINA2S", will fail if wrong.

Ad	ld printer	
Add a networked printer		<
Add a non-networked printer		~
ENTINA ENTINA TINA2 PLUS ENTINA TINA2 PLUS ENTINA TINA2 PLUS ENTINA TINA2 ENTINA TINA2S ENTINA TINA2S FablabBcn FablaBcn Fa	ENTINA TINA2 PLUS Manufacturer ENTINA Profile author ENTINA Printer name ENTINA TINA2 PLUS	

Main screen loads with Tina2 defaults. To customize, click pencil > Custom. Infill Density, Support, Platform Adhesion based on model needs.

Infill Density: Overall strength. Low for decorative, high for functional parts.

Support: None for no overhang (cube), Touching Buildplate for plate overhang only, Everywhere for complex overhang.

Platform Adhesion: Brim usually sufficient and easier cleanup. Raft builds sacrificial base layer.

Experiment for best results.

Install complete! See Cura docs for operation details.

Draft - 0.2	2mm	10%	On On	🕁 On	~
Print settings					×
Profile	Draft - 0.	2mm		* ~ (
P Search	settings				Ξ
L Quality					<
🔛 Walls					<
Top/Bot	ttom				<
🔯 Infill					<
Ø Materia	al				<
(?) Speed					<
🗳 Travel					<
& Cooling	()				<
Support	t				<
🖄 Build Pl	ate Adhesi	ion			<
፻፻ Dual Ex	trusion				K
< Recomm	ended				

7.1.2.Installation on MacOS

OS: MacOS 11.7+

Decompress installer. Double-click package, drag Cura to Applications.





Cura-eww-5.3.0mac-20...0427.zip

Curaeww-5.3.0.dmg



7.2. Interface Introduction

S WI	D_Dorus - UltiMaker Cura 微软雅黑 ~ <u>E</u> dit <u>V</u> iew <u>S</u> ettings <u>Ex</u> tensions <u>Pr</u> eferences <u>H</u> elp	<u>∎ ·</u> B <i>I</i> <u>U</u> S = = = =	1 背景填き
UI	tiMaker Cura PREPARE PREVIEW MONIT	OR Marketplace	Sign in
	🗅 🗔 3D printer 🗸 🧕 Generic PLA 🗸 🗸	😅 Draft - 0.2mm 🔯 10% 🏠 Off 🛃 On	· ~
	☐ 3D printer	Print settings	×
	Add printer Manage printers	Profile Draft - 0.2mm	~
	Add a printer If you have more than one device		E
at.	Моче	Quality	<
Ŧ	INOVE	🖾 Walls	<
3	Scale	Top/Bottom	<
5	Rotate	Material	<
	· Press	© Speed	<
Þ	Mirrow	🗳 Travel	<
88	Per Model Settings	₩ Cooling	<
0		Support	~
l₩×	Support blocker	Generate Support C ²	
		Build Plate Adhesion Kecommended	<
	Object list	Slicing	
	∠ WD_Dorus	Slice statement	
	40.2 x 53.6 x 73.2 mm Angle adjustment Angle adjustment	Cancel	

- Menu Bar: Access Cura menu
- Move, Scale, Rotate, Mirror: Adjust model size and position
- Support Blocker: Manually add supports

Right-click model for context menu:

- Center Selected: Auto-center model on platform
- Delete Selected: Remove model
- Multiply Selected: Duplicate multi-part model
- Arrange All Models: Auto-adjust multiple model position and spacing
- Clear Build Plate: Remove all models



7.3. Add Model

Open Cura, click File to load model or drag model in.



7.4. Adjust Model

Click model to adjust size, angle, position.



7.5. Slice

Beginners use defaults without adjustment.

Print settings		>
Profile	Draft - 0.2mm	~
р _{Sear}	ch settings	Ξ
🛓 Quali	ty	<
🔛 Walls		<
📰 Тор/В	ottom	<
🛛 Infill		<
Mate	rial	<
(?) Speed	l <u>i</u> I	<
S Trave		<
& Cooli	ng	<
Suppo	ort	<
📥 Build	Plate Adhesion	<
55 Dual	Extrusion	<

After setting parameters, click Slice to process.





7.6. Send files via Network

Before sending the print file through the network, make sure that the 3D printer is connected to the network, and the IP address is displayed. Please refer to: "**Print by app**".



Click "manage printers"

Ultimal	ker Cura	PREPARE
	TINA2Plus 🗸	J Generic PLA
	Preset printers	
	TINA2Plus	
	Add printer	Manage print
1	J	¥ L

Choose "Connect Octoprint"

Preference	ces	×
General Settings	Printers	
Materials	Activate Add Remove Rename	
Prolites	Preset printers TINA2Plus	
	Indate Firmware Machine Settings Connect OctoPrint	
Defaults		Close

Enter the IP address and click ok to connect

Connect OctoPrint	×	G Manually added	OctoPrint instance	×
Connect to OctoPrint Select your OctoPrint instance from the list below. Add Edic Remove Refresh	3.7.3	Instance Name IP Address or Hostname Port Number Path	80 / In order to use HTTPS or a HTTP username and password, you need to configure a reverse proxy or another service.	
✓ Automatically discover local OctoPrint instances		Use HTTPS HTTP username HTTP password	Cancel	k

Manually added OctoP	Print instance X	Connect OctoPrint	×
Instance Name IP Address or Hostname Port Number Path	192.168.2.235 80 / In order to use HTTPS or a HTTP username and password, you need to configure a reverse proxy or another	Connect to OctoPrint Select your OctoPrint instance from the list below. Add Edit Remove Refresh 192.168.10.131	3.7.3 192.168.2.235 Address 192.168.2.235:80 Version 1.2.4 Justice Anonymous user Please enter the API key to access OctoPrint. You can get the API key through the OctoPrint web page. Istart print job after uploading Ister print job after uploading
Use HTTPS HTTP username			Connect to printer before sending print job Store G-code on the SD card of the printer Confirm print job options before sending Show webcam image
HTTP password	Cancel	Automatically discover local OctoPrint instance	Open in browser Connect

Some versions of Cura need to fill in the API key : 123



7.7. Send Files via TF card

Save sliced model to TF card, insert into printer.



Note: Save directly to TF root, not in folder.

G ET_dragon1 - UltiMaker Cura			- 🗆 X		
<u>File Edit View Settings Exte</u>	nsions P <u>r</u> eferences <u>H</u> elp			_	
👯 UltiMaker Cura	PREPARE PREVIEW	MONITOR	Marketplace Sign in		
Save to Disk			×		
← → · ↑ 🖬 > USB Driv	e (F:)	ۍ ب	Search USB Drive (F:)		
Organize 👻 New folder			E= - ()		
Desktop ^ Na	me Date mod	ified Type Size			
Downloads	No	items match your search.			
Music					
Videos					
Windows (C:)					
Local Disk (D:)					
USB Drive (F:)					
USB Drive (F:)					
Network					
File name: El_dragon1 Save as type: G-code File	(*.gcode)		<u> </u>		
A Hide Folders			Save Cancel		
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8. KIRI

Go to https://slice.wiibuilder.net/kiri/ for Chrome OS or iPad.

Setup > Machine to select printer model



Find "TINA2Plus".Note: Not "TINA2"or"TINA2S", will fail if wrong.

FDM	SLA T	Nombre Volume X Z Axis Speed L	100 Y imit	TINA2 110 Z	Ex Filamento Boquilla
Dispositive	LASER USE Estánda	Output Time Factor Filament Source Retracción De Firmware Centro De Origen Cama Circular		direct v Compo Gompo Select Deselet	Compensació Compensació Select Deseleccionar
Any Generic Marlin D120		Cama De Cinta	1		
GEMMA ME40		Macros De Gcode			
TINA2 PLUS TINA2S		Encabezado	Pie	Сара	Progreso
Mis Dis	positivos				

Files > Import to load model



Tools to adjust model size and position.



Slice > Export to TF card for printing.

