CREALITY

Create reality, achieve dreams

HALOT−ONE PLUS

HALOT−ONE PLUS

3D Printer User Manual

V1.0

Thank you for choosing our products.For the best experience,please read the instructions before operating the Printer. Our teams are always ready to render you the best services. 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 can also access how to use the printer in the following ways:

View the accompanied instructions and videos in the U disk.

Visit our official website www.creality.com to find relevant software/hardware information,contact details and operation and maintenance instructions.

Firmware/Software Downloads and Upgrades

The product has access to both LycheeSlicer and CHITUBOX. WIFI printing and access to the Creative Cloud are under development.

Slicing software supported：

Download the firmware and HALOT BOX slicing software at: https://www.creality.com

Download the CHITUBOX slicing software at: https://www.chitubox.com

Download the LycheeSlicer slicing software at: https://lychee.mango3d.io

NOTES

1. Do not use the printer any way other than described 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. Please use recommended resin in case damage to machine.

5. Do not use any other power cable except the one supplied. Always use a grounded three-prong power outlet.

6. Please do not open the plastic cover during usage, otherwise the printing will be interrupted.

7. Do not wear cotton gloves when operating the printer. Such cloths may become tangled in the printers moving parts leading to burns, possible bodily injury, or printer damage.

8. Please wait after the print is finished. please wear gloves to take out the print tools.

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.

10. Children under 10 years should not use the printer without supervision.

11. Tips Do not plug or unplug the power cord when power on.

12. Users should comply with the laws and regulations of the corresponding countries and regions where the equipment is located (used), abide by professional ethics, pay attention to safety obligations, and strictly prohibit the use of our products or equipment for any illegal purposes. Creality will not be responsible for any violators' legal liability under any.

Contents
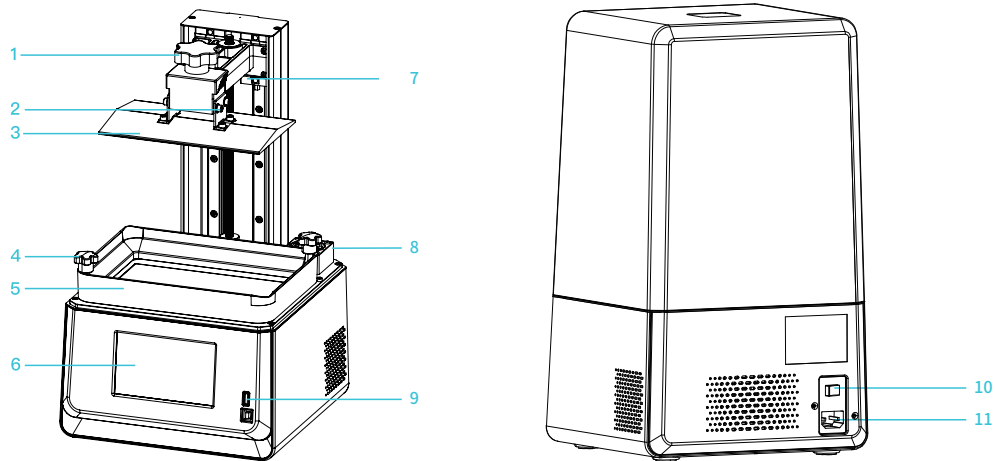
1	Hexalobular socket screw	5	Resin vat	9	USB port
2	Leveling screw	6	Touch screen	10	Power switch
3	Platform plate	7	Limit sensor	11	Power receptacle
4	Resin vat fixing screw	8	Air filter		

2. Equipment parameters

| Basic Parameters	
Model Name	HALOT-ONE PLUS
Build Size	172*102*160mm (length*width * height)
XY Axis Resolution	4320*2560
XY Axis Accuracy	0.04mm
Print Speed	1-4S/ layer
Layer Thickness	0.01-0.2mm
Touch Screen	5 inch touch screen
Light Source Type	Integral Light Source(wavelength 405nm)
Rated Voltage	100-240V~,50/60Hz
Rated Power	100W
Machine Size	236*243*418 mm
Package Size	310*300*530mm
Net Weight	6.8KG
Gross Weight	8.6KG
Print Method	USB Disk，Creality Cloud App, Creality Cloud Online, WiFi Print
Machine Language	中文(简/繁)/ English/ Español/ Deutsche/ Français/ Русский/ Português/ Italiano/ Türk/Nederlands/Polskie/日本語/한국어
Slicing Software Operation System	Win7/Win8/Win 10 64bit, Mac system(32-bit is not supported)
Compatible Resin	Common rigid photosensitive ,Standard resin ,High hardness ,High toughness ,Dental model resin

3. Parts Content List
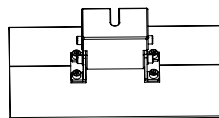
① Print platform x 1
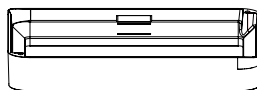
② Resin vat x 1
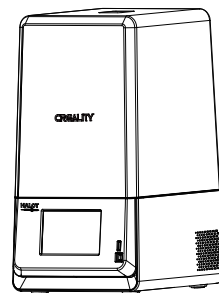
③ 3D printer x 1

Tool list

① U disk x 1

② Screwdrivers x 1set

③ Power cable x 1

④ Paper funnel x 2

⑤ Metal blade x 1

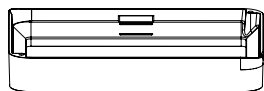⑥ Release film x 1

⑦ Plastic blade x 1

⑧ Calibration card x 1

⑨ Tray fixing screw x 2

Tips: the above accessories are for reference only lease refer to the physical accessories!
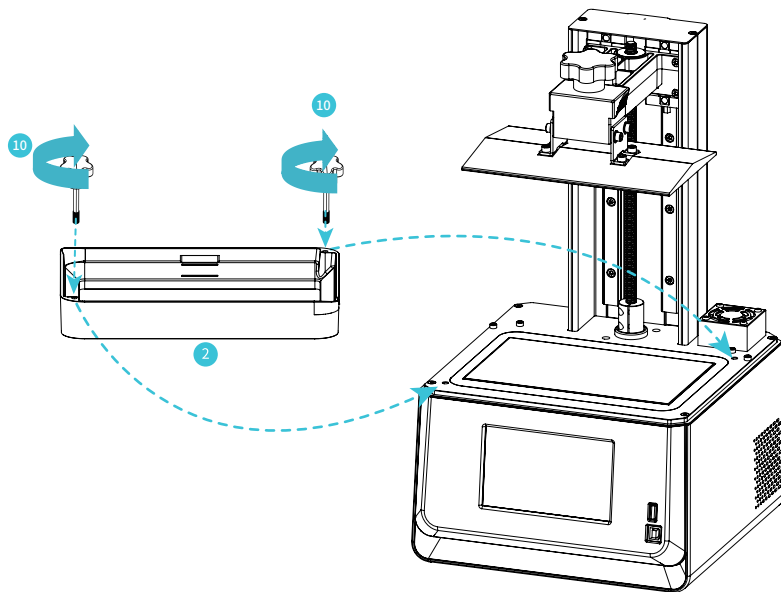
4. Assemble the 3D Printer

Take out the resin vovt align the two tray fixing screws with the corresponding holes and tighten them to fix. (as the picture shows)
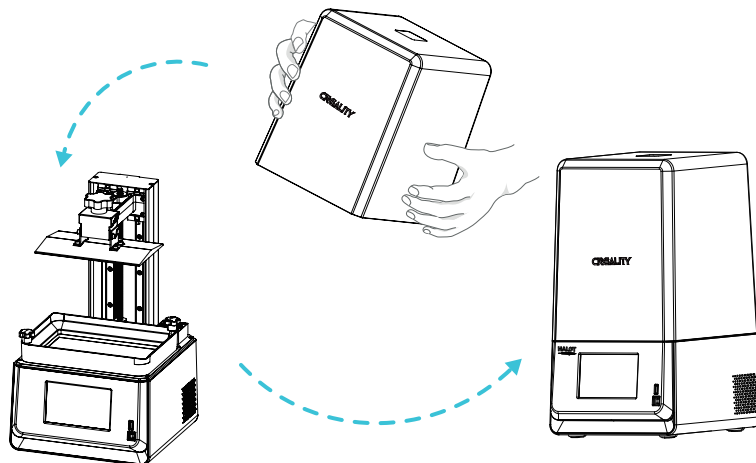
2 **Resin vat x 1**

9 **Tray fixing screw x 2**
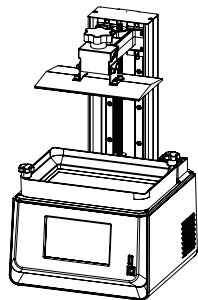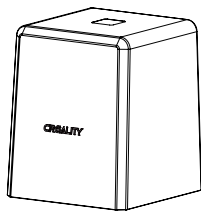
Machine body x 1

Plastic Upper cover x 1

Note: put the upper cover on the machine body and the installation is completed.

Settings

CREALITY	Settings	Settings	Settings
Printing Settings	Cleaning WIFI Print Settings Update Details Other Settings	Please confirm whether you need to clean the trough? OK Cancel	Clearing screen... WIFI Print Settings Update Details Other Settings
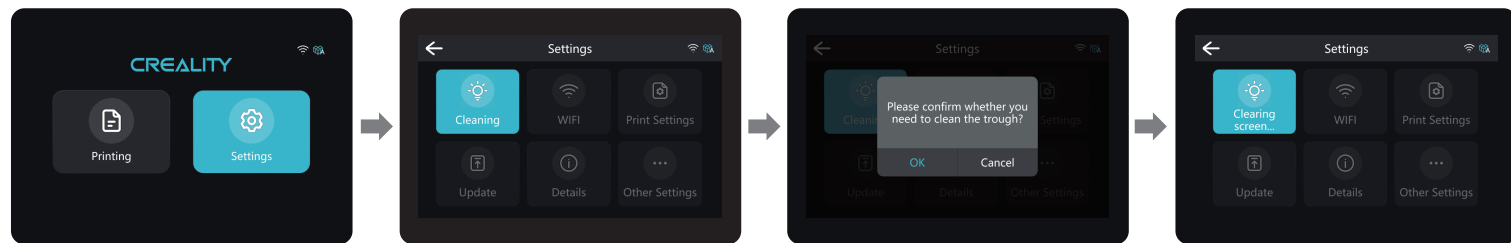
Note: Check whether the light source is normal The UI interfaceis only for reference , the actual UI.
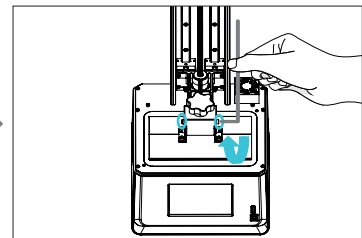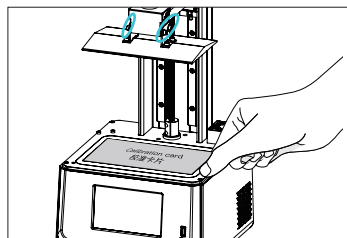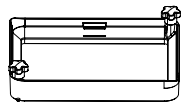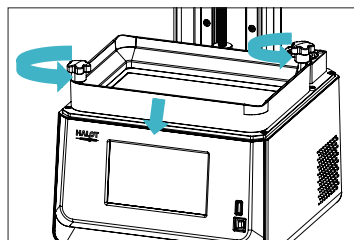
1. Raise the platform, loosen rubber screws on the left and right sides of the resin vat, and take out the resin vat.

2. Loose the four screws on the connecting plate on molding platform plate, attach calibration card on the printing screen, press Settings →Print Settings→ Z axis movement →Leveling, Check whether the platform fits evenly with the paper by referring to the steps on Page 8.

3.After confirming that the calibration card fit evenly, lock the four screws of the platform.

Note: The platform has been leveled at the factory. If it needs leveling due to transportation or other reasons, please follow the steps below to adjust the printing platform.
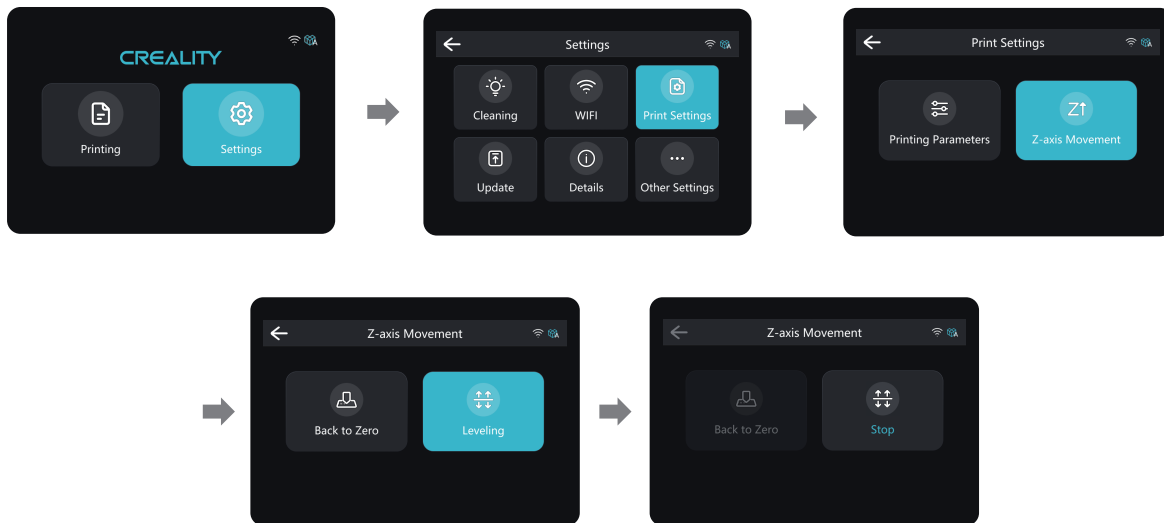
Note: The UI is only for reference only and shall be subject to the actual UI.

Pour the UV photosensitive resin into the resin vat. The slot capacity is 250ml/450ml/650ml.


650ml
450ml
250ml
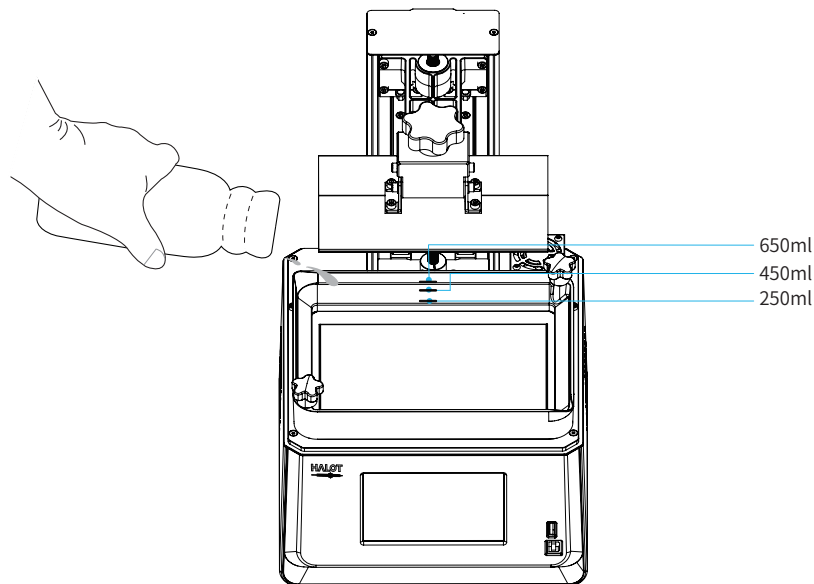
💡 Tips: How to change resin?
Take out the resin vat slowly, pour out the remaining resin into the container, clean the resin vat, pour in new resin,and then install the resin vat to the machine.
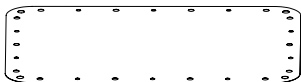
⚠ Caution: Resin may cause skin irritation or an allergic skin reaction. Please wear gloves before use to avoid direct contact with the skin.
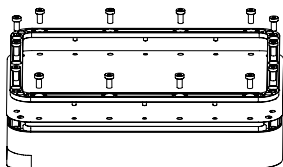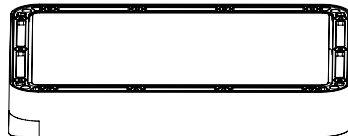
8. Release Film (FEP) Replacement

a.

b.

c.

d.
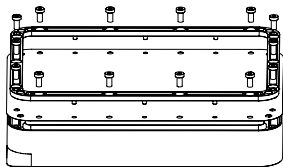
a. First, remove the 14 screws at the bottom of thetray and take out the broken release film (FEP).

b. Then place the release film between the two steel frames.

c. Finally,put the assembled steel frame back into the tray and tighten 14 screws.

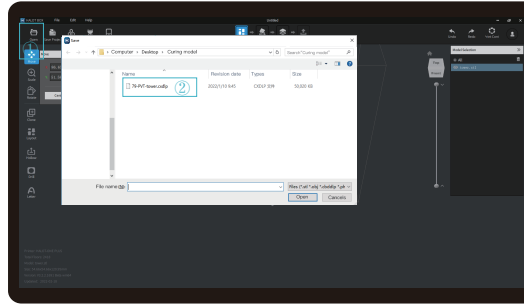d. The installed release film is as show.

Parameters

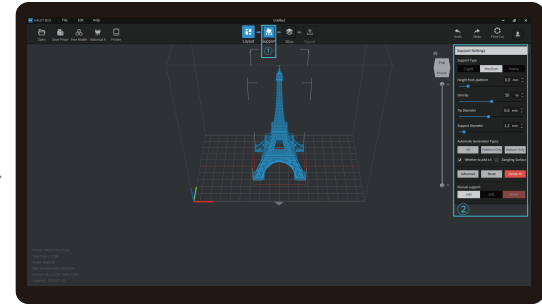Size：216*158mm

H

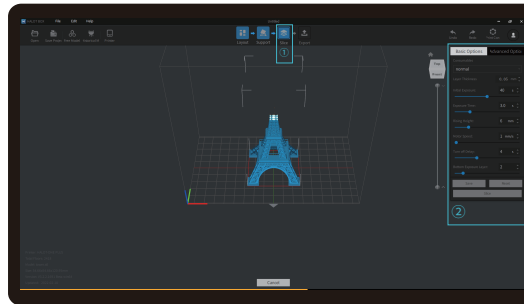Thickness：0.15-0.2mm

Light Transmittance：95%
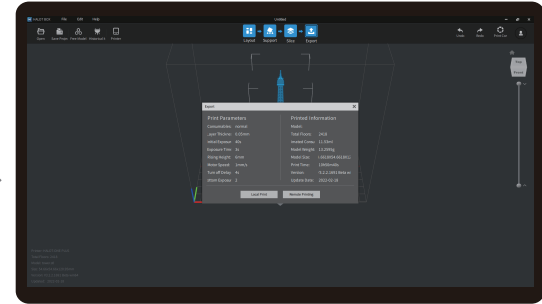
1. Slicer

1. Open the slicer software of HALOT BOX, click "Open" on the top left of the screen and add model file;

2. If the model needs to add support, click the upper left icon① to set corresponding parameters②.

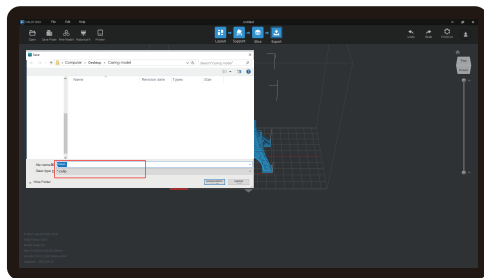3. Click icon ①→Setting slice printing parameters②→Click

4 wait for slice to be finished→Select "Local Printing" to save the sliced file.
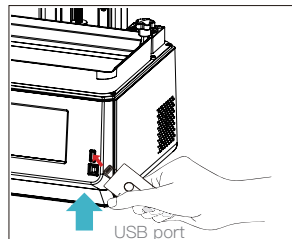
Note: The published UI of slicing software shall prevail for the interfaces of HALOT BOX, LycheeSlicer and CHITUBOX.

2. Print

1. Generate cxdlp file and save the file to U disk

USB port

2. Insert the USB disk

Note: The UIinterface is for reference only,and shall be subject to the actual UI.

Warning: During the printing process the machine can't be shaken, so as not to avoid influencingaffect the printing quality.
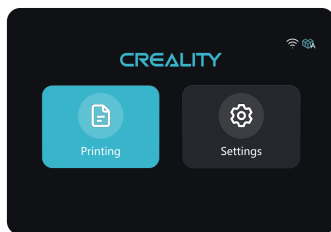
1. Select USB disk files;

2. Choose to use parameters；
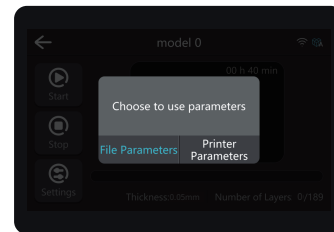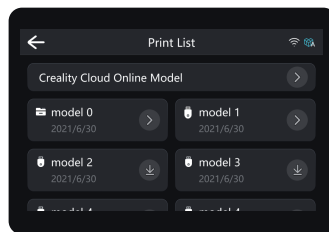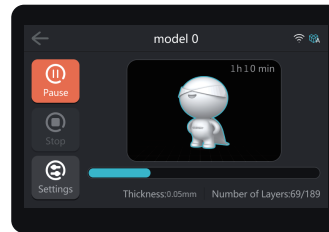
3. Press "Start" button

4. Printing···

Note: The UI interface is for reference only, and shall be subject to the actual UI. The machine stores the file being printed by default.

Make sure WiFi is correctly connected before using online printing
Steps: Settings → WiFi → Select the corresponding WiFi.

Warm Tips: ① Only 2.4GHz WiFi is applicable to the 3D printer, and it cannot be connect to 5GHz WiFi routers;
② Only WPA-PSK/WPA2-PSK security protocol is applicable to the 3D printer, and other protocols may result in the failure to connect the printer to WiFi properly. To change the security protocol, users may change it in setting interface of the router.
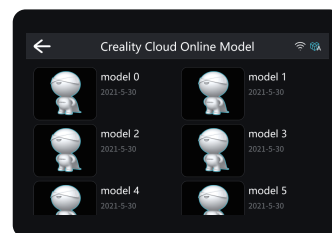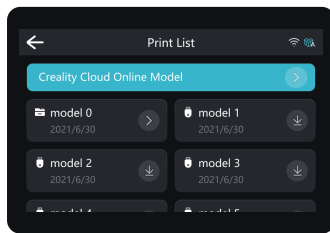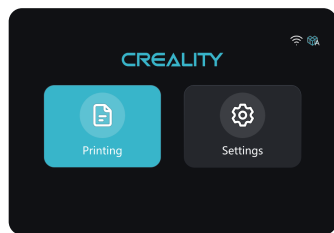
1. Click Creality Cloud online model；

2. Select the model;
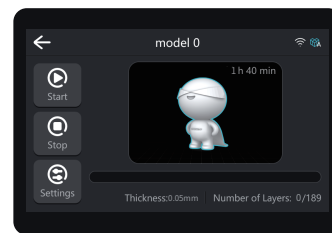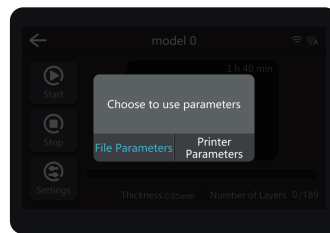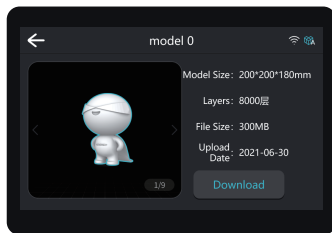
3. Download the model;

4. Choos to use parameters；

5. Click "Start" to print.

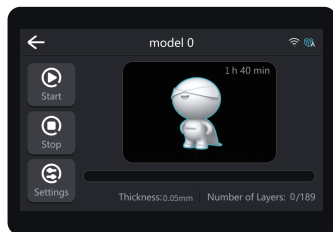Note: The UIinterface is for reference only,and shall be subject to the actual UI.

11. Creality Cloud App Print

1.Download
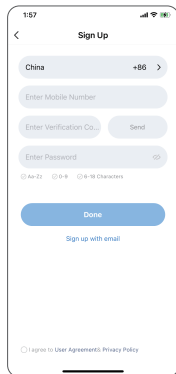
2.Register

3. Add equipment

4. Scan QR Code
Settings → Detail →
Connect to Creality Cloud → QR code

5. Device naming
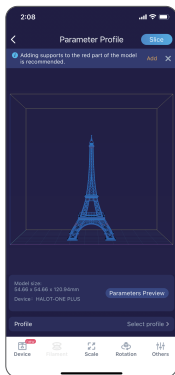
6. Select model, set the printer and parameters, and click "Slice".
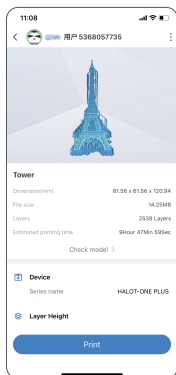
7. Upon completion of slicing, click "Printer".

8. Select device
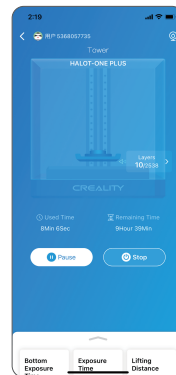
9. Print progress

Notes:
1. The steps for adding devices vary for different mobile phone operating systems;
2. Set the correct area in "Settings - Other Settings - Language and Area".
3.Make sure WiFi is correctly connected before using online printing.

1. Slicer
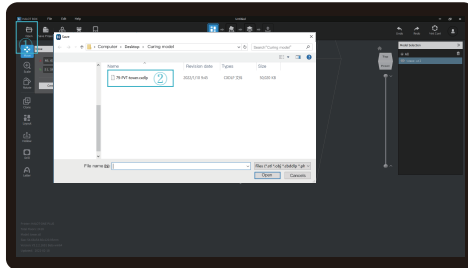
1. Open the slicer software of HALOT BOX, click "open" on the left of the screen and add model file.
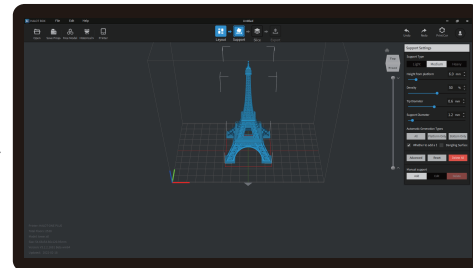
2. If the model needs to add support, click the upper left icon to set corresponding parameters.
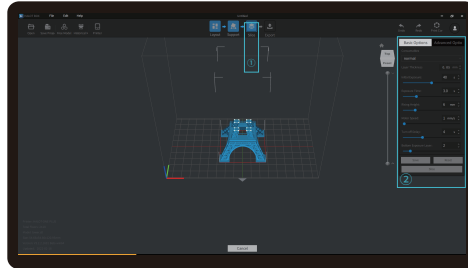
3. Click icon ①→Setting slice printing parameters②→Click.
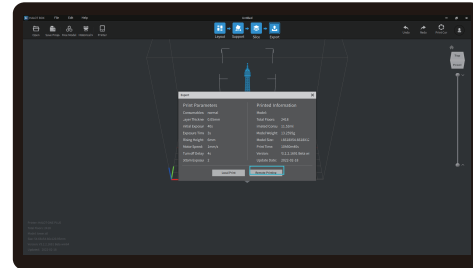
4. wait for slice to be finished→Select "Remote Printing" for WiFi printing.
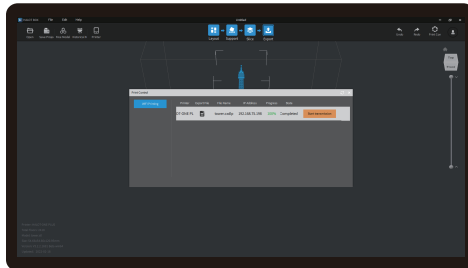
5. Once the transmission is over, select the file on the machine to start printing.

Note: Make sure the HALOT BOX and the printer are connected to the same WiFi.

UL LED fan port

Exhaust fan port

Power Supply port

UV LED POWER EN port

Z motor driver port

Z axis limit switch

USB HOST port

Printing screen port

Spare brush firm-
ware interface

Tips Only used for production
debugging,Consumers do not
use it.

RGB screen port

14.Troubleshooting

Workflow	Fault diagnosis	Fault cause	Fault handling	Result feedback

Start → **Print from storage card** → **Y/N**

Is file identified or not — N → U-disk → 1. Wipe USB disk / 2. Format USB disk / 3. Replace USB disk

Is file identified or not — Y → Other files can be printed normally or not — Y → Slice → 1. Move model position and slice again / 2.Use the repair software to repair model.

Auto homing → **Y/N**

Move or not — N → Axis motor → 1. Reconnect circuit / 2. Check by substitution

Move or not — Y → Exceed the home — Y → Limit switch → 1. Reconnect circuit / 2. Check by substitution

Attach to the printing screen tightly → **Y/N**

— N → Leveling → 1. Leveling operation

The screen is on → **Y/N**

Wire connection — N → 1. Reconnect circuit

Wire connection — Y → 1. Replace screen

Z-axis motor → Z motor rotates or not — Y → Coupling → Fasten coupling

Z motor rotates or not — N → Z-axis motor → 1. Reconnect circuit / 2. Check by substitution

Finish

Process result:
- Problem solved
- Component damage, replace continuously
- Unknown malfunction, please contact the after-sales

FCC Statement

FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

IC Cautiont:

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

To maintain compliance with RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux apparei ls radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Pour maintenir la conformité aux directives d'exposition aux radiofréquences, cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

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