**TOEC**

Tattoo Stencil Printer
Operation Manual

(Full Version)
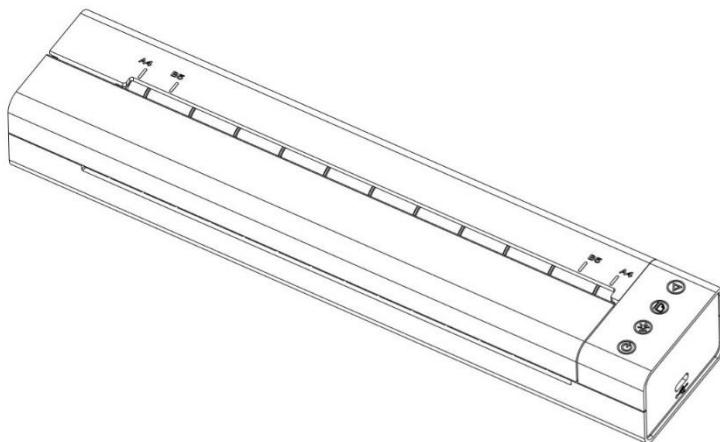
Please read this operation manual carefully before installing
and using this product

Declaration

Thank you for choosing TOEC products.

Please read the information included in the product package thoroughly and carefully before using. TOEC will not be liable for any damages caused by your failure to follow the instructions herein or by any misoperation of this product due to your misunderstanding of the content of this guide, but not including incorrect installation or damages which occur during operation caused by our qualified maintenance personnel.

TOEC has emended and checked this document carefully, but we do not ensure that there is no error or oversight.

TOEC devotes itself to improving products and promoting service quality. Thus, TOEC reserves the right to improve and modify the description and the software program of this product without any future notice.

This operation manual is aimed at helping you to use TOEC products properly, but doesn't intend to do any description for the software and hardware configuration of this product. For the configuration, please check the related contract (if you have) or consult your dealer. The pictures in this document are for your reference purpose only. If any of them are different from the actual product, please ignore the pictures.

Contents

Safety Guide

1. Please read all the instructions and keep this operation manual in a handy place for future reference.

2. Before cleaning the printer, please unplug the power adaptor, and cut off the power.

3. Do not use the printer near the water.

4. Do not place the printer in the unstable vehicle, on the unstable table or desk. Otherwise, the printer may not work normally or even fall, which will cause serious damage.

5. This printer has been equipped with a three-core plug for power adapter, which has a grounding pin. This plug is only suitable for grounding type electrical outlet. This is a safety precaution. If the plug fails to fit, contact your electrician to change it. Do not remove or alter the grounding pin in any manner.

6. Do not put anything onto the power cord. Do not place the printer in an area where people might step on the power cord

7. If you use an extension cord with the printer, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating.

8. Do not spill any liquid on the printer. Do not insert anything into the printer through the groove of the printer shell. Otherwise, these things may drop onto the circuit board and cause short-circuits. This may lead to fire or electric shock.

9. Use only a slightly damp cloth to clean the external of the printer. Do not clean the printer with benzene, alcohol, paint thinner or any corrosive, alkaline solvents. These solvents could cause the damage of

the shell of printer.

10. Don't try to fix the printer by yourself without any instructions.
Please send all the parts needed to repair to the professional
maintenance personnel

11. When the following conditions occur, please pull out the plug from
socket, remove the battery, and send the printer to professional
maintenance personnel:

- The power cord is damaged or worn

- There is liquid in the printer

- The printer is exposed to the rain or water

- The printer falls off or the shell is damaged

NOTE

1.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.

2.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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction. The use distance is not more than 5mm.

1. Brief Introduction

This section will give you a brief introduction of the printer appearance and the functions of every part.

1.1. Packing List

When you open the box, please make sure that it contains all the following items.
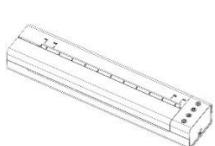
Printer   charger plug   USB Cable
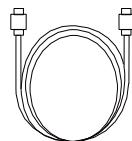
1.2. Printer Appearance

Paper Input Slot

Operation Panel

Flip Cover

Paper Output Slot

USB Port

Power Interface

Operation Panel

Cancel Button (Indicator)

Feed Button (Indicator)

Bluetooth Button (Indicator)

Power Button (Indicator)
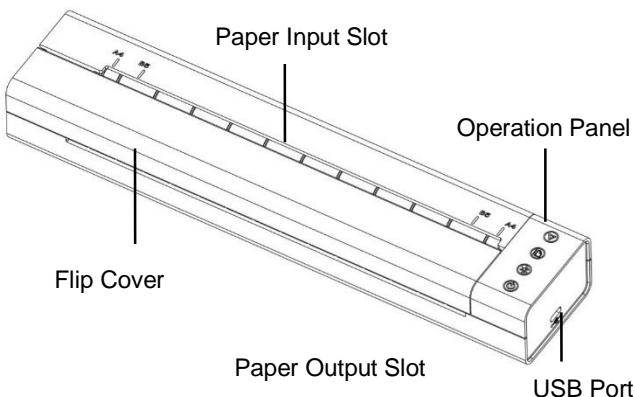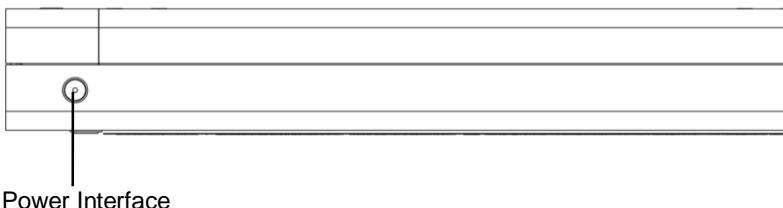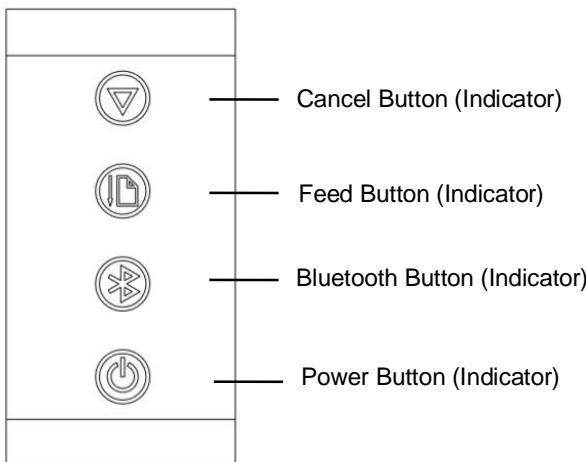
1.3. Buttons

The operation panel consists of 4 touch buttons (they are also indicator lights). Please operate this printer according to the following button functions.

Symbol	Function
	Cancel the print job in printing mode
	Clear the stored documents in standby mode
	Press and hold the button, and the printer will keep feeding paper till

	the button is released
(symbol)	Press the button, and the printer will stop feeding till the paper is in place
(symbol)	Press the button to turn on or turn off the Bluetooth (See Section 5 for details)
(symbol)	Short press to turn on/off the printer.

1.4. Indicator Lights

The indicators light and flash to indicate the status of the printer. Please see the table below to recognize the status of printer according to the indicator lights.

Symbol	Status of Indicators	
(symbol)	Clear light is blinking	: there is document stored or being transmitted
	Red light is blinking(lit)	: alarm(See Section 8 for details)
(symbol)	Blue light is lit	: the printer is charging
	Blue light is off	: the printer is fully charged
(symbol)	Blue light is lit	: succeed to connect to Bluetooth (See Section 5 for details)
	Blue light is blinking	:bluetooth is turned on but fail to connect (See Section 5 for details)
	Blue light is off	: bluetooth function is turned off
(symbol)	Blue light is lit	: standby
	Blue light is off	: power off
	Blue light is blinking	: the battery power is low

After installing the printer driver, your computer will pop up more detailed status of the printer and warning messages for your

convenience.

1.5. USB Connection

Using the USB cable provided with the printer, you can connect the computer with printer.

1.6. Bluetooth Connection

Please read Section 5 to find more details about Bluetooth connection settings.

1.7. Connect the Printer to External Power

Use the charging head and USB cable of this product to charge the product. Do not use more than 65W charging head.

2.   Load Paper

This section will introduce the paper type and method of loading paper.

2.1.   Paper Size and Type

Note: using unsuitable paper will cause problems like poor print quality, paper jam or over wearing of the printer, even will damage the printer. However, our warranty or service agreement doesn't cover damage like this. To get the best performance of this printer, we suggest you to use the type of paper described in this section.

Paper Type	Tattoo Transfer Printing Paper and Thermal Paper
Paper Size	A4 and B5

Note: weight, ingredient, texture and humidity of the paper are all important factors which will influence the performance of printer and the output quality.

2.2.   Load Paper

Loading the paper properly will help you to prevent paper jam and make sure that there is no fault of the printing.

When put the paper into the printer, make sure that the paper needed to print faces down, and the printer will lead the paper to the right place automatically. Please try to vertically load the paper into the center of paper slot. Do not lead the paper to one side of slot or slant it. Be sure that the bottom of the paper is parallel with input slot. Otherwise, it will influence the printing result, and will cause damage to the paper.

Note: When storing paper, avoid high temperatures and humidity.

Before loading the paper, do not fold, crease or wrinkle it.

Before putting the tattoo transfer printing paper into the printer, please reserve the adhesive tape on the top of the paper, and remove the cover sheet below the adhesive tape (Do not tear the adhesive part on the top. Otherwise, the paper will be loosened and cannot be printed).

3.   Install and Uninstall the Printer Driver

This printer support Windows and Mac operating systems.

This section will take Windows 10 and Mac 11 operating systems as examples to introduce how to install and uninstall the printer driver. Installing the printer driver needs the administrator account. Please log on as a user who has the administrator account. Terminate all running applications, and close the security software. Before installing, use the matched USB cable to connect the printer with your computer, and then turn on the printer. When installing the printer driver, if the system automatically pops up the dialog box "Found the new hardware wizard", please click "Cancel". If your computer shows "A problem occurs during the hardware installation. Your new hardware may not be able to run normally", just close the prompt message.

Note: please try not to change the name of computer after installing the printer driver. Otherwise, it will cause problems when installing and reinstalling the driver.

3.1.   Windows Install Printer Driver

1. You can scan the QR code on the machine to obtain the driver. 2. Read the files in the driver. Double click [Setup.exe]. Select "English " mode, click "Next".


3. Check "Install the local printer

driver" , and then click "Next.
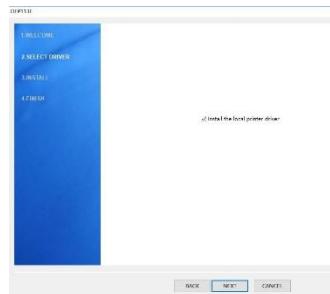
4. Check "Next" , after the successful installation.
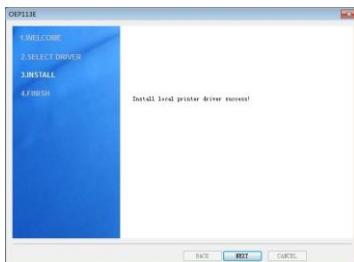
5. Click "Finish", and the installation is completed. (We suggest you to restart the computer.)
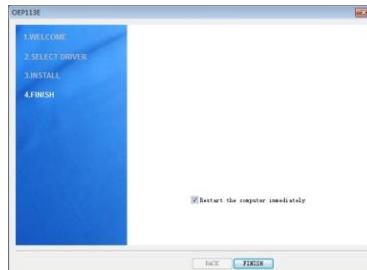
3.2. Mac Install Printer Driver

1. You can scan the QR code on the machine to obtain the driver.
2. Read the files in the driver. Double click. Double click "TOEC-OEP113E-0.1.1.006B_x.pkg ".When the

"Welcome to the TOEC-OEP113E Device Driver Installer" window pops up, click "Continue".

3. Installation Type: Standard Install on "Macintosh HD".You can change the install location by clicking "Change Install Location" icon. And then click "Install".

4. Installer pops up "Installer is trying to install new software. Enter your password to allow this". Input the password,and then click "Install Software" to continue.
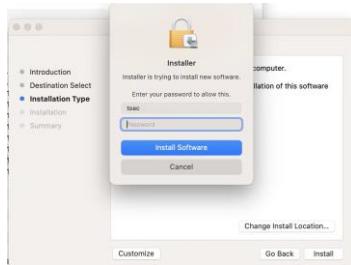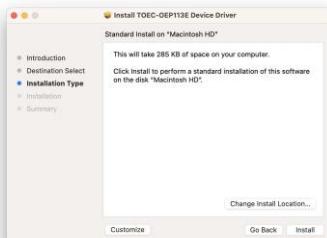
5. When install success, it pops up "The installation was successful". Click "Close", and the driver install success.
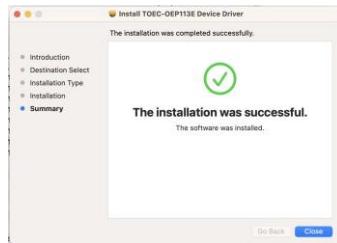
3.3. Uninstall the Printer Driver

Windows uninstalling the printer driver needs the administrator account. Please log on as a user who has the administrator account. Terminate all running applications, and close the security software. (Mac OS need not unstall the printer driver)

1.   Read the files in the driver .

Double click "Setup.exe". Select "English " mode, click "Next".

2. Choose "Uninstall ", and click "Next".
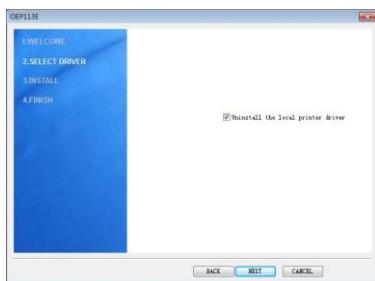
3. When the uninstallation is completed, click "Next" .
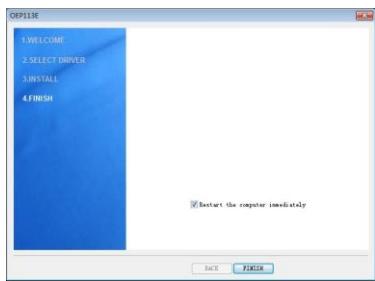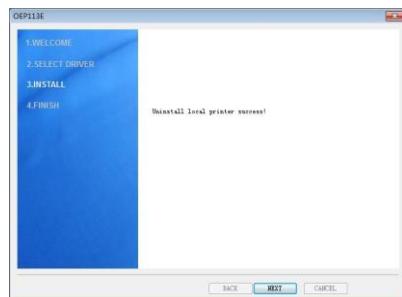
4. Click "Finish", so the uninstallation is completed. (We suggest you to restart the computer.)

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3.4. Print from Mobile Device

If user uses peripheral equipment to print, the operating system of mobile device (e.g. Smartphone or Tablet computer) should be iOS 12.0 or above, and Android 10.0 or above.

User needs to download the corresponding mobile printing application "TOEC TATTOO" from the mobile device first. By connecting the printer to the mobile device through Bluetooth, the documents, pictures and other contents can be printed directly from the mobile device. For the whole process of printing, the operation is easy, convenient and humanized. "TOEC TATTOO" is available on App Store for iOS or Google Play for Android as free download.

Please make sure "TOEC TATTOO" gets permission to the system storage.

Fig. 1 to fig. 6 are for iOS mobile device. All other operations the same as IOS.
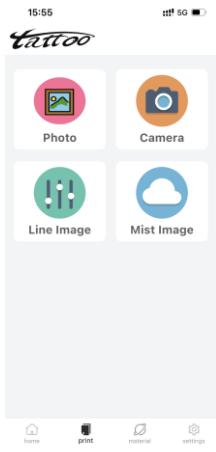

Fig. 1 Main interface   Fig. 2 Select a picture to print
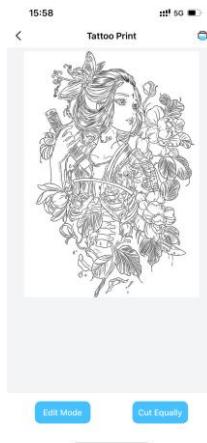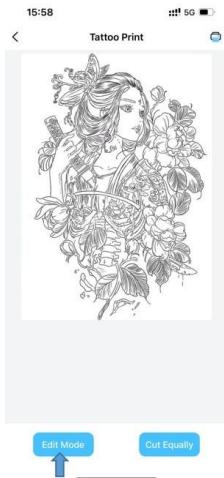
Fig. 3 Click Edit to adjust the
size and position of the picture
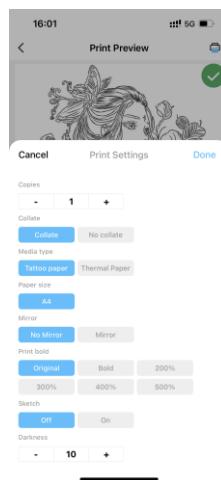
Fig. 4 Printing parameters settings

Fig. 5 Click the print icon
In the upper right corner

Fig. 6   Printed completed

4. Use the Printer

Before using this product to print the document, please read the Section One to Section Four carefully and install the driver of the printer. Taking the document under Windows10 operating system as an example, we will introduce how to use the printer to print the document. Taking the Image under Android operating system as an example, we will introduce how to use the printer to print the Image.

4.1. Start the Printer

1. Make sure that the power cord of the printer is connected correctly.

2. Start the computer.

3. Start the printer and the indicator lights are lit. Wait for the paper cancel indicator light goes out, and then the printer is prepared to print.

4. Confirm that the printer driver has been installed correctly and it works normally.

5. Connect the printer to PC via USB or connect the printer to Mobile device via Bluetooth.

6. Put the paper into the printer till the printer automatically leads the paper to the right place.

Note: please make sure to start the computer first, and then start the printer, or it may lead to the computer can't recognize the printer. If the computer can't recognize the printer, please restart the printer or reinsert USB cable. (If print via Bluetooth, please connect the printer to Mobile device via Bluetooth first)

4.2. Print via USB

1.Open the document needed   to print, and select "Print" in the "File" menu.

2. In the "Print" dialog box, click the "Select Printer" in drop-down list box and select "OEP113E".
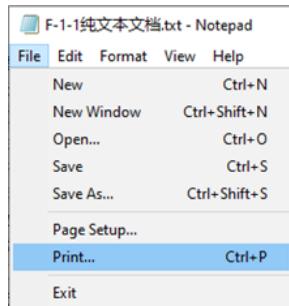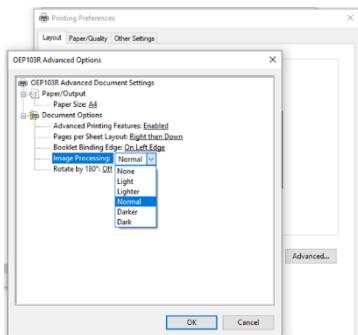
3. Click "Preferences", select advanced option in the "Paper/Quality" tab in the dialog box, and select the brightness to change the light or dark effect of the printed document.

4. Click " Preferences ", select option in the "Paper/Quality" tab in the dialog box, select paper and media.

5. Set up the printing option and the number of copies, and click "OK" to confirm. The printer begins to print.

6. If need to cancel the current print job, you can press the "Clear" button on the printer or cancel the current job from the computer task queue.
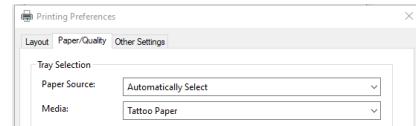
NOTE: PC side can not support pause the print job, only support cancel the current print job.

4.3. Print via Bluetooth

When print via Bluetooth, please make sure the printer has already been connected successfully.

1.Open the "TOEC TATTOO" program，click "Search for the Bluetooth printer", and then pops up the diagram "Phone Bluetooth not turned on, please turn on Bluetooth!". Click "Open Now" button to turn on Bluetooth.
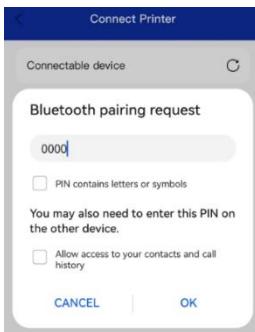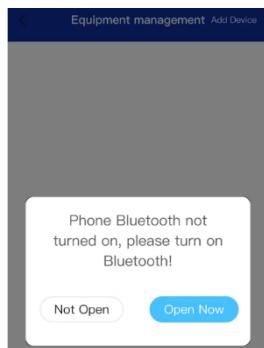
2. In Equipment management, select "Add Device", find the Bluetooth printer (named OEP113EXXXX), click and then pops up the diagram "Bluetooth pairing request". Input the password "0000", and click "OK" button to connect.

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3. After connecting successfully, you can set parameters through "Set parameters" in home page or set in print preview interface.

4. After finishing setting, click the "PRINT" icon in the top right corner of print preview interface to print.
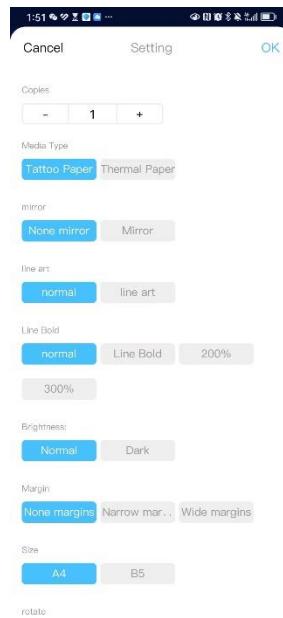
5. If need to cancel the current print job, you can press the "Clear" button on the printer or click "Cancel the work" button in the print preview interface on mobile.

4.4. Print Property

The default printer options are not applicable for printing all images, and you need to set them in the printing properties.

	System	LIGHT IMAGE	MIST IMAGE
IMAGE	-		
OPTION	IOS	Line Image Mode	Mist Image Mode
	Android	Line Image Mode	Mist Image Mode
	Mac	Color tone depth:8	DEFAULT OR DARKER
	Windows	DEFAULT OR BOLD	DEFAULT OR THINNER

Note: If you feel that the printing effect is not perfect, you can adjust the desired effect by setting properties (darker or lighter or bold or thinner). The default printer options are suitable for printing darker images.

5.　Brief Description of Bluetooth Function

Bluetooth printing supports Bluetooth connection to external mobile devices including Android operating system and iOS operating system (iOS 12.0 or above, and Android 10.0 or above). When the first time to use the printer, Bluetooth is turned on after printer powering on, and the Bluetooth indicator light flashes. After connection is successful, the indicator light is always on. At this time, the mobile device can print via Bluetooth. If short press the Bluetooth key on printer, it will turn down the Bluetooth function, and the mobile device can not search and connect to the printer. If you want to print via Bluetooth again, need to short press the Bluetooth key to open the Bluetooth (The Bluetooth indication light flashes), then connect again normally.

Before connecting to Bluetooth, please make sure to turn on the Bluetooth. Two methods to open Bluetooth: In the settings of the mobile device, turn on Bluetooth directly; Or in program "TOEC TATTOO", click "Search for Bluetooth printer", if Bluetooth is not turned on at this time, it will pop up a prompt. And then click "Open NOW" to turn on Bluetooth.

　　The Bluetooth printer name is displayed as "OEP113EXXXX" in Android mobile device and as "OEP113E-BLEXXXX"in iOS mobile device. "XXXX" means the last four digits of the printer's MAC
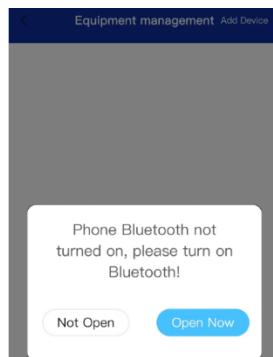
address. The MAC address of each printer is fixed and unique. Android device need to input the connection password "0000". The iOS device need not password to connect.

Note: Bluetooth connection, only can connect one (1) equipment. If try to connect to another equipment when one equipment is connected, the error will occur. (The second equipment unable to search the Bluetooth printer)

6. Product Warning and precautions

WARNING

①This product has built-in lithium battery, do not use lithium battery in the environment where the temperature is higher than 40℃. Do not expose the lithium ion battery to extreme heat or flame. Do not use or leave the lithium ion battery under the blazing sun. eg. Inside an unenclosed car.

②Do not disassemble, crash、puncture or modify the lithium ion battery.　Do not use the battery for other purposes.

③Do not put the product in fire or water to avoid fire or burns caused by battery short circuit.

④In a temperature range of 0℃ to 40℃ please do not work more than the temperate range is recommended.

⑤Used batteries should be collected or disposed of in accordance with local regulations and product specifications.

⑥If you suspect a battery problem please contact the after-sale service center for help.

NOTICE

①There is a risk of explosion if wrong model battery is replaced. Dispose of the used battery according to the instructions.

②The maximum temperature 70℃ of printing please be careful do not touch the print head.

③Please be pay attention do not touch the sharp of the paper cutter.

7. CHARGING

①The battery from low to full charge time is about two hours. After full charge, the charging lamp will be turned off.

②Low power (when the power light blinks), print quality will be shallow, to charge in time.

③It is recommended to use the charging head and charging cable configured with this product.

④If using other charging head power should not exceed 65W.

8. Troubleshooting

This section will introduce the printer alarm information and the help information for the troubleshooting.

8.1. Printer Alarm Information

Information on PC or Mobile device	Indicator lights on printer	Reason	Troubleshooting Method
No paper	Red light blinks slowly	There is no paper in the printer	- Please put the paper in the printer.
Out of memory	Red light blinks for three times	The printer is full of the stored documents.	- Press the clear key to empty the documents - Print the stored documents.
Communication error	For USB print, red light is lit. For Bluetooth print, red light is lit for 5 seconds	The printer is not detected	- Reinsert USB cable and reconnect Bluetooth - Restart the printer - Restart the computer.
Machine is overheating	Red light blinks quickly.	The temperature in the printer is too high	- Wait for a few minutes to print when the clear indicator light turns from red to blue.
Low battery	Power button indicator is frequency	The battery is low	Please charge in time, otherwise the print quality will be affected.

Note: when use the printer at the high altitude, the machine overheating may occur more frequently due to a lower air density available to cool the printer.

8.2. Troubleshooting Guide

Trouble	Troubleshooting methods
Breakdown of machine and failure of keys	- Check that whether the power cord of the printer is connected or not; - Check that whether the power switch of the printer is turned on or not; - Restart the printer after power off for 30 seconds - Please contact the serviceman if the problem still exists.
The printer can't print documents	USB Print: -Check the USB cable is connected correctly or not; - Check that whether the printer is in idle state or not; - Reinsert USB cable or restart the printer. - Please contact the serviceman if the problem still exists. Bluetooth print: - Check that whether the external device is connected with the printer via Bluetooth or not; - Check that whether the printer is in idle state or not. If the clear indicator light is blinking and green, maybe Bluetooth data is down sending and hasn't been completed. Please wait; - Try to reconnect Bluetooth or restart printer; - Please contact the serviceman if the problem still exists.
The printer is off-	- Ditto;

line	
The showing of the indicator light is abnormal	- Cut off the power and restart the printer. - Please contact the serviceman if the problem still exists.
The paper can't be led to the right place	- Reinsert the paper, and insert the paper to the bottom; - Check the size or thickness of paper is suitable or not; - Please contact the serviceman if the problem still exists.
The paper can't come out	- If the paper jam occurs, please open the flip cover to pull out the jammed paper; - Check the size or thickness of paper is suitable or not; - Please contact the serviceman if the problem still exists.
The character on the printed paper is too light	- Adjust it through the printing option.

9. Specifications

Item	Description
Print method	Thermal printing
Print speed	60s/page
Resolution	200dpi×200dpi
Printer port	USB2.0
Control language of printing	GDI
Paper feeding method	Manual feeding
Paper size	A4 and B5
Paper type	Tattoo transfer printing paper and thermal paper
Consumables	None
Operating system	Windows 7, Windows 10, Windows 11, Mac OS 10.3 ~ 14, Android 10.0 or above, iOS 12.0 or above
Power supply	5V === 2 A
Noise	Maximum sound pressure level≤58dB(A)
Dimension of machine	283mm×59mm×38.5mm
Net weight of machine	About 580g
Operating temperature	5℃ ~ 35℃
Operating humidity	20% ~ 80%
Storage temperature	-25℃ ~ 40℃
Storage humidity	5% ~ 90%
Atmospheric pressure	86kPa ~ 106kPa

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Free Service Hotline:	400-615-1880
	800-818-8080
Fax:	022-28261058
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Version:	April 2024, First Edition