

**Kidoodle**

MiniBox A1

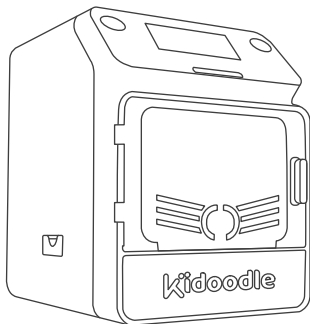
# User Guide



App Installation

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## Important Notice

Thank you for choosing Kidoodle's product. Please read this manual carefully before use and strictly follow the instructions in it. Once you use this product, it means that you have carefully read and accepted the following safety precautions.

The Kidoodle Team is committed to providing you with high-quality service. If you encounter any issues during use, please communicate with us according to the contact information provided at the end of the manual.

## Safety Precautions

- ① Please use this product according to the methods described in the manual to avoid accidents resulting in personal injury and property damage.
- ② Place the product in a dry and cool area, away from flammable or explosive materials or sources of high heat.
- ③ Position the printer on a flat surface to prevent shaking during the printing process, which may affect the quality of the printed model.
- ④ Use the provided power adapter and avoid using other product power cords to prevent damage to the machine.
- ⑤ During the printing process, please do not place any part of your body close to the moving nozzle or printing platform.
- ⑥ Do not use printed models for containing food.
- ⑦ Do not disassemble the machine yourself; If a fault occurs, please contact the official after-sales personnel.
- ⑧ Use recommended filament from the manufacturer to avoid compromising print quality.
- ⑨ Regularly maintain the product by cleaning residual material in the printing chamber and checking for foreign objects on the belts when the power is off. Please maintain the product regularly. When the power is off, clean the slag in the printing chamber and check whether there are foreign objects on the belt.

**\*For children under 6 years old, please activate "Child Mode" and supervise the use of the machine by adults to prevent personal injury. If any user does not operate according to the above content, our company will not be responsible for the relevant legal liability.**

## 01/Packing List

Please check whether the accessories are complete when you receive them. If any items are missing, please contact [support@kidoodle3D.com](mailto:support@kidoodle3D.com).



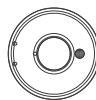
Hex Wrench ×3



Power Adapter ×1



Printing Bed ×1



250g Filament ×1



User Manual ×1



Tweezers ×1



Platform Glue ×1



USB Flash Drive ×1

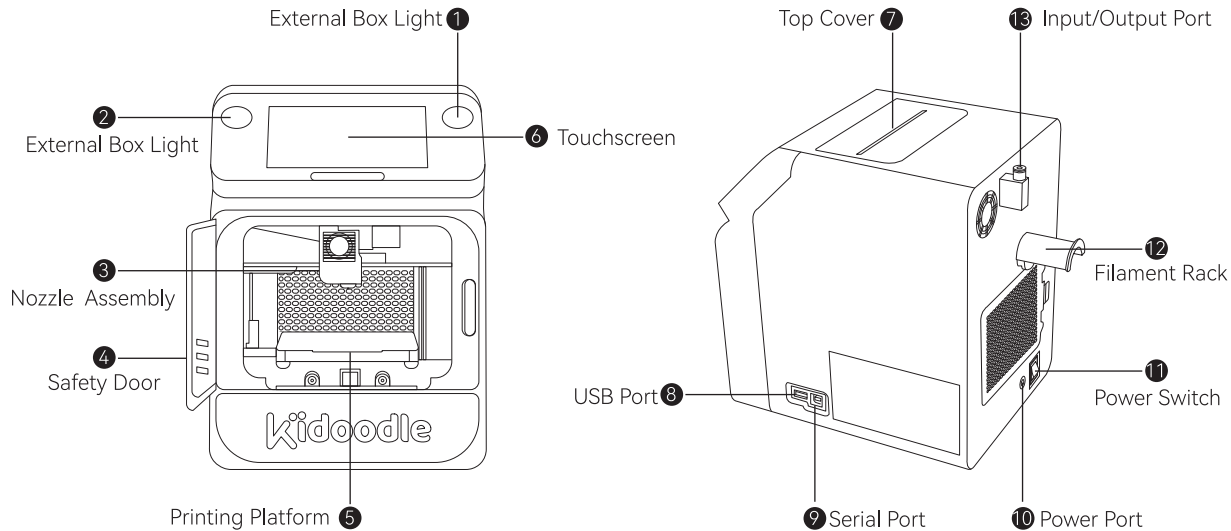


Paper Level ×1

## 02/Product Parameters

Product Name	Kidoodle MiniBox A1
Product Model	A1
Product Size	312*312*352mm
Print Size	100*100*90mm
Touchscreen Resolution	480*854
Adapter Input Voltage	AC 100V-240V~50/60HZ
Adapter Output Voltage	DC 24V±1.2V, 2.75A 64.8W
Number of Nozzles	Single Nozzle
Nozzle Heating Temp	190°C-230°C
Nozzle Outlet Diameter	0.4mm
Layer Thickness	0.1-0.3mm
Slice File Support	.STL Format File
N.W.	2.5KG
Slicing Software	Kidoodle Slicer、Cura
Printing Filament	PLA Series Filament

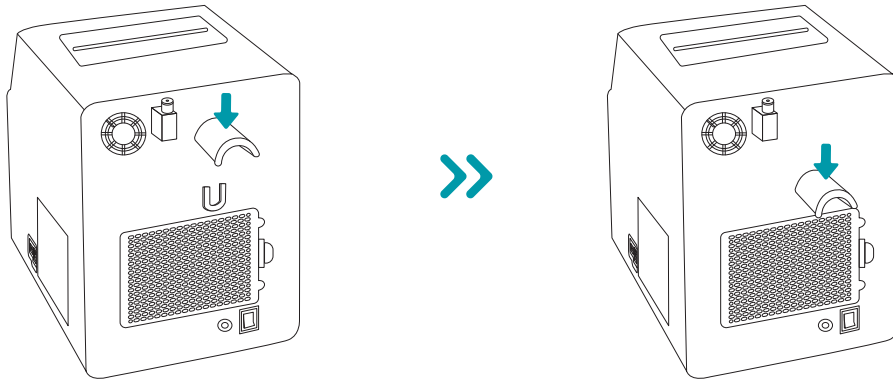
## 03/Component Description



## 04/Printer Assmby

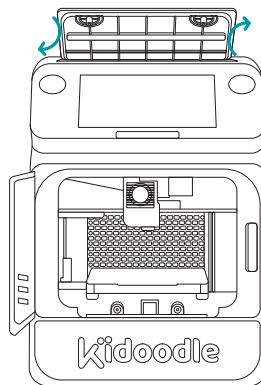
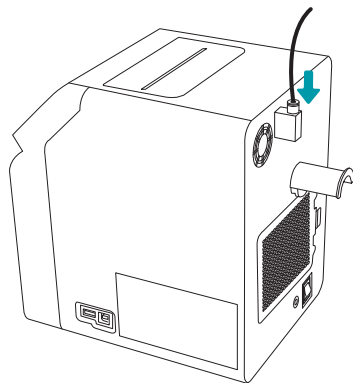
### 4.1 Filament Rack Assembly

Insert the filament rack downward into the latch on the back of the printer.

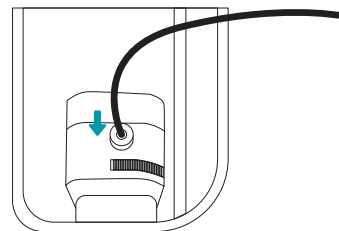


## 4.2 PTFE Tube Installation

- 1) Insert one end of the PTFE tube into the inlet.
- 2) Insert the other end of the PTFE tube into the nozzle.



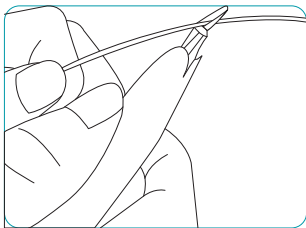
Open the safety door, rotate the top cover latch from inside the chassis to open the cover, and thread the PTFE tube through the gap between the top cover.



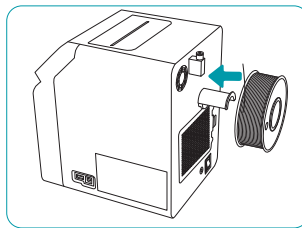
Insert the PTFE tube into the nozzle.



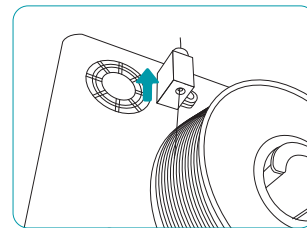
### 4.3 Loading Filament



1) Take out the supplied filament and trim the head at a 45° angle.



2) Hang the filament on the filament rack.

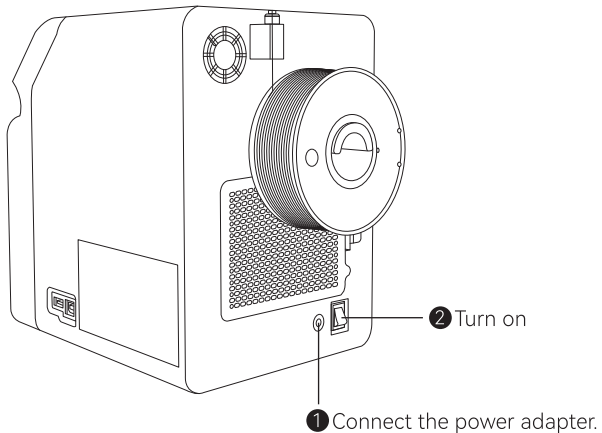


3) Insert one end of the filament into the feeder, push the filament forward until they can no longer advance.

(\*It is recommended to use the provided quick print PLA for the first print.)

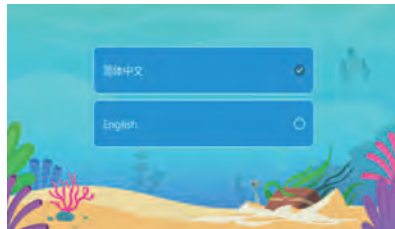
# 05/Printing Guide

## 5.1 Power on

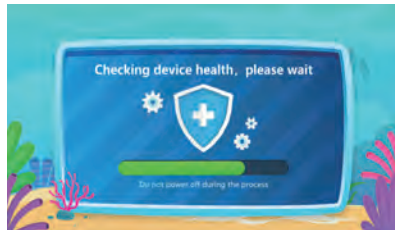


## 5.2 Initialization Settings

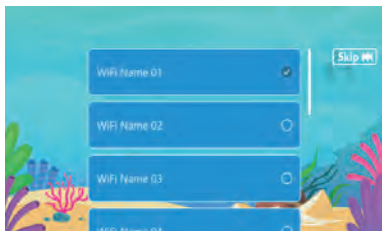
(Please follow the instructions to complete the initialization settings).



① Select the printer system language.



② Wait for the device self-check to complete.



③ Select WiFi for network connection settings.



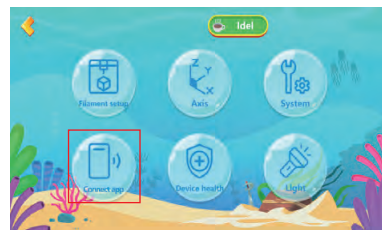
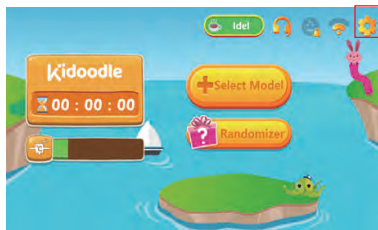
④ Use the Kidoodle App to scan the QR code displayed on the printer screen to bind.  
 (\*This step requires the printer to be connected to the internet; otherwise, the printer will be unable to generate the verification code.)



⑤ Wait for preheating to complete.

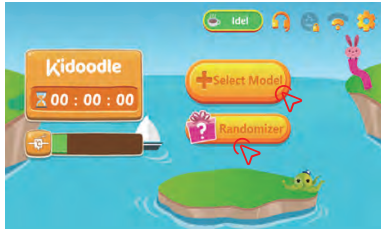
**Note:**

Register a Kidoodle App account to connect the printing device.  
 One account can be bound to multiple printers.  
 Each printer can only be bound to one account. If you need to modify the account bound to the printer, you must first unbind the device within the account.  
 For connecting a new printing device, follow this path: Home - Settings - App Connection. Connect by scanning the device's displayed QR code through the App.

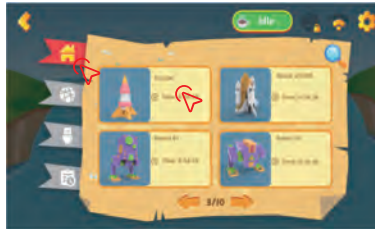


## 5.3 Print Your First Model

### 1) Select Model



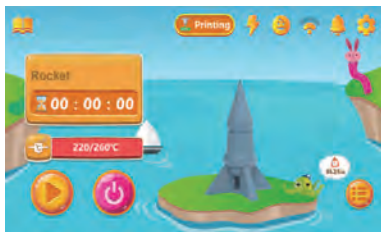
① Click on "Randomizer" or click on "Select Print Model".



② Click on the house icon and then select the model icon you want to print on the right side.



③ Click "Start Print".



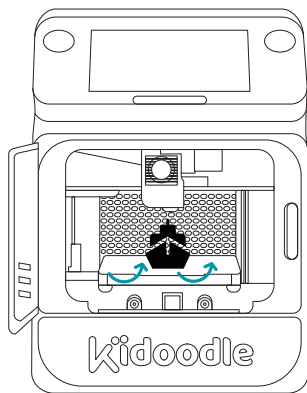
④ Wait patiently for the printing process to complete your first creation

### Note:

- ① The printing process is accompanied by rapid movement of the nozzle, so please do not open the door.
- ② Avoid touching the nozzle during the printing process due to high temperatures.

### 5.3.2 Model Retrieval

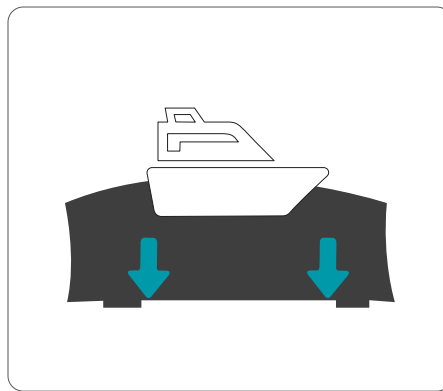
1) After completing the printing, please follow the steps below to retrieve the model.



① Open the safety door and remove the printing platform along with the model.

**Note:**

- ① To remove the model, firstly take out the heated bed. Retrieving the model directly inside the printer will pose a risk of touching the high-temperature nozzle, leading to burns.
- ② When removing the model from the printing platform, avoid forcefully bending or breaking the platform to prevent deformation.
- ③ After removing the model, please return the printing platform to the printer.

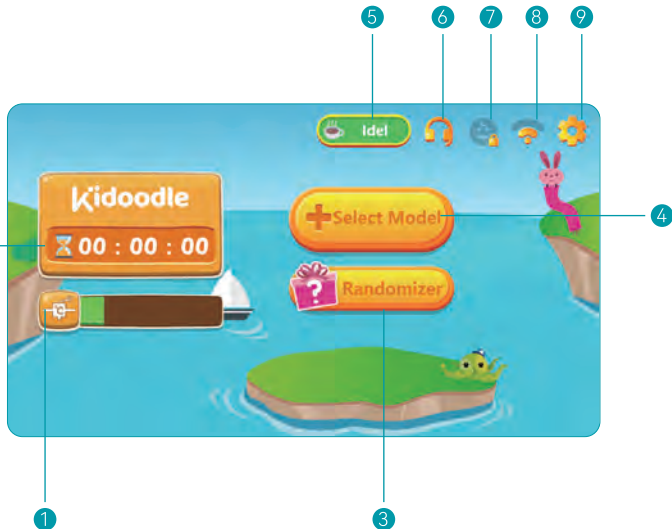


② Gently flex the printing platform to remove the model.

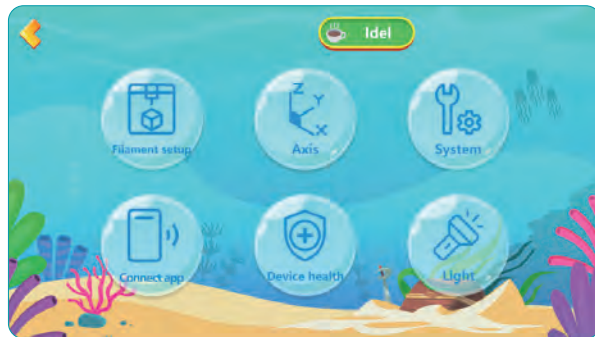
## 06/Printer Operating Interface

### 6.1 HomePage

- ❶ **Nozzle Temp:** Displays the real-time temperature of the nozzle.
- ❷ **Time:** Shows the current time; during operation, displays the printing countdown.
- ❸ **Random Model:** Click to randomly select a model for printing.
- ❹ **Select Model:** Click to enter the model library page.
- ❺ **Printer Status:** Indicates the printer status—idle or printing.
- ❻ **Contact Us:** Provides contact information for customer service feedback.
- ❼ **Child Mode:** Enables/Disables Child Mode. In Child Mode, opening the safety door triggers an alarm.
- ❽ **WiFi:** Click to access the WiFi list.
- ❾ **Setting:** Click to enter the settings page.



- ① **Filament Setup:** Set nozzle temperature and fan speed, extrude/retract filament.
- ② **Axis:** Adjust Z-axis compensation, set X/Y/Z-axis movement, and return to the origin.
- ③ **System:** Version number, screen brightness, language, and other settings.
- ④ **Connect app:** Interconnect with the mobile app to control the printer through the app.
- ⑤ **Device health:** Check the hardware health status of the device.
- ⑥ **Light:** Adjust the brightness of the lights on both sides of the screen and the internal illumination inside the chamber.



## 6.2 System Settings Page

- ① **Information:** Displays device version information.
- ② **Restore:** Restores factory settings, clearing all setup data.
- ③ **Languages:** Switches the software display language.
- ④ **Theme:** Switch between different operation page styles.
- ⑤ **Upgrade:** Detect software version updates and upgrade the version online.
- ⑥ **Volume:** Touch screen click sound switch setting.



- ① **Temp:** Set the nozzle to the desired temperature (maximum temperature: 250°C).
- ② **Cool Down:** Stops heating the nozzle, and the temperature gradually cools to ambient temperature.
- ③ **Unload:** The extruder retracts the filament.
- ④ **Length:** Set the length for retracting and loading.
- ⑤ **Feeding:** The extruder extrudes a filament.
- ⑥ **Fan:** Set the rotation speed of fans for different components.



## 07/App Installation

Scan the code download the Kidoodle App.





## 7.2 Register、Login

X

Login **Register**

Please enter your email account ✓

Enter password(6-20 characters) 🗨

Please enter password again 🗨

**Next** ➡

Login to agree to the [User Agreement](#) and [Privacy Policy](#)

X

**Login** Register

Please enter your email account ✓

Enter password(6-20 characters) 🗨

[Foget password](#)

**Next** ➡

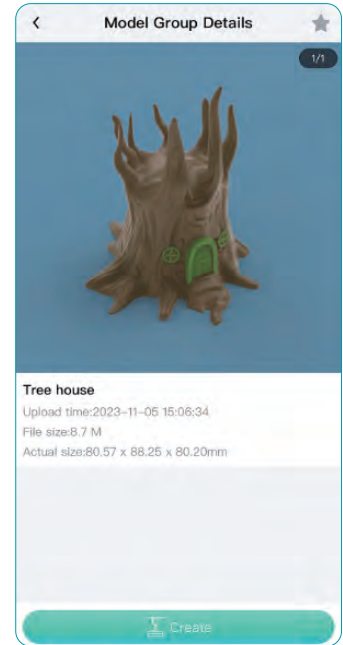
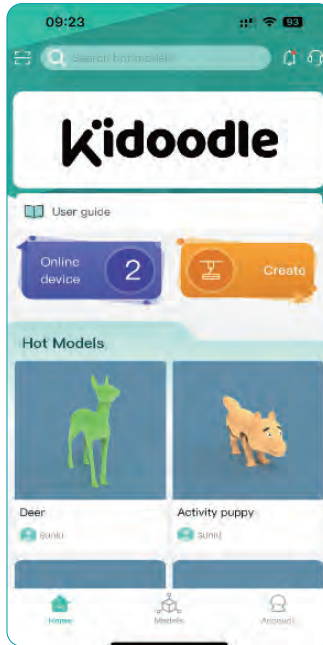
Login to agree to the [User Agreement](#) and [Privacy Policy](#)

## 08/App Model Printing

### 8.1 Model Selection Entry

- ① Home - Popular Models - Choose any model;
- ② Home - Models;

8.2 On the model group details page, click "Start Printing."

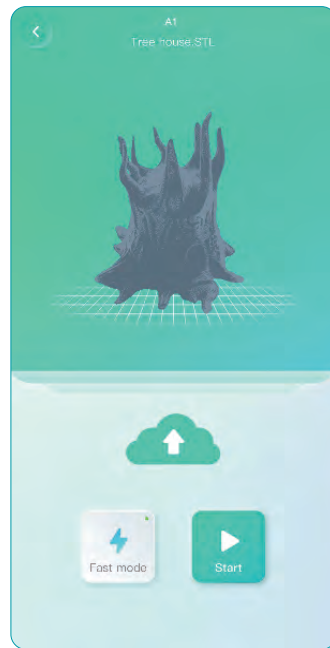
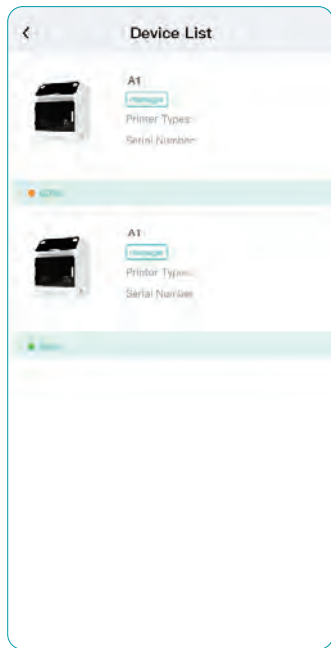


### 8.3 Choose the printing device.

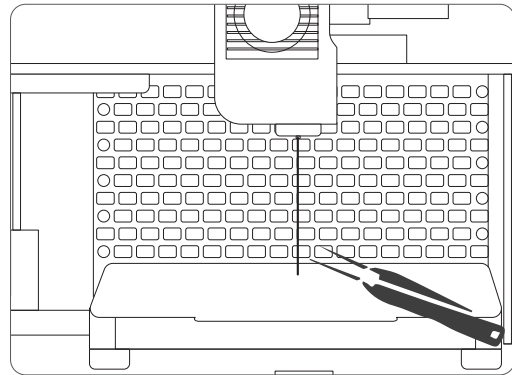
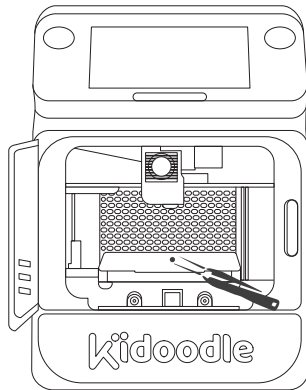
### 8.4 Click "Start" to enter the printing process.

**Caution:**

1. Before starting the print, ensure that there are no models or foreign objects on the printer platform.
2. The printer will undergo approximately 2 minutes of health checks and nozzle heating after starting the print, which is a normal phenomenon. Please be patient.
3. Do not touch moving parts during the printing process to avoid personal injury.
4. In child mode, opening the door during printing will trigger a safety alert. Children should use the printer under adult supervision. (To disable the door open alert, deactivate child mode. The default password to disable child mode is: 000000).
5. If any abnormalities occur during the printing process, click cancel print or turn off the printer power directly to avoid touching the nozzle and print bed during printing.



## 09/Printer Maintenance



① Use tweezers to clean foreign matter objects inside the device.

② Before printing, heat the nozzle to around 200°C. It is normal for excess filaments to be extruded during the heating process.

## 10/Kidoodle App and Slicing Software Usage

Scan the QR code below to view the detailed usage tutorial.



Kidoodle App Usage Tutorial



Slicing Software Usage Tutorial

## 11/Common Issues

► **Q: The model does not stick to the print bed?**

**A:** If the model does not stick to the print bed, it is recommended to evenly apply solid glue on the bed surface and print in an indoor environment with a temperature of 20-25°C. Warping of the model's edges is a normal occurrence due to the physical properties of the plastic. Applying glue can help alleviate warping at the bottom.

► **Q: If there is a sudden power outage during printing, can I resume the previous print after power is restored?**

**A:** Yes. The printer supports the function of resuming printing after power failure. After power is restored, the system will prompt whether to resume the previous print.

► **Q: Can I turn off the safety alarm for the safety door?**

**A:** Yes. The safety alarm is designed to prevent accidents involving children during use. Turn off Child Mode to turn off the security alarm.

► **Q: What is a heating error?**

**A:** A heating error occurs when there is an abnormality in the operation of the print nozzle during the printing process, leading to a disruption in the print process. If this error occurs, check if the original adapter is in use, and contact official customer service for guidance on maintenance.

## 12/After-Sales Service

Thank you for your trust and support in our products. Kidoodle is committed to providing high-quality and reliable technical support services to our customers.

We can meet your technical support needs for all Kidoodle products, including discontinued and out-of-warranty products. (Please note that we cannot handle returns for discontinued or out-of-warranty products.)

The warranty for Kidoodle products is valid for one year from the date of purchase. Details are outlined below. (The purchase date is based on the original sales receipt or consumer records.) If a different warranty period is indicated on the product packaging or official website content, the Kidoodle terms of service for that specific warranty period apply.

This warranty is void if non-Kidoodle accessories are used with the product, or if the product has been modified or repaired by any service station or unauthorized person. The warranty does not cover product defects or damage caused by:

- (1) Careless use of product
- (2) Misuse, abuse, negligence, alteration, repair, or improper installation of the product.
- (3) Consumable parts of the product (thermistors/heating tubes/nozzles/PTFE tubes, beyond three months).
- (4) Circuit shorts or transients.
- (5) Exposure to excessive heat, humidity, moisture, or environmental conditions beyond the product specifications.
- (6) Use of replacement parts not provided by Kidoodle.
- (7) Improper product maintenance.
- (8) Accidents, fires, floods, or other force majeure events.

Kidoodle reserves the right to make changes to its products but assumes no obligation to modify manufactured products. This statement is provided for guidance on technical support and after-sales requirements. For further clarification and detailed information, please contact us.

## 13/Contact Us

[support@kidoodle3d.com](mailto:support@kidoodle3d.com)

## FCC Warning

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.

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

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.

## 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 and your body.

**kidoodle**

[support@kidoodle3d.com](mailto:support@kidoodle3d.com)