

# JOLIMARK NAIL PRINTER INSTRUCTION MANUAL

## NP311D



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## FOREWORD

This manual mainly serves as a guide to provide basic operating procedures and precautions for the users when using the product to avoid problems such as product circuit abnormality, electric shock, fire hazard, operator injury and damage caused by improper use of the product.

Symbol	Description
	Warning: When this symbol appears in the manual, it implies that such behavior or condition may cause the product to encounter circuit abnormalities, electric shock, fire hazard, injury to the operator, or damage to the product.
	Caution: When this symbol appears in the manual, it implies that such behavior or condition may damage the product or cause injury to the operator.

Table 1-1 Describe the definitions of the two symbols in this manual

### 1.1 Warnings

1. Please read this instruction manual carefully.
2. Never put the ink cartridge or power adapter into water or any liquid.
3. The metal contacts on ink cartridge must be kept dry and avoid touching the surface of the chip.
4. Do not touch the power cord or power plug directly with a wet hand.
5. This product must be placed away from extremely cold and hot sources and away from direct sunlight.
6. The ink cartridge will move rapidly during the print process of the product; user is required to physically stay out of the print area to avoid injuries during printing.
7. When the power adapter, power cord or power plug is damaged, please do not use this product and contact customer service for repair.
8. Please clean the drip tray daily. Any damage to the product due to failure in cleaning the drip tray properly may affect the user's right in the product warranty.
9. Please keep the accessories (i.e., necklace and bracelet) and hair of user away from this product to avoid any personal injury.
10. If any emergency occurs, turn off the power and unplug the power cord.
11. Please do not open the back cover of this product. This operation is very dangerous and will affect the warranty of this product.
12. During the use of the product, please be careful to avoid the hand being pinched, pressed, or bumped; if the above problem occurs, please turn off the power immediately.

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.

## Installation Guide

Thank you for purchasing the Jolimark Nail Printer (the Product), please follow the instructions below to install and use this product.

### 2.1 Unpacking

1. Open the packaging box
2. Remove the packaging (cushioning) materials
3. Take out the product

### 2.2 Package contents

1. A Nail Printer
2. A set of power adapter and power cord
3. An accessory box (including) :
  - 8 bottles of nail gel
  - One piece of Ink cartridge
  - One piece if nail holder

### 2.3 Product placement and environment

1. Please place the product on a solid platform in a well-ventilated room, and keep the product away from direct sunlight.
2. Please place the product on a well-leveled surface to avoid ink leakage. It is recommended to place the product in an environment with temperature of 15°C ~ 30°C.

### 2.4 Product Movement

If it is required to move the product for a long distance under bumpy condition, please put the product back into the package box and use the packaging (cushioning) materials to pack the product tightly to avoid damage to the product while moving.

1. Before moving, turn off power, unplug the power adapter and all power cords, remove the ink cartridge.
2. Do not tilt the product, place it sideways, or place it upside down during the movement.
3. If you still keep the packaging material, please put the product back into the package box and use the packaging (cushioning) materials to pack the product tightly to avoid damage to the product while moving.
4. If you have any questions, please contact our customer service staff.

## Product setting

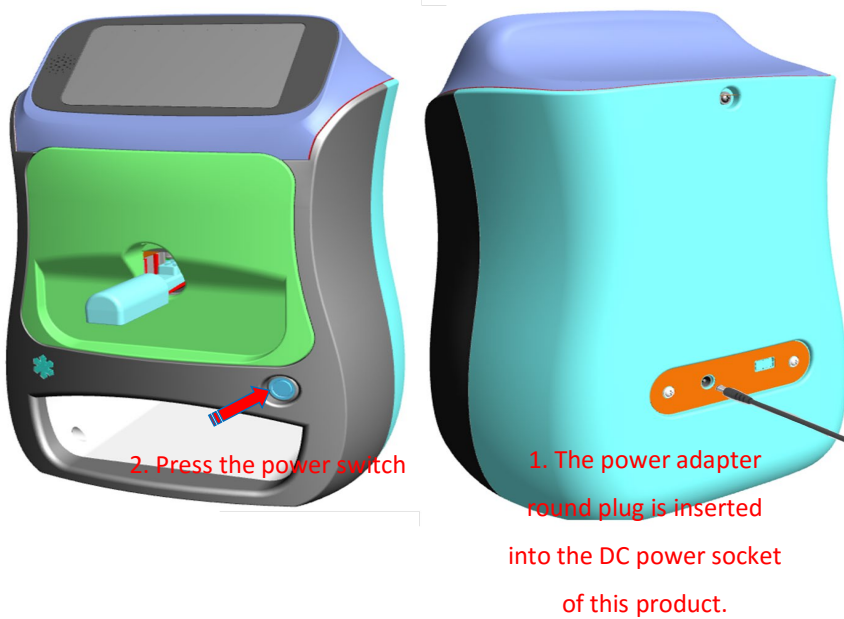
### 3.1 Product introduction



Figure 3.1 Parts of the product

### 3.2 Power On

To use this product, first insert the round plug of the power adapter into the DC power socket of the product and then plug in the other end of the power adapter into the AC wall socket (110V~240V). Press the power switch to turn on the power of the product.



### 3.3 Connect to Wi-Fi

1. Press the power switch and wait for the Android tablet to boot.
2. Touch with your finger and slide down from the top of the screen to the setting screen.
3. Select WLAN option (in red circle).
4. Press the specified WLAN name and enter the password.
5. WIFI connection is completed.




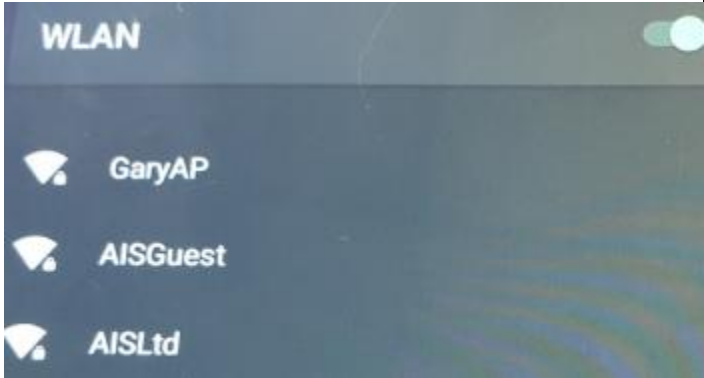

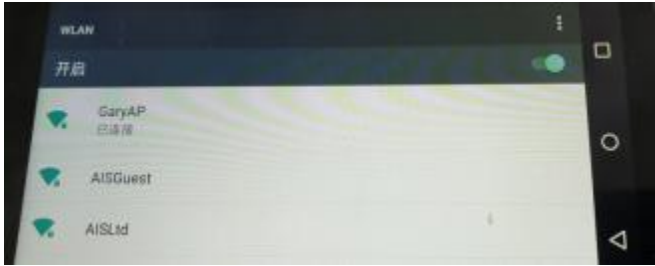
<p>Press the power switch and wait for the Android tablet to boot.</p> 	<p>Touch with your finger and slide down from the top of the screen to setting screen.</p> 
<p>Select WLAN option (in red circle).</p> 	<p>Press the specified WLAN name.</p> 
<p>Press the specified WLAN name and enter the password.</p> 	<p>WIFI connection is completed.</p> 

Figure 3.3 Setup WIFI

### 3.4 Nail printer APP Introduction

#### 3.4.1 Variety of nail solutions for you to choose from

- i. The image library has a variety of different styles to choose from, and the nail image is updated regularly. Choose the image you like, click the "Print" button at the bottom right of the program, and adjust the plan to your personal preference.



- ii. You can also create your own nail plan. Click the button in the upper right corner of the page to enter the “production plan” page, fill in the name of the plan, select the picture of the ten fingers in the gallery, and then select the style of the plan to generate a unique plan.



### 3.4.2 Rich Manicure Gallery

You can download the favorite patterns in the gallery and download the images in batches by clicking the “Download” button at the top of the page. Before you completely download the images, you cannot do any printing job at that time.



- i. You can also upload your favorite pictures, click the “Local Upload” button on the right side of the page, select the image to be uploaded in the album and select the picture style to upload successfully!





### 3.4.3 Print nail art pattern

- i. In the first step, the Base Gel and the Color Gel are applied in turn, and both gels need to be illuminated to dry. After drying, apply Frame Gel to the edge of the nail, no need to illuminated;



Tips: You can change the lighting time by going to "App Homepage – System Management – Drying Lamp Duration";



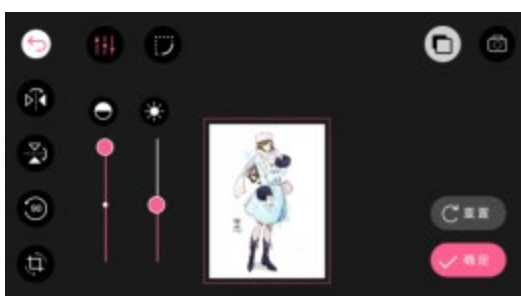
- ii. In the second step, apply the printing Gel. The types of printing Gel are: transparent color, sequin color, milky white, please select the appropriate printing Gel according to the printed pattern. This step does not need to be illuminated. ;



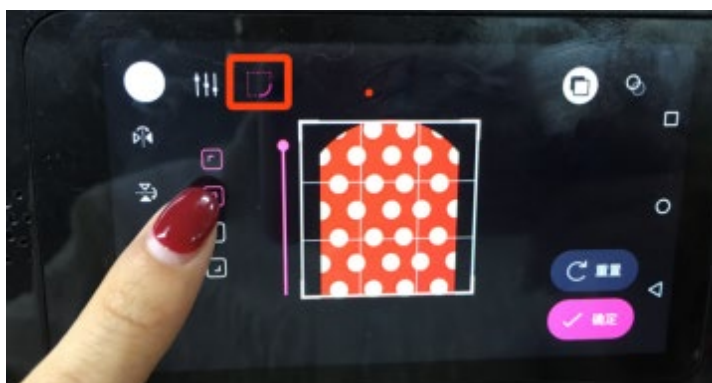
Graphic requirements: printing glue (transparent / sequin / cream)

does not require lighting

- iii. In the third step, after opening the App to select the printing scheme / picture, a printing task will be automatically generated in "Task Management". Select the finger to be printed and click the "Print" button below to enter the printing Printed pages. If you need to edit the picture, you can click the "beautify" button at the top right of the print page to adjust the size, orientation, and lightness of the picture.

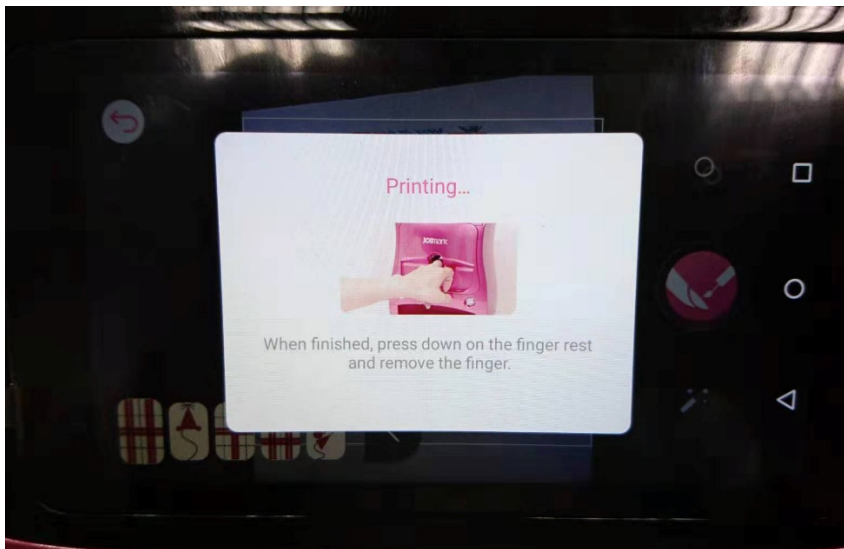


In addition, considering that the nail shapes of different users are different, the edges of the picture can also be set as rounded corners. Click the "Rounded Corner" button at the top left of the page, and after determining the location of the rounded corner according to the shape of your nails, click the "OK" button;



[Important]

When you press “Print” button to print the nail, the display screen will be locked in printing procedure, you cannot do any other process before the printing job is finished.



- iv. Step 4. After printing the pattern, please peel off the anti-spill adhesive on the edge of the nail, and then light it for 2 ~ 3 minutes;  
The fifth step is to apply reinforcement glue and sealant glue in sequence. Both glues should be illuminated for 60 seconds.



+ sealing glue (30 ~ 60 seconds)

Graphical requirements: reinforcement glue (30 ~ 60 seconds)

### 3.4.4 Nail Art Tutorial

A variety of manicure tutorials make it easy for you to become a manicurist.



### 3.5 Installation and replacement of ink cartridge

#### 3.5.1 First time installation

i. Please remove the front cover when starting the product for the first time. At this time, the cartridge holder will move to the front and the indicator light will be solid yellow.



Figure 3.5.1.1 Turn on and open the front cover

ii. Unpack the ink cartridge and remove the blue tape

<p>Open the paper cassette and remove the ink tank</p> 	<p>Remove the ink cartridge and peel off the blue tape</p>  <p>blue tape</p>
--	--

Figure 3.5.1.2 Remove the ink tank

iii. Hold the upper and lower positions of the ink cartridge with your thumb and forefinger, enter the position of the ink cartridge stabilizer obliquely, and push it forward and down until you hear the latch jam.



Figure 3.5.3 Install the ink tank

iv. Note When installing the ink cartridge, do not touch the yellow probe on the ink cartridge and the surface of the wafer.

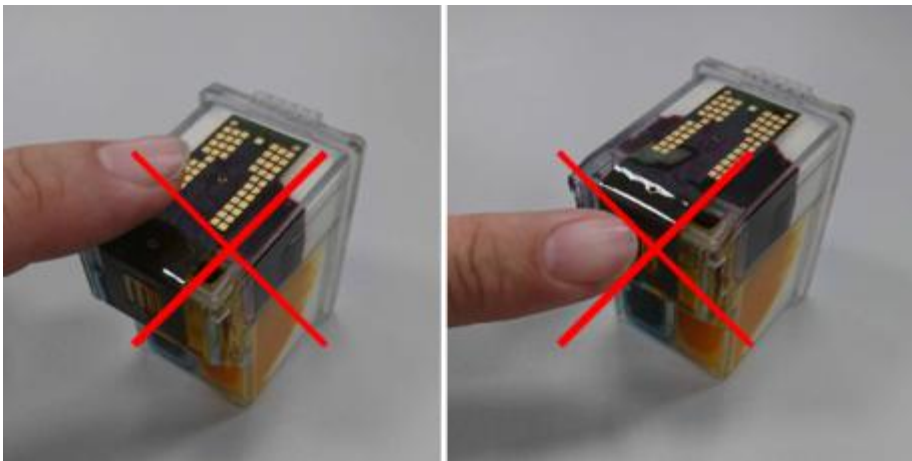


Figure 3.5.4 Do not touch the ink cartridge probe point and ink cartridge chip

v. After installing the ink cartridge, in the ink cartridge replacement function screen, click the Replace Complete button.



Figure 3.5.5 Completing the new ink cartridge installation

### 3.5.2 Out of ink Replace ink cartridge

- i. Open the Nail printer APP-> System Management-> Replace Ink Cartridge and click to start replacement.
- ii. Open the front cover and remove the ink tank.
- iii. To install the ink cartridge, follow the steps 2 to 5 in section 3.5.1 to complete the replacement process.

### 3.6 Ink cartridge print test page and ink cartridge maintenance

#### 3.6.1 Ink cartridge print test

When the ink cartridge is installed for the first time or a white line appears on the ink cartridge, the ink cartridge printing test can be used to confirm the ink cartridge printing status.

- i. Prepare a piece of printing paper that is 2.5 cm wide and 4 cm long.
- ii. Adhere the printing paper to the nail holder with double-sided tape.
- iii. Open the front cover, put the nail holder into the nail machine and press the finger fixing platform to move it to the print position.
- iv. Open the front cover, put the nail holder into the nail machine and press iv. Open the Nail printer app, select System Management-> Print Test, and click "Start Printing".
- v. Ink cartridges perform a print test
- vi. After printing is completed, remove the nail holder and confirm the printout.
- vii. If white lines are printed, perform the ink cartridge maintenance in 3.6.2.

Prepare blank paper and stick to nail	Open the front cover and put the nail holder into the nail machine
---------------------------------------	--

 <p>holder</p>	
<p>Enter the Nail printer App, select System Management-&gt; Print Test, and click "Start Printing"</p> 	<p>Printing is complete, and the printout is shown below.</p> 

Figure 3.6.1 Ink cartridge print test

### 3.6.2 Ink Cartridge Maintenance



If white lines or ink does not appear on the inkjet, refer to this section to clean the ink cartridges.

- i. Please refer to section 3.5.2 to remove the ink cartridge
- ii. Please prepare paper towels and fold them into squares
- iii. Hold the ink cartridge wafer down and press lightly on the paper towel.
- iv. Wipe the ink cartridge wafer lightly with a dry paper towel after completion
- v. Replacing the ink cartridge to the ink cartridge stabilizer
- vi. Move the ink cartridge back to the standby position according to section 3.5.2.
- vii. You can confirm the printing status through 3.6.1.

Remove ink cartridges and prepare paper towels	Ink cartridge wafer face down and lightly press on paper towel
	
Ink marks on paper towel after pressing	
	

Figure 3.6.2 Ink Cartridge Maintenance

### 3.7 Camera calibration

When you enter the print screen, if you find that the position of the nail is not in the center of the screen, you can refer to this chapter for camera calibration.

- i. Open Nail App-> System Management-> Camera Calibration
- ii. Open the front cover, prepare a nail holder and insert the finger holder as shown in the figure.
- iii. According to the current position of the nail holder on the screen, the four arrows on the left side of the APP move the camera display.

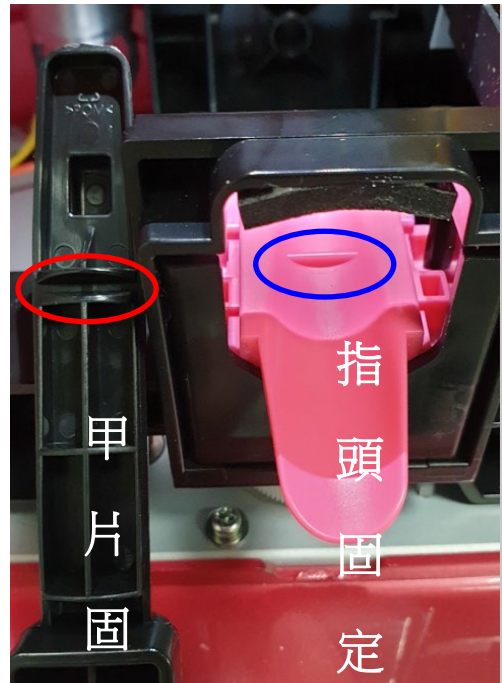


- iv. Calibration method: The upper edge of the nail holder is aligned with the upper edge of the screen, and the center of the nail holder is aligned with the calibration separator.
- v. After finishing the movement, press Save to complete the camera calibration

Open the front cover and prepare the nail-holder



Insert the nail holder into the finger holder: Make sure that the groove (red circle) on the back of the nail holder is aligned with the projection (blue ring) of the



finger-holder.

Open the nail art app and perform camera calibration

Camera completion calibration example



Figure 3.7 Camera calibration




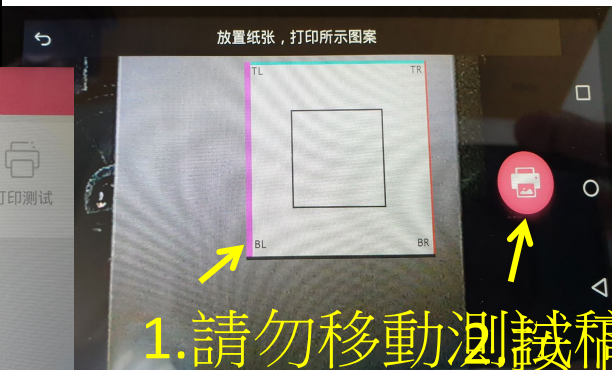
3.8 Print Position Correction (Before performing this correction, please complete the camera calibration in section 3.7)

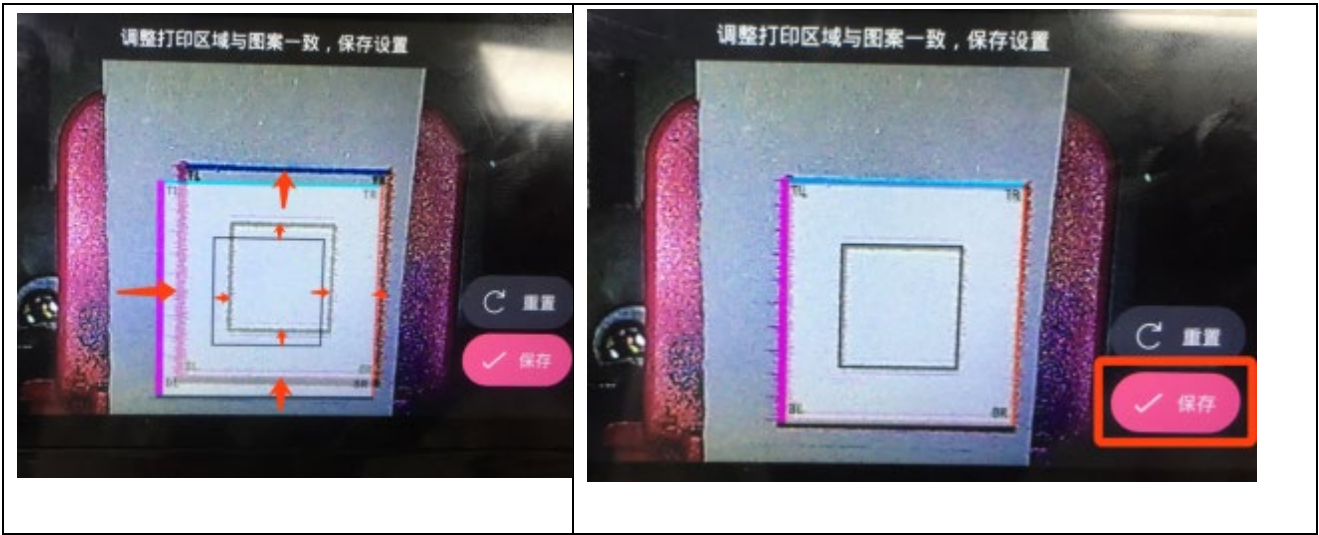
When the nail print is found to be too different from the position specified by the nail app, you can refer to this chapter to correct the print position.

- i. Prepare a piece of printing paper that is 2.5 cm wide and 4 cm long
- ii. Adhere the printing paper to the nail holder with double-sided tape
- iii. Open the front cover, put the nail holder into the nail machine and press the fixed platform to move it to the print position.
- iv. Open the Nail App, select System Management-> Print Position Calibration
- v. A test draft will appear on the screen. Do not move the test draft.
- vi. Press the print button on the right side of the screen. Do not move the nail holder after printing.

Prepare blank paper and stick to nail holder	Open the front cover and put the nail holder into the nail machine
--	--

- vii. Use your fingers to move the displayed test draft image, adjust its size and make the size of the displayed test draft image equal to the printed test draft image. (Two fingers: zoom on four sides; single finger: zoom on one side)
- viii. After adjustment, press Save to complete the print position calibration.

	
<p>Open the Nail printer App, select System Management-&gt; Print Position Calibration</p> 	<p>Do not move the test draft in the screen and press the print icon on the right</p>  <p>1.請勿移動測試稿此位置示</p>
<p>After printing is completed (do not move the nail holder), adjust the displayed test draft to be as large as the printed test draft, such as the yellow arrow</p>	<p>The correct position adjustment is as follows. After finishing, press Save to complete the print correction.</p>



Gel description

4.1 Gel type

Gel name	Label description
UB Base	Base
UB Color	Color layer
UB Frame	Spill glue
UB Print-1	UBP1
UB Print-2	UBP2
UB Print-3	UBP3
UB Reinforce	Anti-Spill Adhesive
UB Seal	Reinforce

4.2 Gel description

Gel	Function description	Drying time
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Nail Base (UB Base)	Reinforcing bond strength between layers	30-60second
Nail Color Layer (UB Color)	Background color as painted pattern	60second
Nail Spill Glue (UB Frame)	Apply around nails to prevent skin contact when using nail polish	No needed
Nail Printing Adhesive (UB Print1) (Transparent)*	Apply on top of color glue before printing to make the printed pattern clear	2-3 minutes
Nail Printing Adhesive (UB Print2) (Sequins)*	Apply on top of color glue before printing to make the printed pattern clear	2-3 minutes
Nail Printing Adhesive (UB Print3) (Ivory)*	Apply on top of color glue before printing to make the printed pattern clear	2-3 minutes
Peel Off Anti-Spill Adhesive	Increase print pattern protection and firmness	60second
Nail Reinforce	Apply the printed pattern after drying to improve the gloss and durability of the pattern.	60second

\* Nail printing rubber photo drying time is used as a reference, and it depends on the depth of the printing pattern. The darker the color, the longer the drying time.

#### 4.3 Gluing process

Nail Base (UB Base) → Nail Color Layer (UB Color) → Nail Printing Adhesive (UB Print) → Nail Spill Glue (UB Frame) → Nail Printing → Peel Off Anti-Spill Adhesive → Nail Reinforce → UB Seal



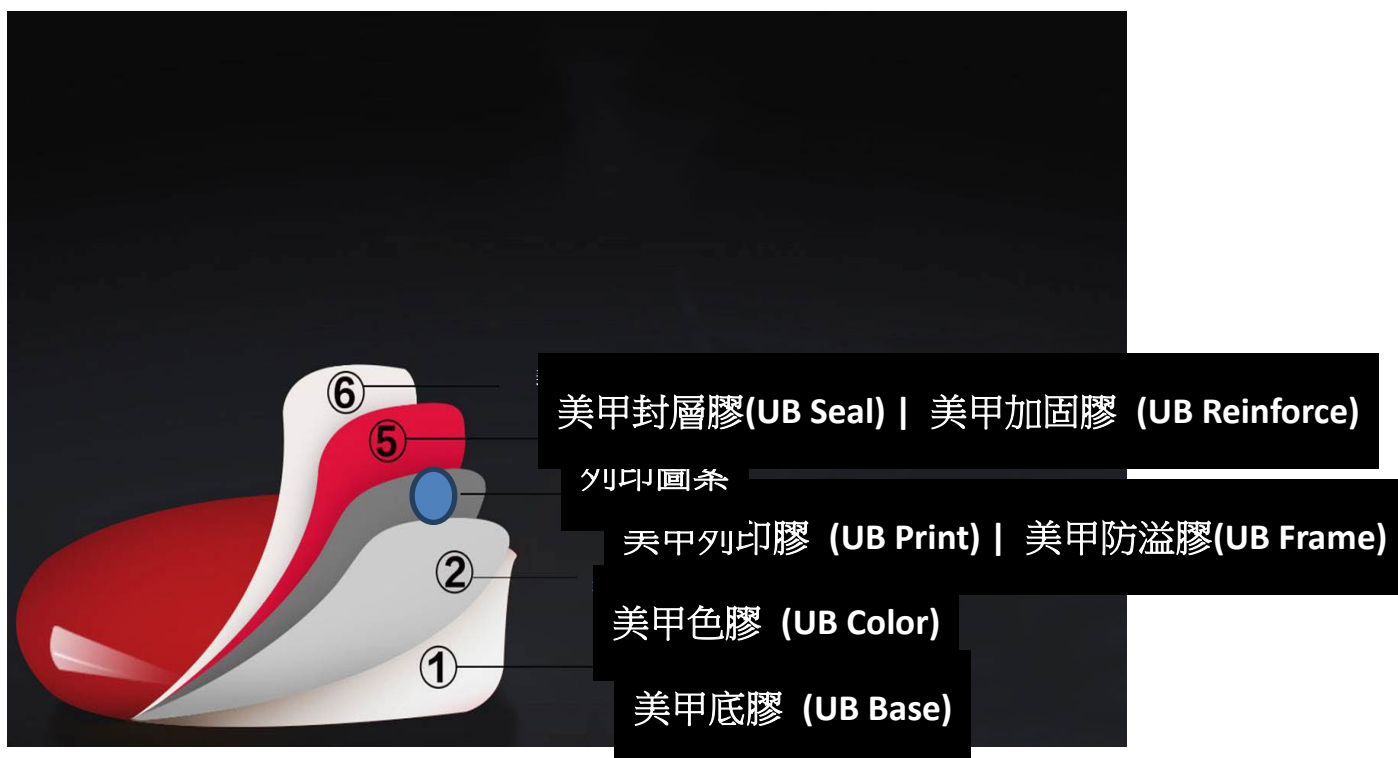


Figure 4.3 Gluing process

## Specification


### 5.1 Product specification

Table 5.1 Product Specifications

Product name		Nail Art Printer
Model name		NP311D
Power specifications	Rated voltage	24Vdc
	Rated current	2.5A
Wireless connection	Wi-Fi	Wi-Fi IEEE 802.11 b/g/n
	Bluetooth	Bluetooth 4.0
Physical dimensions	Width	233mm
	Depth	177mm
	Height	326mm
	Weight	2.75 kg

Acoustic emission	Sound pressure	≤67dB
Operating environment	Operating temperature	5℃ ~ 35℃
	Operating relative humidity	20% to 80% (non-condensing)
Storage environment	Storage temperature	-25℃ ~ 60℃
	Storage relative humidity	20% ~ 93% (non-condensing)

#### Ink cartridge specifications

Ink	Dye: Ink
Storage environment	Sealed: 5℃~35℃ Unsealed: Please keep it inside the machine
Proper way to place the ink cartridge	 <div>Correct way</div> <div>Incorrect way</div>

#### Nail polish specifications

Storage environment	Sealed: 5℃~35℃ Unsealed: Please close the cap after usage
Shelf life	Sealed: two years



	Unsealed: one year
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### AC power adapter

The primary function of the power adapter is to convert the AC power (AC) from the wall outlet to the specific voltage DC power (DC) required by the product.

Input voltage / current	100Vac – 240Vac / 50Hz –60Hz
Rated voltage / current	24Vdc / 2.5A

Use a power adapter that complies with the local country's certified power adapter or optional accessories for this product. The power adapter that the product is expected to use has a rated output of DC rated voltage of DC 24 V, DC rated current of 2.5 A, and the power adapter is marked with “LPS” or “limited power supply”.

The power adapter uses AC power (AC) from the wall socket, international AC voltage and plug style instructions, please refer to

<https://www.iec.ch/worldplugs/>

## Indicator instructions and firmware upgrade

### 6.1 Indicator instructions

The description of the light signal is as shown in Table 6-1.

LED	Description
White LED	Standby
White LED blinking	System is starting up
Blue LED blinking	Printing
Yellow LED blinking	The ink cartridge is not detected
Red LED blinking	There is unusual object detected in the printing range, please turn off the printer immediately, open the front cover and clean the unusual object, if it can not be removed, or this abnormal can not be solved, please contact the service staff.

Green LED	USB is detected and its upgrade files are checked by the nail printer
Green LED blinking	Software is upgrading

Table 6-1 Display description of this product's light

## 6.2 Firmware upgrade

### i. App version upgrade

In order to optimize features and user experience, the App will periodically release new versions for your use. Enter the App-System Management-Version Update page, and click the "Upgrade" button directly. If the button is gray, it means that it is the latest version.



## Troubleshooting

### 7.1 Troubleshooting

#### i. My print is scratched

- Do not move your finger left or right or up or down during printing
- Put your finger on the finger holder, please do not bend, just put it straight
- Make sure that the finger holder is free of foreign objects that may cause the finger to tilt up

#### ii. My print is not clear

- Refer to Chapter 3.6.1 and Chapter 3.6.2 for ink cartridge maintenance
- Put your finger on the finger holder and don't press down. Put it lightly on the finger holder and let the finger holder spring up to position it.

## Customer Support

Website	www.kamoppos.com
E-mail	kamopos@jolimark.com

## Product safety instructions

### 9.1 Product Safety Instructions

1. Please read all the operation manuals.
2. This product can only be operated with the ink cartridge and accessories from original manufacturer. Do not use any unauthorized accessories or supplies.
3. Children should not use this product.
4. Please use 110V~240V as the power input voltage.
5. Do not use the power adapter for other products.
6. If the product is encountering any abnormal odor, temperature rise, discoloration, deformation, or any other abnormality during operation or standby, immediately stop the operation and unplug the power adapter.
7. When plugging or unplugging the power adapter, grab the plug of the power adapter instead of the power cord.
8. If the power cord is damaged, please disconnect the power immediately and contact our customer service staff.
9. Please place this product near the standard power outlet for easy access to power.
10. Do not unplug or plug the power adapter into a power outlet when your hands are wet.
11. Do not block DC power socket or USB port.
12. Do not place the power adapter and power cord in the water or other liquids.
13. Do not hang wires at the edge of the table or counter or near a heat source.
14. When the product is not in operation for a long time or when it is cleaning, be sure to disconnect the power adapter from the power outlet.
15. When using this product, place it on a stable table or shelf.
16. Do not disassemble this product yourself.
17. Close all covers when operating this product.
18. Please remove all dust/dirt on this product before use.
19. Do not place any heavy objects on top of this product.
20. Please do not apply excessive force to this product.
21. Do not place this product in a place which is exposed to direct sunlight or near a heat source.
22. Please avoid water, metal or any other obstacles entering the product.
23. Please clean the drip tray daily
24. Please clean the printer regularly to keep it safe for use.

## FCC Compliance Statement



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 interference to radio and 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.

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.

The radiated output power of this device is far below the FCC radio frequency exposure limits. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

CE

CE

	forordninger i direktiv 2014/53/EU, 2014/35/EU.
suomen kieli	Tämä laite täyttää direktiivien 2014/53/EU, 2014/35/EU. oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

This equipment complies with EU 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.

#### EU Countries Intended for Use

This device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom.

This device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

During ordinary person servicing conditions, where it is necessary to defeat or bypass the equipment safeguard preventing access to a moving part classified as MS2, an instructional safeguard shall be provided to:

- disconnect the power source prior to defeating or bypassing the equipment safeguard;
- and
- restore the equipment safeguard before restoring power.

## Waste Electrical and Electronic Equipment ( WEEE ) Statement



This symbol on the product(s) and / or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product(s) to designated collection points where it will be accepted free of charge.

Alternatively, in some countries you may be able to return your products to your local retailer upon purchase of an equivalent new product.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.

Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with you national legislation.

## Certificate

### 10.1 QC Certificate



Shenzhen Jolimark-Kamo Mobile Payment Co., LTD.

Email : kamopos@jolimark.com

Address : B706 , 708 , 7th Floor , Jiuzhou Electric Building, Nanshan Technology South 12th Road, Shenzhen