KinGee KG406 Pro series

User Manual

TronHoo®
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KINGEE

List of parts

Main body	User Manual	USB
Power Cord & Adapter	Printing platform	Resin Vat.
Paper funnel	FEP film	Gloves、Scrapers
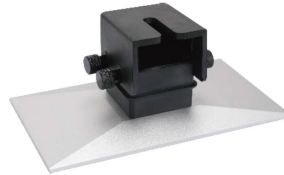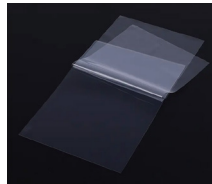
General Specifications

Technology	LCD Vat Photopolymerisation	Operating Software	CHITU, Lychee
Operating Temperature	10°C～30°C	File Formats	.STL
Relative Humidity	30%～90%	Display	3.5 " TFT Touch Screen
Storage Temperature	0°C～30°C	Language	English / 中文
Supported Materials properties	Photosensitive resin	System	Windows 7 and above
Layer Thickness	0.025mm/0.05mm/0.075mm/0.1mm	Wavelength	405nm
Printing Speed	20-60 mm/h	Light Source	COB+Fresnel lens
Product Dimensions	242(L)×212(W)×370(H)mm	Product Weight	4.7 kg
Package Dimensions	330(L)×300(W)×500(H)mm	Shipping Weight	6.6 kg

Specifications of KG406 Pro (6" 2K Mono LCD)

Build Volume	130.56 x 82.62 x 150 mm	Power Input	24V DC 2.5A
Resolution	2K (2560 x 1620)	Adapter Output Power	48W
X/Y Resolution	47 µm	Connectivity	USB connection/WiFi connection

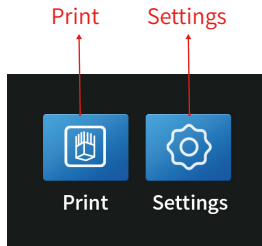## Specifications of KG406 Pro Max (6.6" 4K Mono LCD)

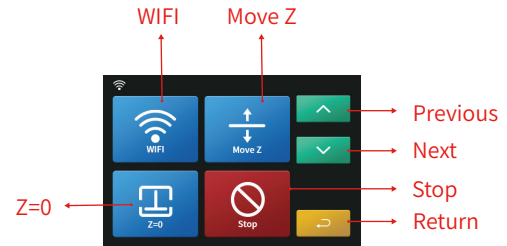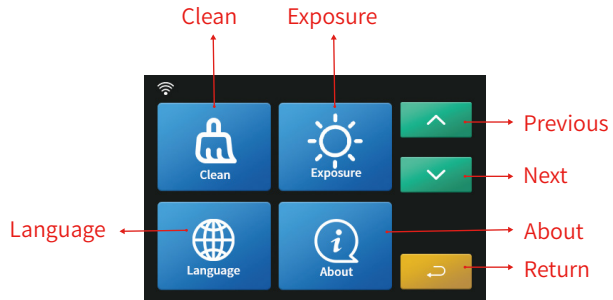|			
Build Volume	143.43 x 89.6 x 150 mm	Power Input	24V DC 2.5A
Resolution	4K (4098 x 2560)	Adapter Output Power	60W
X/Y Resolution	35 µm	Connectivity	USB connection/WiFi connection

Overview

Platform cantilever

Printing platform

Resin Vat.

Touch Screen

Platform fixing knob

Platform fastening screws

Z-axis screw

guide

Foot pad

Cover

Machine shell

USB slot

Cooling vent

Power switch

Power slot

Menu Operation

1. Main menu

Print   Settings

Print   Settings

2.1 Settings 1

WIFI   Move Z

WIFI   Move Z

Previous
Next
Stop
Return

Z=0

Z=0   Stop

2.2 Settings 2

Clean   Exposure

Clean   Exposure

Previous
Next
About
Return

Language

Language   About

3.1 Print

Dragon.zip   Triceratops.zi

Previous
Next

Dragon.zip   Dragon.zip
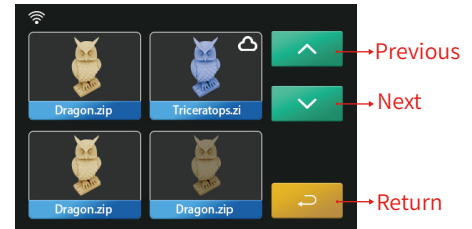
Return

Menu Operation

3.2 Select the file

delete

Start

Return

Dragon.zip

3.3 Start

Cancel

Pause

Settings

📁: Dragon.zip 📑: 18/1951
⏳: 00h02m ⏳: 11h39m

10%

4. Wi-Fi

WI-FI

🛜 Tronhoo

🛜 Tronhoo

🛜 Tronhoo

Previous

Next

Return

5.1 Move

Z Axis 0.1mm 1mm 10mm

move up

move down

Stop

STOP

Return

5

Menu Operation

5.2 Set Z=0

This step will affect the position of Z=0, continue?
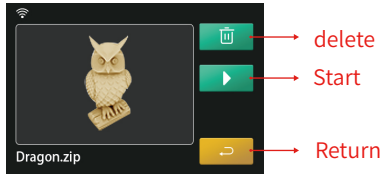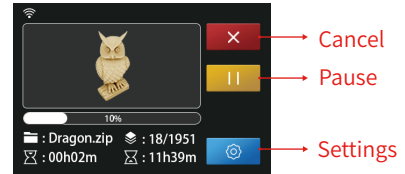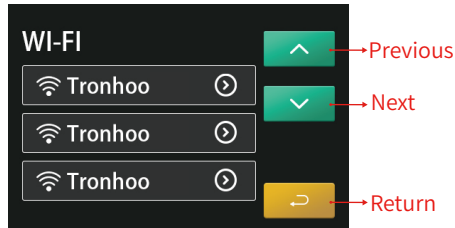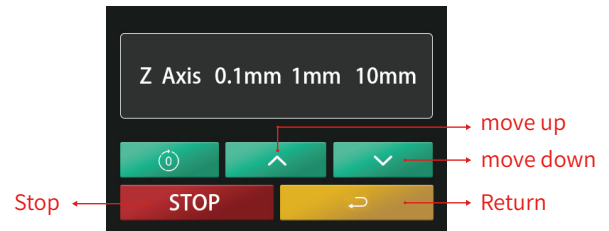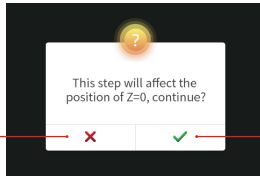
Cancel ← ✕ ✓ → Confirm

6. Clean the Vat.

100%

Please clean the resin vat.
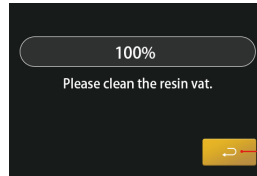
→ Return

7. Exposure test

8. Language

简体中文	English	Français
Deutsche	Español	Português
Italiano	日本語	한국인
Русский		

→ Return

9. Info

Type: KG406 Pro
Version: V1.0.1
Company: Shenzhen TronHoo
Intelligent Technology Co.,Ltd.
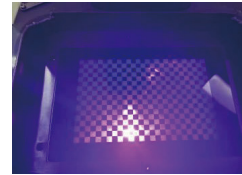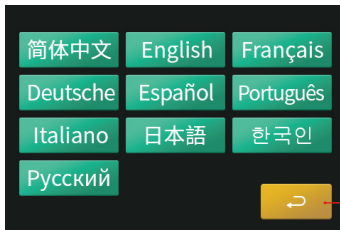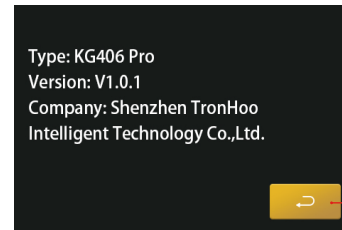
→ Return

Setup Manual

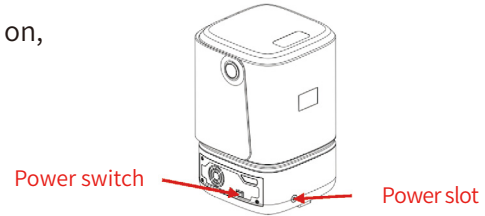● Take out the printer, connect power cord to the printer and turn it on, as shown in fig. (1) ;

Power switch

Power slot

Fig. (1)

● Click on the touch screen <Settings> ⚙ -<Move Z> , select <10mm> 10mm step size and click to rise the Z axis. Check and keep the LCD screen and the platform clean and free of debris, as shown in fig. (2) ;

WIFI   Move Z   Z=0   Stop

Print   Settings
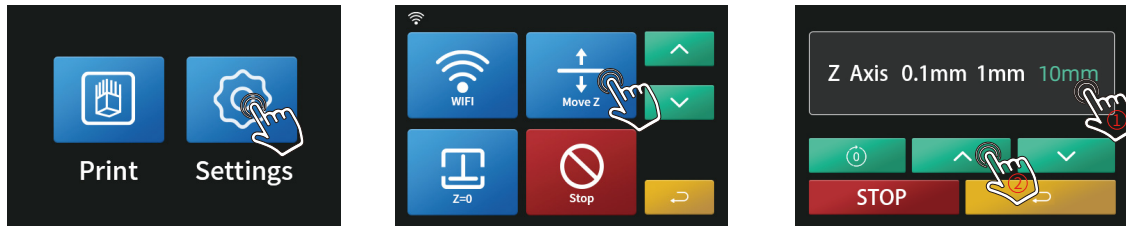
Z Axis 0.1mm 1mm 10mm

STOP

Fig. (2)

● Loosen the fixing knob and the fastening screws on the printing platform so the platform can be rotated freely. Install the platform onto the platform bracket and push it to the end. Lastly tighten the platform fixing knob, and make sure the platform fastening screws are loose, as shown in fig. (3) ;
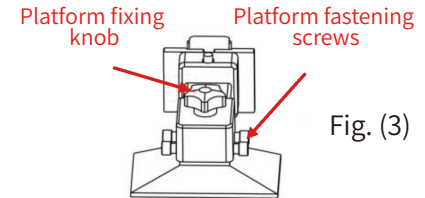

Platform fixing knob

Platform fastening screws

Fig. (3)

Setup Manual

● Click < HOME > ⬛, wait for the Z axis to descend and then it will stop automatically, as shown in fig. (4) & (5) ;

Fig. (4)
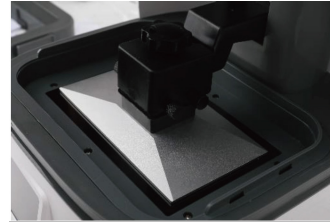
Fig. (5)

● After the Z-axis descends and stops, gently press on top of the platform with your hand, to let it fit evenly on the 2K LCD screen and ensure that the printing platform is parallel to the LCD screen. Then fix the fastening screws as tight as possible, as shown in fig. (6) ;

Fig. (6)

● Re-raise the platform, and the level rises about 120mm, click on the touch screen <Return> [↩] to Setting 1, click <Next> [⌄] to enter Settings 2, then click <Exposure> [☼] -<Next> [Next] to check whether the light source is working normally, as shown in fig. (7) ; The screen should display the same as the figure below and the image indicates that the UV lights work perfectly, as shown in fig. (8) ;
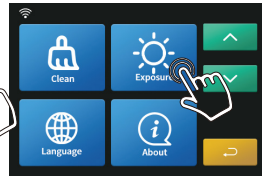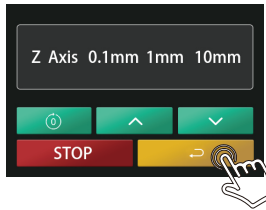
Click here to change the exposure time.

Fig. (7)   Fig. (8)

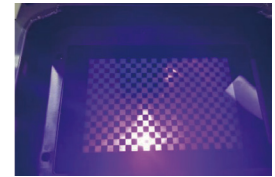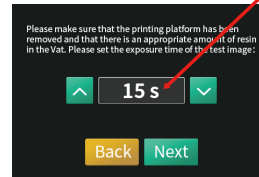● Before putting the resin Vat. into the machine, please make sure the FEP film is tight. If the FEP film is not tight, please tighten the screw on the bottom of the resin Vat. to fix the FEP film; then follow the steps in the figure below to install it. Put the resin Vat. back and fasten the buckles on both sides to complete the leveling (as shown in fig. (9) & (10) .
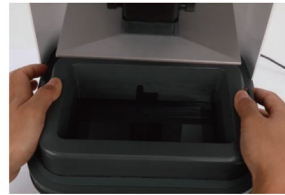
Fig. (9)   Fig. (10)
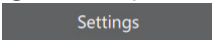
Import config file into Lychee Slicer

Method 1: In Lychee slicer, click <3D Printer> [icon] to enter < Printers and resins >, click <Add> [Add]
or + [icon] , select KG406 Pro Max in the alternative models, the config file (*.lyp) will automatically match it .

Method 2: The config file (*.lyp) of this printer is stored in the attached USB, which can be imported into the slicing software Lychee to simplify the slicing software settings, thereby facilitating slicing and printing.
In Lychee slicer, click <3D Printer> [icon] to enter < Printers and resins >, click <Import> [Import] , and select the config file (*.lyp) of the printer.
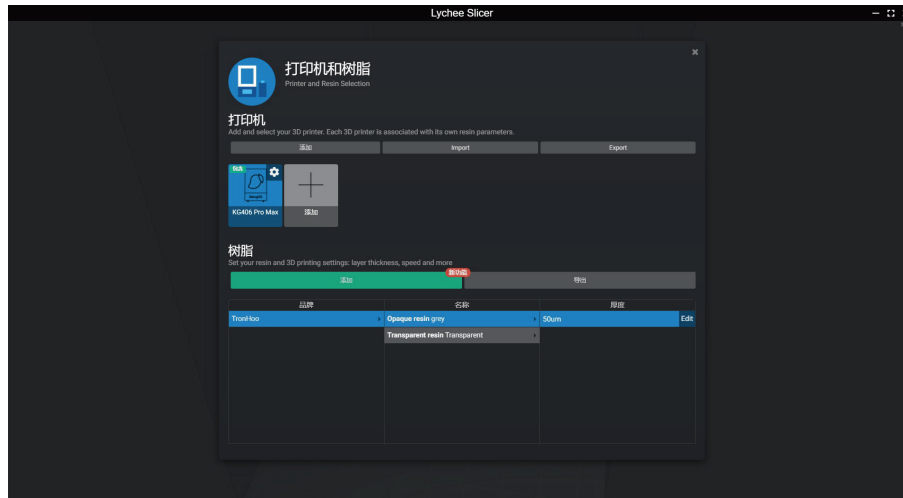
Import config file into CHITUBOX Slicer

The config file (*.cfg) of this printer is stored in the attached USB, which can be imported into the CHITUBOX slicer to simplify the slicing software settings, thereby facilitating slicing and printing.
In CHITUBOX slicer, click [⚙] , click [Settings] to enter, click <Import profile> [↴] , and select the config file (*.cfg) of the printer.
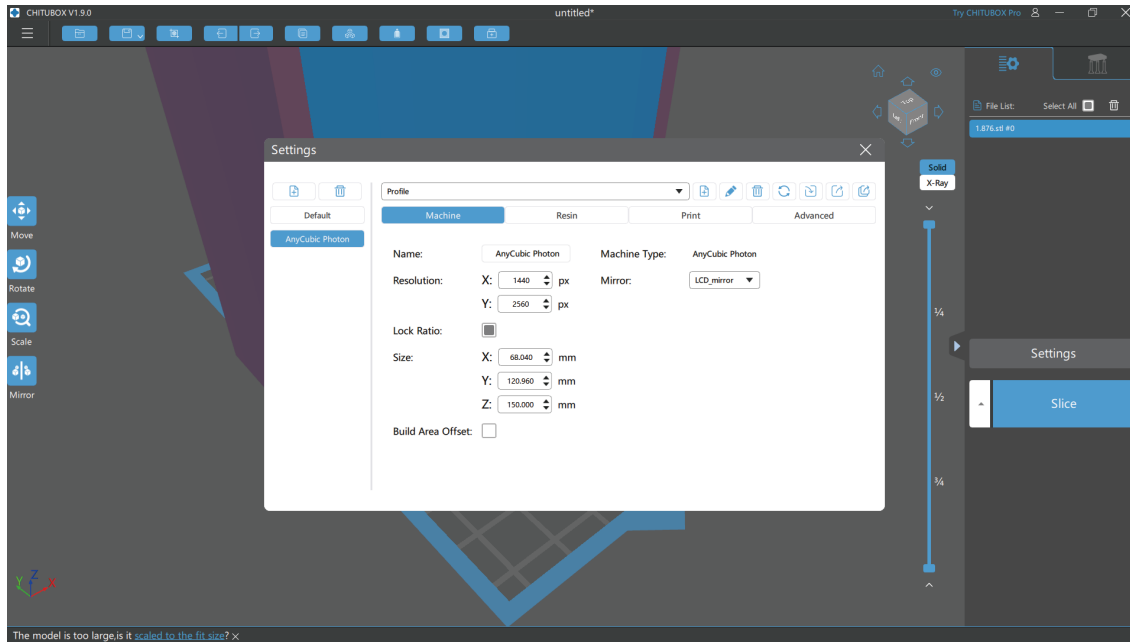
Slicing software operation

This product is attached with "Slicing Software Operation Instructions", which is stored in the attached USB. At the same time, users can download through the network. The download address is:
www.tronhoo3d.com/download/

How to transfer model files over WiFi connection?

● Select the <WIFI> in Settings 1, find the available LAN in the available network and enter the password, the printer will automatically obtain an IP address and display it on the touch screen, the user can log in to the IP address through the computer browser for transmission (note that : Make sure that the computer and the 3D printer are in the same WiFi environment)

WI-FI	
IP:	192.168.132.241
WIFI:	TronHoo
STATE:	Connected
Reconnect	Back

192.168.132.241

Upload files
Select the file   No files selected
Submit

files
Submit

Upload files
Select the file   Tower.zip
Submit

Written 57550 bytes
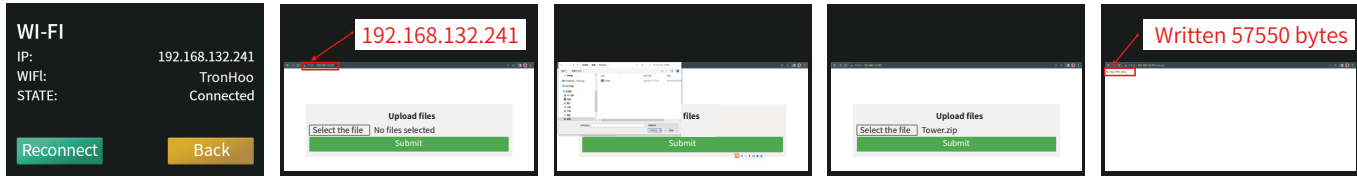
How to clean the resin Vat.?

● After the printing fails, there may be some residue left in the resin Vat.. To avoid crushing the LCD screen during leveling, and to prevent it from affecting the printing effect, the resin Vat. needs to be cleaned. Go to <Clean> 🧹 in the Settings 2, adjust the exposure time according to the residue situation (such as quantity, particle size, distribution, etc.), click <Next> Next to expose, and remove all the residues as much as possible into a film.

Clean	Exposure	^
Language	About	↩

Please make sure that the printing platform has been removed and that there is an appropriate amount of resin in the Vat. Please set the exposure time of the test image:

∧ **15 s** ∨

Back   Next
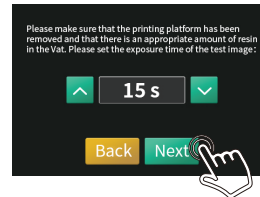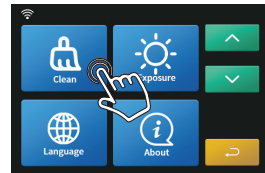
Use Instruction

Always follow the use instruction during assembly and usage, to avoid any unnecessary damage to the 3D printer or individual injury.

- After receiving the 3D printer, please check the packing parts first. If any parts are missing or damaged (non-human damage), please contact after-sales service within 3 days to reissue. (If you do not contact after-sales service within the specified time, the possible costs will be borne by the customer.)

- Wear gloves and mask to avoid direct skin contact when using. If resin splashes into the eyes or mouth accidentally, rinse with plenty of water.

- Always use the LCD 3D printer in an open and well ventilated area. It is recommended to use the 3D printer indoors and avoid direct sunlight and dusty environment.

- Recommended ambient temperature is 10°C-30°C, and the ambient humidity is 30%-90%. Use outside this range may result in poor printing results.

- In case of emergency, please immediately shut down the power of the 3D printer and contact the technical support.

- It is recommended to use goggles when cleaning/sanding the printed models to avoid small particles contacting eyes.

- Please keep the 3D Printer and its accessories out of the reach of children.

- Please don't disassemble the 3D Printer by yourself, which will cause your warranty to expire. Please contact the after-sales service if you have any questions.

- If you do not use the printer for a long time, please pay attention to rain and moisture protection for the 3D printer.

Notice

● For continue product improvement, all the contents in this manual is subject to change without notice.

● All the contents in user manual are provided for reference only. Actual product features and specifications (including but not limited to appearance, color and size), as well as actual display contents (including but not limited to backgrounds, UI and screen snaps) may vary, and should be subject to actual product.

● All data in this manual are theoretical values obtained by TronHoo internal laboratories through tests carried out under laboratory conditions. Actual performance may vary owing to differences in individual products, software versions, application conditions and environmental factors. All data is subject to actual usage.

● We reserve the right of final explanation.

Shenzhen Tronhoo Intelligent Technology Co., Ltd.

📍 201, Block 7, HangchengZhigu · Future Industrial Park,
Bao'an District, Shenzhen, Guangdong, P.R.China

☎ (+86)755-2790-8975 Ext 846
✉ support@tronhoo3d.com

Get more information from the flash disk in the package.
Visit our website: **www.tronhoo3d.com** regularly to learn more about the latest news and updates.

FCC Warning Statement

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

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.