

3D Printer User Manual

| Important Statement



Thank You for choosing KOKONI 3D printer. We Hope You're enjoy the experience!

We strongly recommend you reading this manual carefully before operating your printer. Using the printer indicates that you have both read this manual and agreed to the safety instructions listed below.

KOKONI is dedicated to providing the best possible service. To reach our customer support, please feel free to contact us by phone or email provided at the end of this manual.

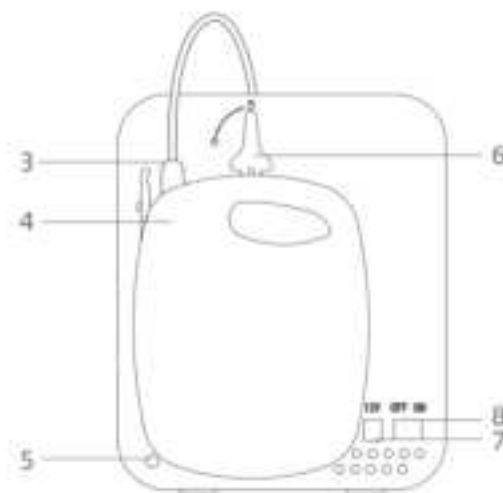
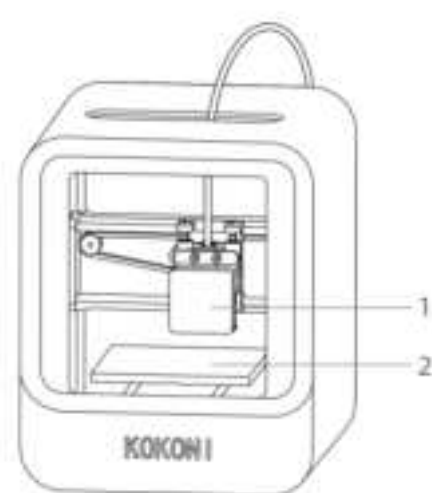
For better experience, please visit our official webs to www.kokonid.com for hardware and software related information, contact information, operating and maintenance information, and so on.

Maxin (Huzhou) Technology Co., Ltd reserves the right to revise and construct this user manual.

| IMPORTANT SAFETY INSTRUCTIONS

1. Do not attempt to use the printer for any other unintended purposes not mentioned in the manual, as doing so may result in personal injuries or property damage.
2. Do not position the printer near any combustibles, explosives or heat sources. A well ventilated, cool and dustless environment would be best.
3. Do not place the printer in a vibrating or unstable environment. The shaking of machine may cause print quality issue.
4. Please use the power adapter we provide to connect the printer to a nationally accredited two hole power outlet, don't use other adapters to connect the printer. To reduce the risk of fire or electric shock, do not expose the printer to rain or moisture.
5. Do not wear woven gloves while operating the printer as they could be rolled in via the moving parts, which could result in bodily body injuries.
6. Keep any part of your body off the moving nozzle and the printing platform, while the printer is operating.
7. The models printed out by the printer are not edible.
8. Do not loosen any screws of the machine to prevent electric shock.
9. To guarantee the printing quality and a standard service life of the printer, please use the filament we recommend.
10. Maintain the printer on a regular time basis, switch off the printer to clean the sheet with a piece of dry cloth, clean up filament slag in the printing chamber by tweezer and check whether there are some foreign objects on the belt.
11. To avoid injuries, it is forbidden for children aged 10 or less to operate alone.
12. Users should strictly comply with the relevant local laws and regulations of any residing region or country, observe professional ethics and ensure safety while using this product. Otherwise, they should bear corresponding legal liability.

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1. Printing nozzle assembly

2. Printing platform

3. Filament outlet

4. Filament chamber

5. Network configuration button

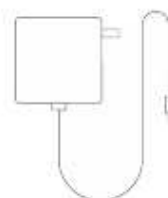
6. Filament replacement switch

7. Power input

8. Power switch



Tweezer*1



Power adapter*1



Printing plate*1
(Pre-assembled)

Note: Please wait till the white indication light stop flashing before operating the device.

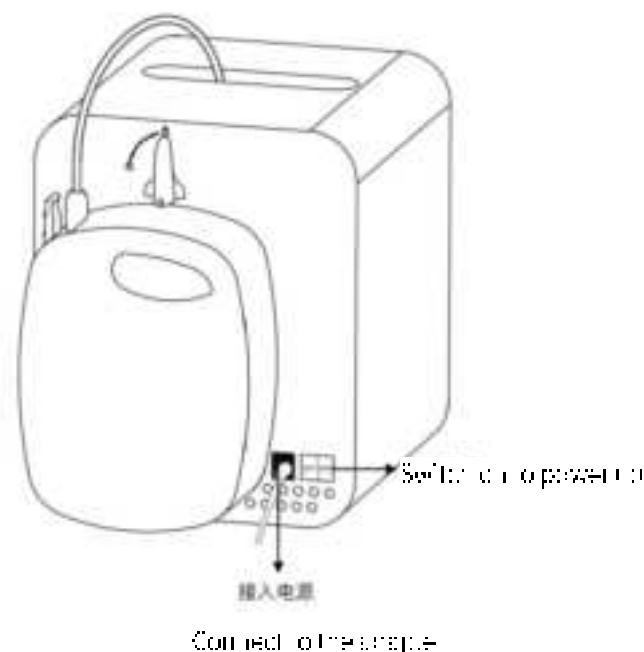
| Product Specifications



Description	Model No.	Dimensions	Printing size
KOKONI 3D Printer	KOKONI-FC1	188*172*231 mm	100*100*58 mm
Execution standard	Net weight	Rated voltage/Current	Rated power
GB 4943.1-2011	3.1 kg	DC 2V/5A	60W
Forming technique	Number of nozzles	Nozzle diameter	Nozzle temperature
FDM/FFF	Single nozzle	0.4 mm	≤260°C
Printing speed	Printing layer thickness	Compatible file format	Raw material of filament
80 mm/s (MAX)	0.04~0.35 mm	STL, OBJ, etc.	Modified PLA

| Environmental Specifications

Environmental condition	Recommended value	Allowed value
Temperature	18~25°C	10~27°C
Humidity	Relative humidity 20~60%	Relative humidity 10~70%
Altitude	Not applicable	0~2000 m



1. After turning on the Power switch, there will be a beep sound and the indicating light in white color will start to flash (to ensure better print quality, please place the printer on an flat and stable place).

2. Wait for the printer to perform its power-on self-test procedure. This may take about 30 to 60 seconds. Then, the white indicating light will stop flashing, and the printer is ready for use.

Tips:

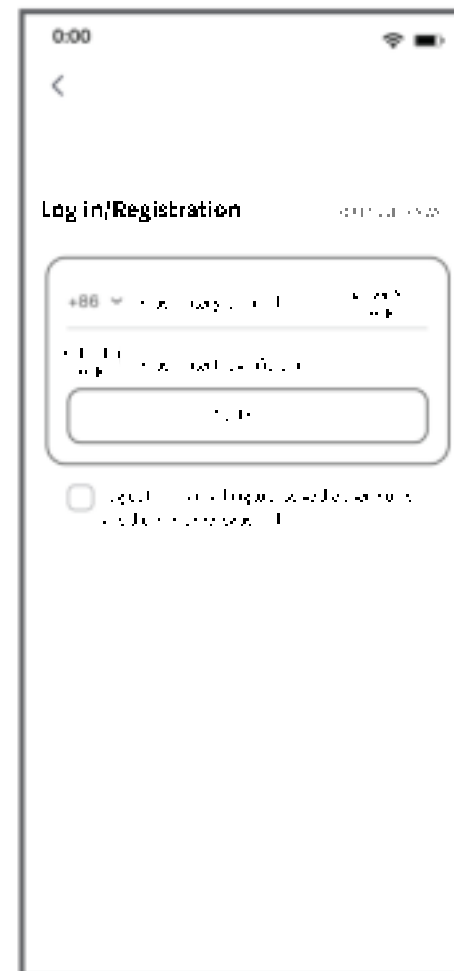
You can download the printer control KOKONI App during the power-on self-test of the printer.

| Indicator status

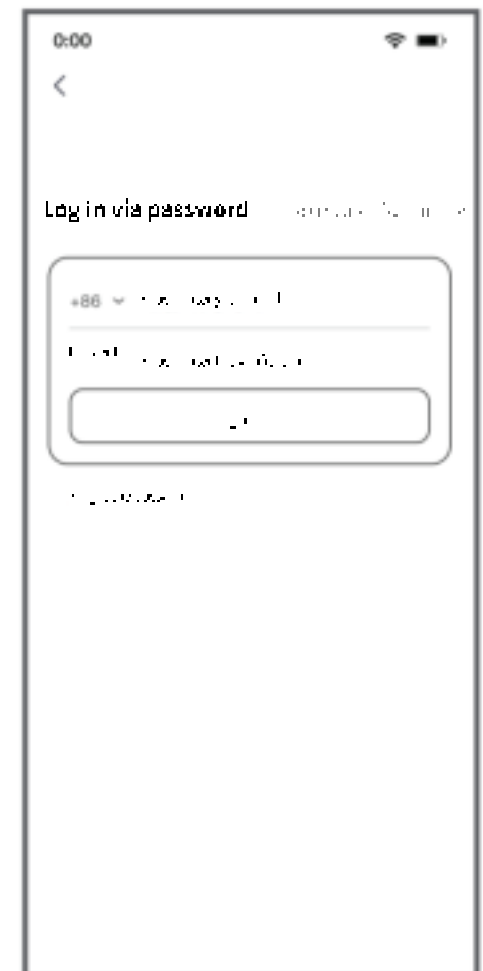
Printer status	Indicator light	Status of indicators
Printer self-inspection	White	Flash
Printer network configuration	White	Off
Printer normal condition	White	On
Incorrect Wi-Fi password	Orange	On
Filament replacement	Orange	On
Maintenance mode	Orange	On



1.Scan the QR code to download the KOKONI App

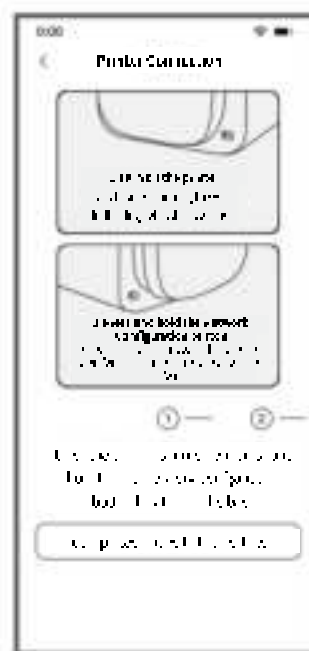


2.Register/Log in.





1. And a trial.



2. Press and hold the Network Configuration button. It appears when it indicates that the Network Configuration mode has been selected.



3. Printer hotspot connection. Go through Settings-Wi-Fi to connect to the printer hotspot of (KOKONI3-xxxx), with the password of 12345678.



4. Connection to user's WiFi. Return to KOKONI App and enter the SSID and password of the currently available WiFi to use. To use to use KOKONI printer connected to the net.

Attention

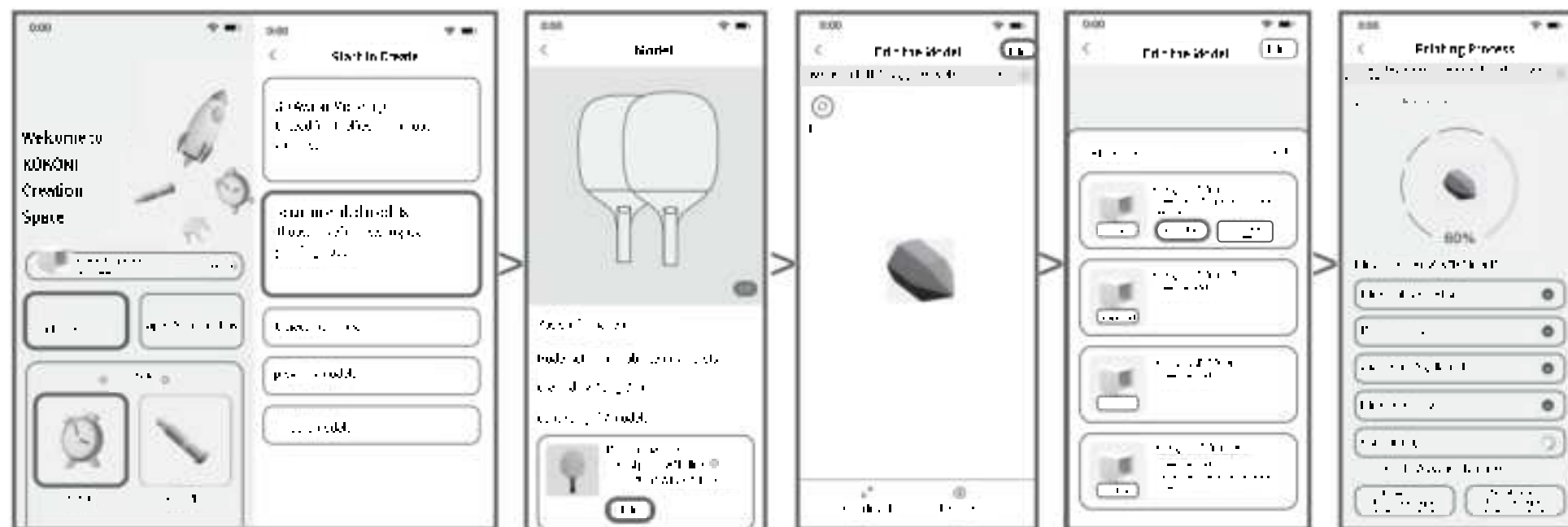
For some phone models, it would take some time to search for a hotspot, please wait/refresh or just turn off the WiFi function and restart it.

2. The following functions have to be turned off for some phone models: Wi-Fi Security Inspection, Wi-Fi Network Intelligence, Selection, connect to the Best Wi-Fi Network and Automatically Switch to the Cellular Network.

If you encounter problems in WiFi network configuration, please check the following diagnosis procedure:

Confirm the WiFi account and password, and make sure the WiFi entered is the current environment WiFi instead of KOKONI3D hotspot.

2. To ensure that the network environment is good. If the problem still exists, change to another network. Since Wi-Fi is not compatible for the WiFi network configuration instructions designed for smart phones of various models, please refer to the Operation Guidance of the App.



1. Choose a model:

- (1) Home - Start to Create - Recommended Models.
- (2) Home - Top Left Models - Select a Model.

2. Click 'Print' on the model detail page.

3. Click 'Print' on the model editing page.

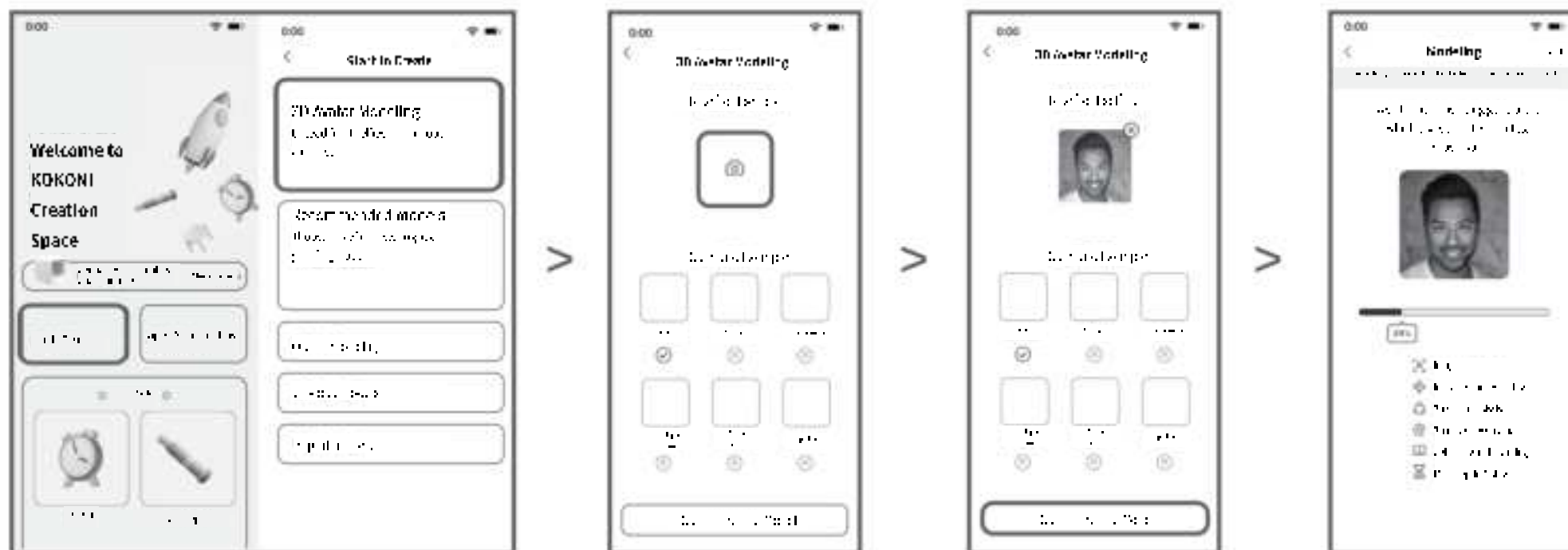
4. Select the printer and Click 'Print' to print.

5. While printing, you can pause or cancel the printing task.

Attention

After printing starts, the printer usually takes about 2 minutes to heat up. Please wait patiently.

2. Under no circumstances should you touch any moving parts as injuries could be inflicted. Be aware of the hot nozzle. If anything goes wrong in the printing process, click Cancel to terminate printing or just unplug the power adapter. In such case, try not to make contact with either the nozzle or the printing bed.



1. Home - Start to Create - 3D Avatar Modeling

Copyright © 2021 KOKONI. All rights reserved. KOKONI is a trademark of KOKONI.

2. Click 'Upload Photo'

Copyright © 2021 KOKONI. All rights reserved.

3. Click 'Start Modeling'

Copyright © 2021 KOKONI. All rights reserved.

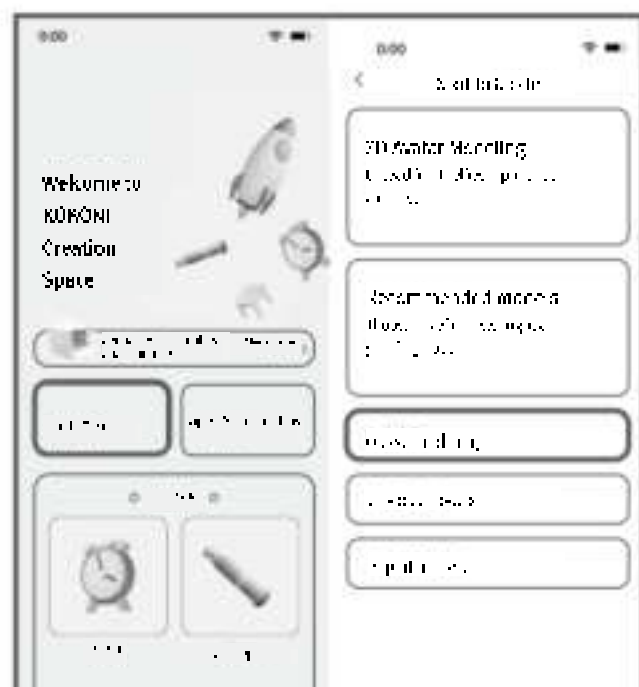
4. 3D Avatar modeling
Finished, go to confirmation
then.

Attention:

1. 3D Avatar modeling requires (1) Upload self's capturing on providing photos via a smartphone; (2) When taking photos, fix up the person sufficiently and make the person's face towards the camera without being blocked; (3) Don't put on hair when taking photos; (4) Don't take photos like this; (5) Upload high definition photos; (6) Do not upload a photo of more than one person.

Please be noted that this function is only suitable for modeling living human beings faces.

2. If you are prompted with 'No face', please change to a bright, clean, simple environment, remove your glasses, and wear a mask to protect your face.
3. If you are prompted with 'Image is not suitable', please try to take pictures with your camera, and don't upload pictures such as Gifs.



1. Home - Start to Create 3D Water Modeling



2. Click 'Upload Photos'



3. Take photos around the object with each movement of the viewing angle less than 20 degrees



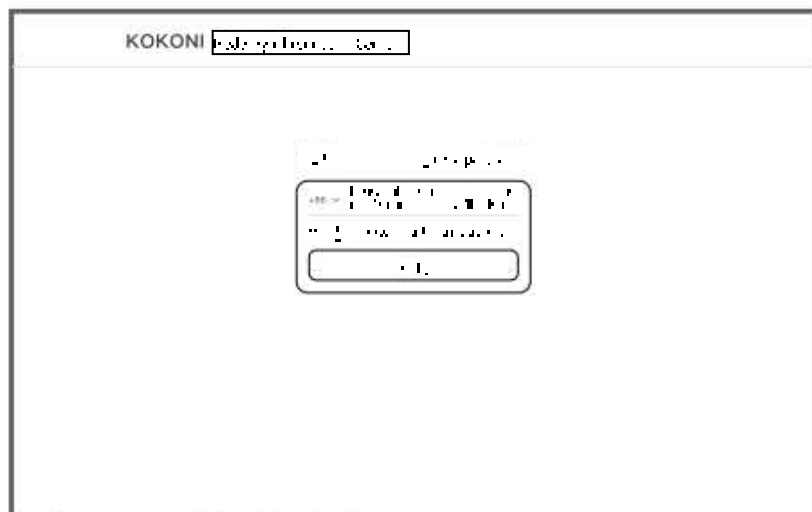
4. Taking at least 20 photos, and then click 'Start to Take a Photo'

Attention

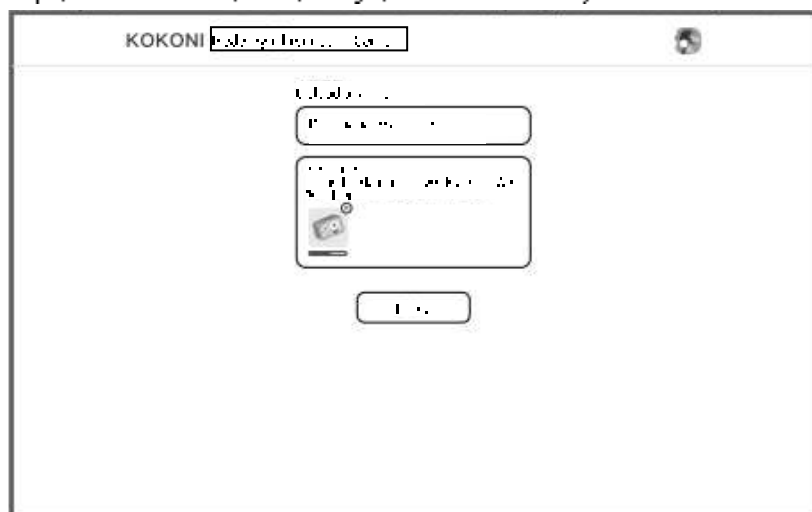
Object modeling is based upon precise 3-dimensional measurement of 20-300 images taken around the object with each movement of the viewing angle less than 20 degrees and one overlaying another by more than 60%.

② The system will automatically verify whether the uploaded photos are qualified or not. At least 20 qualified photos are needed for modeling.

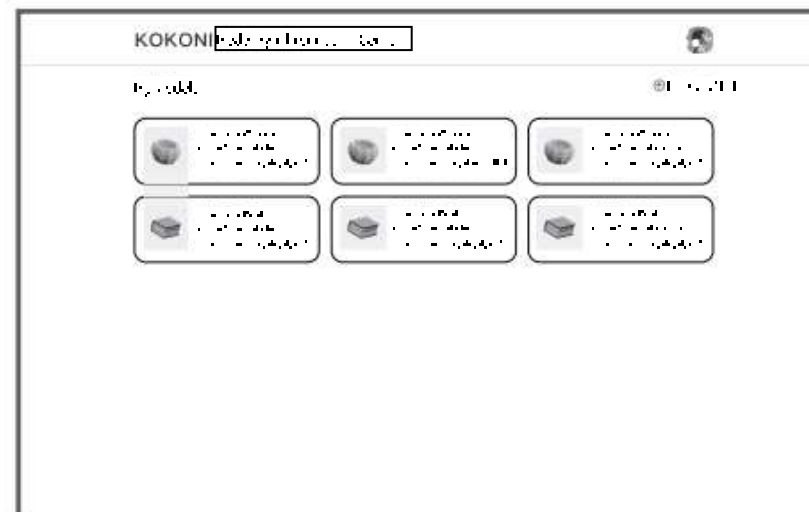
As reconstructed via a computer algorithm, the modeling process takes about half an hour in the background, and you can exit this page during the course of modeling. When finished, a message will pop up to notify you, if the function of 'Push Notification' is activated on. You can then check the model in 'My Models'.



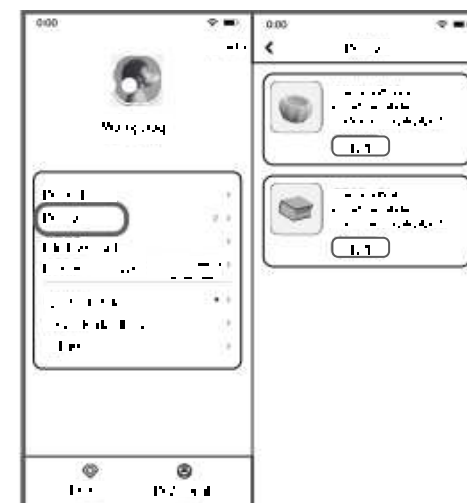
1. Access the KOKONI model synchronization website:
<https://www.kokonitool.com/#pages/model.Synchronization>



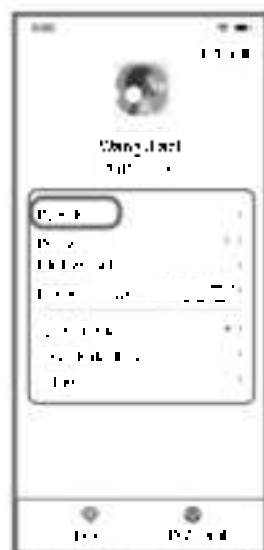
3. Upload the model



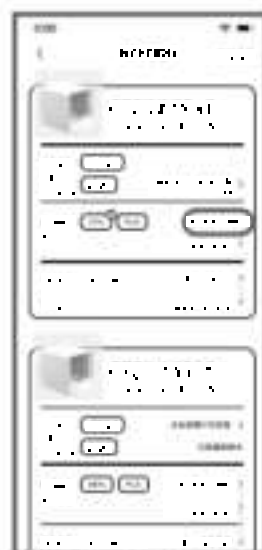
2. Enter 'My Models' and click 'Upload Model' in the right upper corner



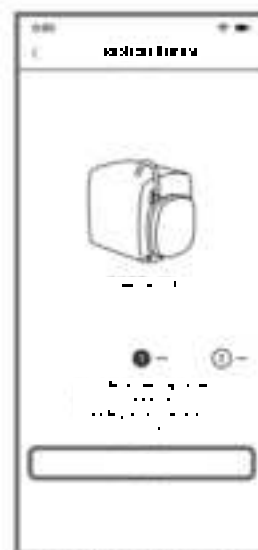
4. Go to 'My Account' 'My Models' to view all uploaded models.



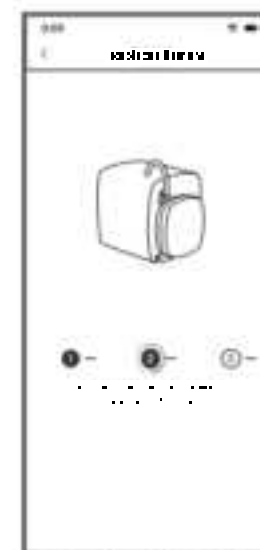
1 Check by Menu



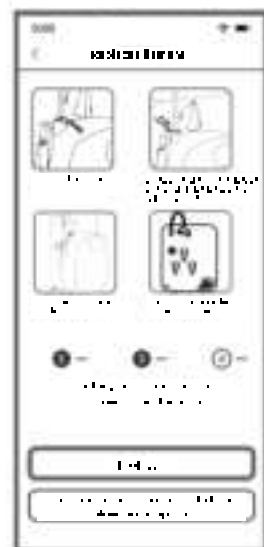
2 Click on Filament menu



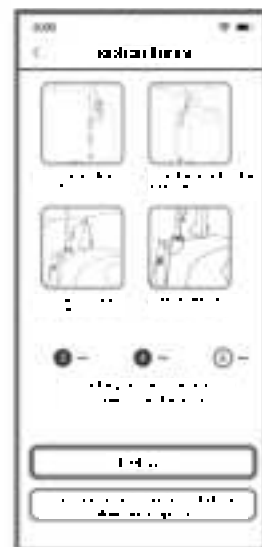
3 Click on Filament on the filament box



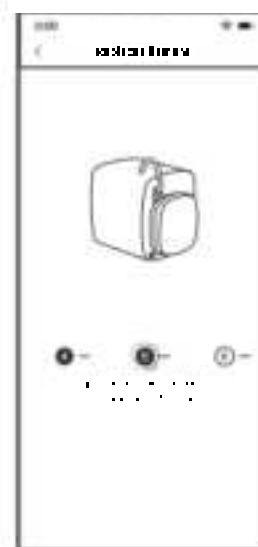
4 Click on Filament on the filament box



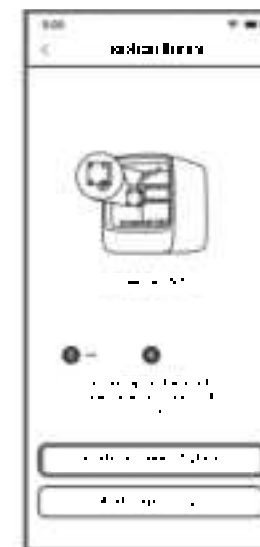
5 Release the filament box and click on the filament box



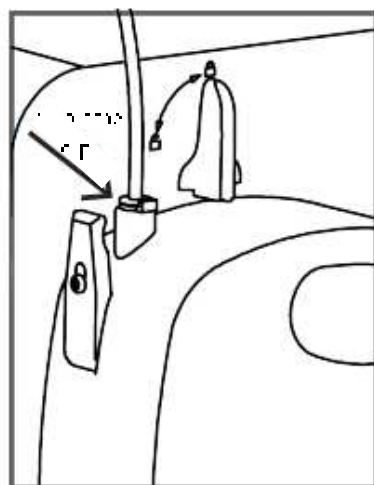
6 Release the filament box and click on the filament box



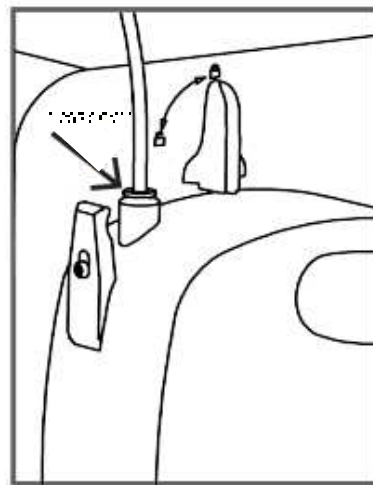
7 Release the filament box and click on the filament box



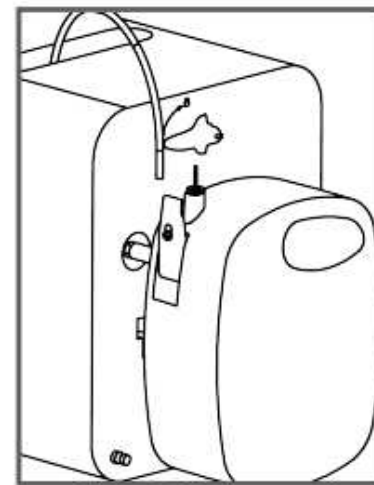
8 Release the filament box and click on the filament box



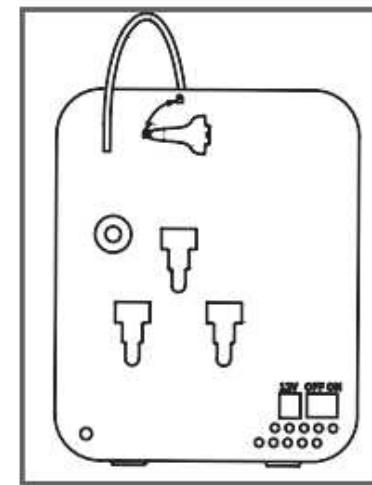
9. Pull out the white clip.



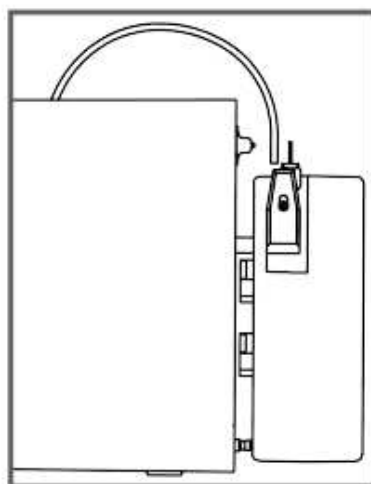
10. Press the black collar to remove the white guiding tube as well as the remaining filament.



11. Turn the main power switch.



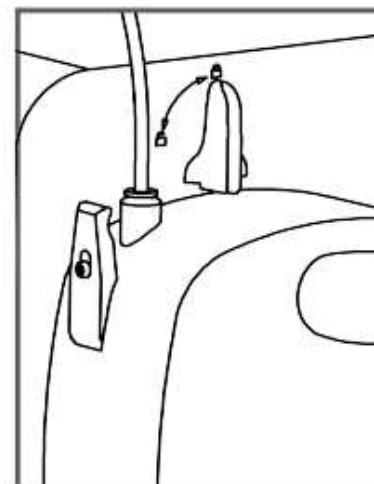
12. Fit the new filament box.



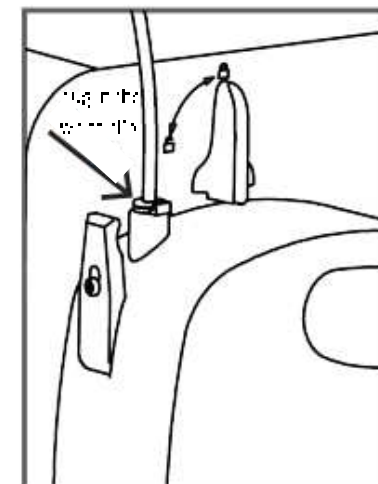
13. Stick the new filament inside.



14. Insert the filament into the white guiding tube.



15. Turn the power switch again.

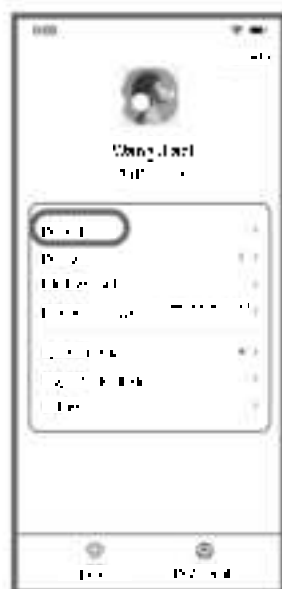


16. Plug in the white clip.

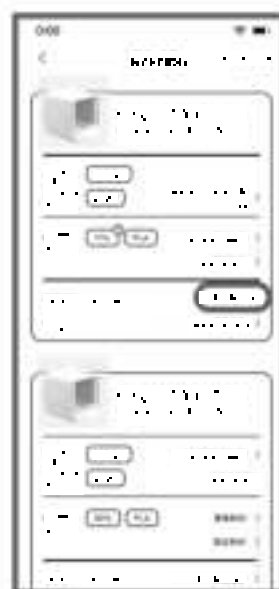
| Printer Maintenance



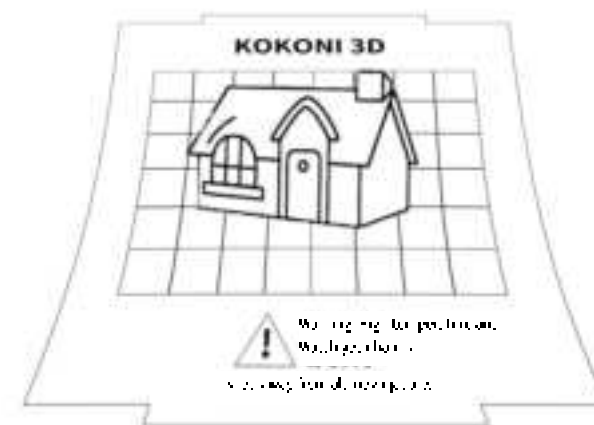
In case the model is unable to be taken out from the printbed, or any foreign objects need to be removed from the printer, click "My Printer" in the App for maintenance. The printer will automatically heat up and push the printing bed outwards.



1.Click "My Printer"

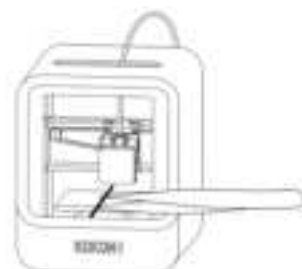


2.Click "Maintenance"

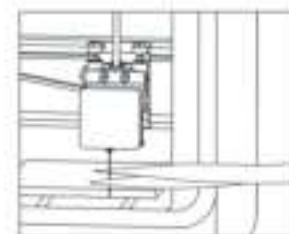


3.Lift up the base plate with the handle to take it out from the cabinet and flat bend the bottom of the lift to separate it from the letter (suggested to change the base plate every 3-6 months)

| Cleaning Up



1.Clean the cabinet with brushes.



2.As the nozzle needs to heat up to 200°C to print, leave before started to print. It is normal to see surplus materials coming out.

Q: How to make the surface of a model more smooth?

A: To make a model look shiny and feel smooth, you need to use sand paper or other tools to polish it. You can also select "High" in the precision setting to make better surface finishing. If the condition is intolerable and difficult to fix, contact the Customer Service Department.

Q: Is the printer compatible with other filaments?

A: Not yet, please use KOKONI modified PLA filament.

Q: How to change the filament?

A: Launch the KOKONI App and go through "My Printer" - "Replace Filament" to change it. More detailed instructions is shown on Pages 11-12 of the manual. Change the filament without KOKONI App could cause print quality issue or even damage the printer itself.

Q: Why doesn't the model stick onto the base plate?

A: When the first layer of a model doesn't stick to the base plate, apply a layer of glue to the base plate and do printing at a room temperature ranging from 20°C to 25°C as a proper temperature could prevent the base plate from bending over. Model warping is a normal phenomenon caused by the physical properties of the plastic itself, so printing in a warm environment can help to alleviate bottom warping.

Q: How many models can a reel of the filament make?

A: The reel of the filament is 70m, and the number of models it could make depends on the size of the models. Models in large size may need more filament. A more complicated model may consume more filament, too. On average, a reel of filament may print out about 20 simple models.

Q: Is it possible to resume the last printing task following a power failure?

A: Negative, once the power is out, the printing process ends.

Q: The connected printer becomes offline.

A: Restart the printer and KOKONI App. If the printer still remains offline, delete it and reconnect the printer for network configuration.

Hazardous Substance Declaration



Component	Hazardous or toxic substance or element					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr6+)	Polychlorinated biphenyls (PCB)	Pb-free
Modified P.A. filament	○	○	○	○	○	○
Printed circuit board (PCB)	×	○	○	○	○	○
Shell	○	○	○	○	○	○
Wire	○	○	○	○	○	○
Enclosure	○	○	○	○	○	○
Power supply	○	○	○	○	○	○

The table is compiled according to the standards of SJ/T 11364.

○ Indicates that all homogeneous materials of the component in question contain the current hazardous substance less than the limit as provided in G.V. 265/2.

× Indicates that at least one certain homogeneous material of the component in question contains the current hazardous substance above the limit as provided in G.V. 265/2.

Notes: No batteries are needed by the printer.

Warranty Period

1-year Limited Warranty for the printer and power adapter from the date of purchase;

3-months Limited Part Warranty for the Vulnerable parts(Extruder, Belt, Printing Platform Nozzle Module,e.c.);

No Warranty for the Tools, Filaments, Printer Shell, User Manual , Warranty Card,etc.

What Is Not Covered?

1. The warranty period expires;
2. The purchase voucher is invalid or not identical with the product model;
3. Either the purchase voucher or the warranty card becomes unidentifiable due to man-made damage;
4. Use, maintain or repair the printer unintendedly, or dismantle the hardware or alter the software without KOKONI's permission;
5. The circuit board of the printer has been ruined due to crash, soaking, falling down or other human factors;
6. Use components not certified by the manufacturer;
7. Damage caused by force majeure such as fires, lightning and floods;
8. The product ages or discolors normally along the process of operation;
9. Product gifts.

After-sales Support

Please read the user manual and warranty card carefully before use. For any after-sales service, please priority contact

local seller or contact us via Email:Support@kokoni3d.com or Call (+86)400-900-7360/ 0086-572-8219691.

Please provide product Serial Number when apply for technical support.

FCC Statement:

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.

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.

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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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

Maintenance service center		Date of delivery for repair	
Reason behind fault			
Fault description			
Return evidence			
Repairer (signature)		Repairer (seal)	



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Email: Support@moxin3d.com



To better serve our customers, the manual may be updated from time to time,

we recommend scanning this QR code to view the latest manual. Thank you for your support.

Due to different models, the actual product and the picture may be a little different, please refer to the prevailed product; Software update page may change, please refer to the actual software page instructions; Moxin (Huzhou) Technology Co., Ltd reserved all the right for final explanation.