

Thermal Printer

User Manual

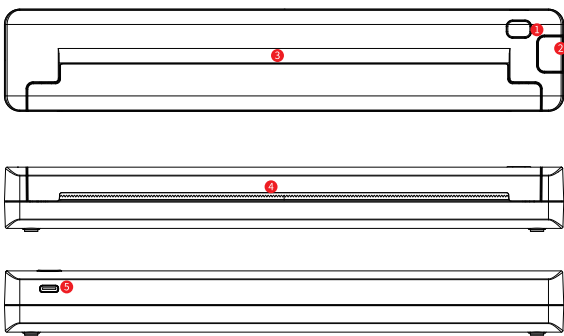
ST80/81/82/83 Series

Appearance and components

ST80



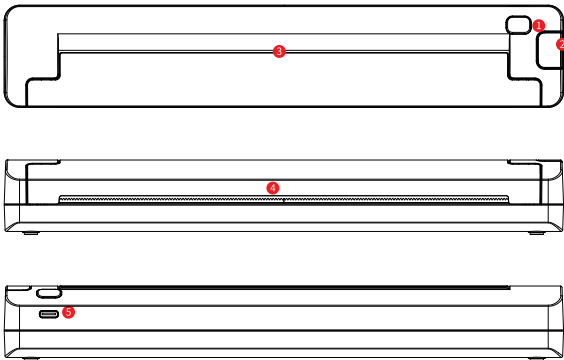
ST82



- ①Button
③Paper inlet
⑤Type-C interface
- ②Cover opening switch
④Paper outlet

Appearance and components

ST83

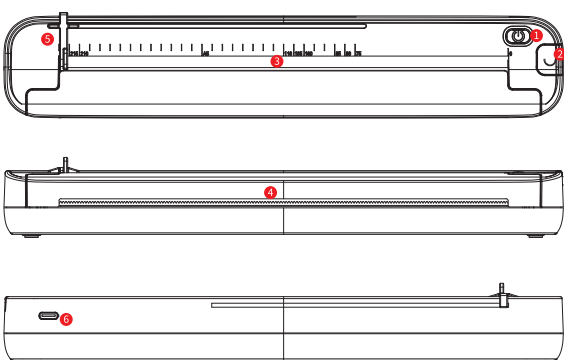


- ①Button
③Paper inlet
⑤Type-C interface
- ②Cover opening switch
④Paper outlet

Situation	Operation
Button	After holding for 3 seconds, the LED light turns on, indicating that the device has been powered on.
Charging status light	The red light stays on during the shutdown and charging process. The green light flashes when the device is being powered on and charging.
Bluetooth status light	Bluetooth connection is successful and always on
Self-check page	Double click the button to print the self-test page when there is paper available

Appearance and components

ST81

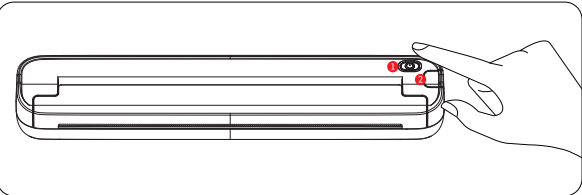


- ①Button
③Paper inlet
⑤Limiter
- ②Cover opening switch
④Paper outlet
⑥Type-C interface

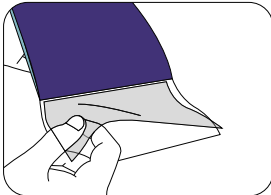
Situation	Operation
Button	After holding for 3 seconds, the LED light turns on, indicating that the device has been powered on.
Charging status light	The red light stays on during the shutdown and charging process. The green light flashes when the device is being powered on and charging.
Bluetooth status light	Bluetooth connection is successful and always on
Limiter	When printing custom sizes, place the paper on the right side and use the stopper to check the paper position.
Self-check page	Double click the button to print the self-test page when there is paper available

Operating instructions

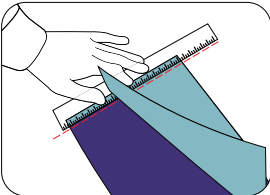
To ensure high-quality printing, please refer to the following steps:



Notes for paper placement:



①Prepare four layers of transfer paper and remove the isolation paper.



② Remove the backing paper and horizontally cut it along the top adhesive point. Please note that the adhesive part of the paper should be kept intact.

③Prepare the printer, with the carbon strip facing downwards and the white transfer paper facing upwards, and place it along the top of the printer. The machine will automatically correct paper section and then connect to Bluetooth for printing.

④Automatically feed paper when placing it

Attention: Due to the different materials of transfer paper and the varying softness and hardness of the top, in order to prevent sticking during printing, when placing transfer paper, be sure to smooth it out and place it in the center

Operating instructions

④After installing the transfer paper, prepare your phone (iOS or Android) to connect to the machine. Start printing your desired pattern.



Type	Pattern	Example	Index
Line pattern			★★★★★ Perfect
Shadow pattern			★★★★★ Perfect
Gradient pattern			★★★★★ Perfect
Color background pattern			★★★★★ Perfect

The quality of the transfer paper will affect the printing effect
(The quality of the transfer paper is determined by the uniformity of the ink sheet)

Intelligent interconnection

The download method of the application:
Please download the "FlashToy" application from the app store or Google Play Store. You can also scan the QR code below to install the application.



Search and download the "FlashToy" application from the iOS app store.



Search "FlashToy" in the Google Play Store or scan the QR code on the right to download the App.



iOS: Turn on Bluetooth, allow FlashToy App to access.
Android: Turn on Bluetooth and Location, allow FlashToy App to access.

iOS Device



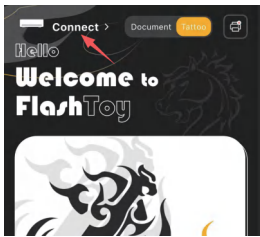
Android Device



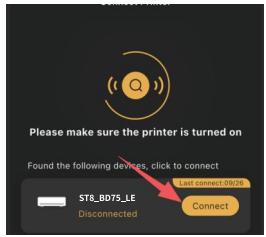
Intelligent interconnection

Tattoo printing

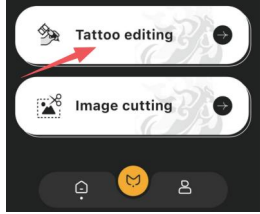
① Open FlashToy App and Tap "Connect".



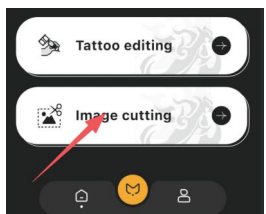
② Connect the thermal printer device.



③ Click on the tattoo to select the finger press mode and then choose the fingerprint pattern and set the pattern size.



④ Click the "Image Cropping" button to crop the large-sized tattoo design.

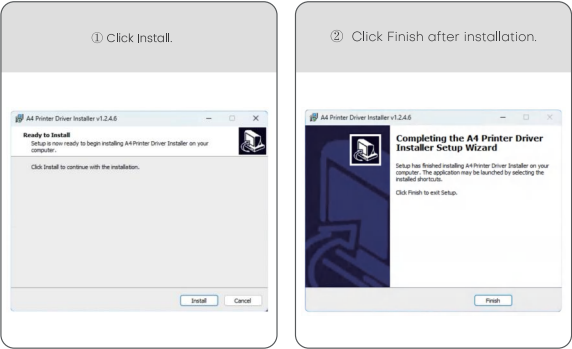


Intelligent interconnection

Windows -Thermal Printer Driver Installation

Note: Before installing the driver, turn off the computer antivirus software. Visit <https://help.flashlabel.com>, you can download driver after searching keyword ST80/ST81/ST82/ST83.

Turn on the printer. Connect the printer to computer via USB cable. Double-click the compressed file you downloaded to install the driver.



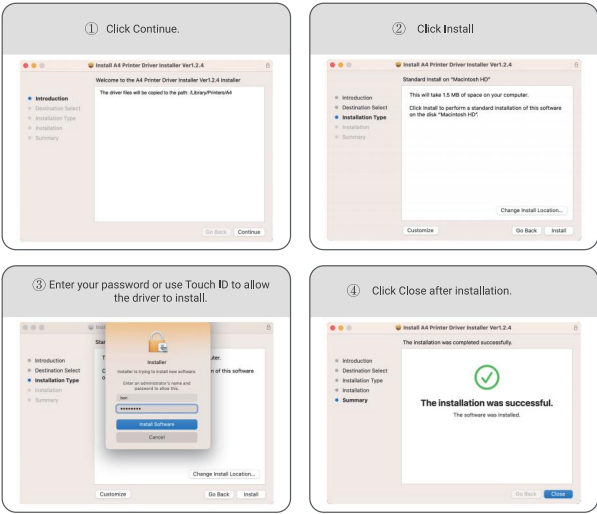
NOTE:SELECT THE CORRECT CORRESPONDING PRINTER DRIVER --ST80/ST81/ST82/ST83 BEFORE PRINTING.

Intelligent interconnection

MacOS-Thermal Printer Driver Installation

Note: Before installing the driver, turn off the computer antivirus software. Visit <https://help.flashlabel.com>, you can download driver after searching keyword ST80/ST81/ST82/ST83.

Turn on the printer. Connect the printer to computer via USB cable. Double-click the compressed file you downloaded to install the driver.



Precautions

Printing precautions:

1. It is recommended not to print in high humidity and dusty areas.
- 2.If the print head overheats after printing, please do not touch it directly.
3. To prevent static electricity from damaging the print head, do not touch the print head.
4. To ensure high-quality printing, please do not print continuously for a long time.

Precautions during charging:

1. The device cannot be in use while charging.
2. Do not forcefully insert or remove the power cord.
3. Please disconnect the power after charging.
4. Please use the original power cord for charging, otherwise the transfer machine may overheat, catch fire, and burn out.
5. Do not charge in high temperature environments.
6. If the wrong type of battery is replaced, there is a risk of explosion. It is prohibited to replace the battery without authorization, as replacing the battery without authorization will void the warranty.

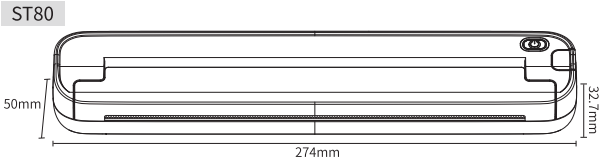
If you encounter trouble:

Q: The default PIN for connecting to the printer is "0000", but if "0000" is entered, the PIN is incorrect and cannot be connected. (Just Suitable For Android) How should I solve it?
A: It may be due to a conflict between the mobile phone's program and the transfer machine's program, causing confusion in the PIN program. Please contact our official technical team and we will send you a tutorial on modifying the PIN connection.

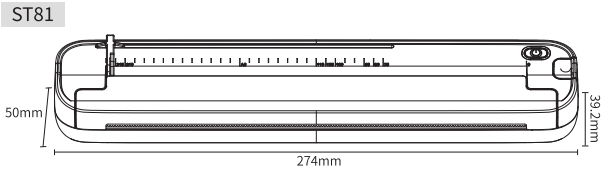
Frequently asked questions:

Problem	Reason	Resolvent
No pattern after printing	①The transparent protective film in the middle of the transfer paper was not removed ②The transfer paper was not properly placed	① Remove the transparent protective film from the transfer paper ② Insert the transfer paper correctly according to the instructions
Print blurry	Poor consumables	Please use advanced consumables
Automatic shutdown/ intermittent printing of the printer	Depleted battery	Charge now
The printer cannot be turned on or off normally /Button malfunction	Long term non reset	Find the "RESET" reset hole at the bottom of the machine and use a tool to hold down the reset

Equipment parameters

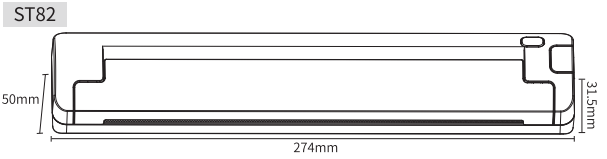


Effective printing width	Resolution ratio
208mm	203DPI
Size	Battery capacity
274×50×32.7mm	1500mAh
Connection method	Power input
USB+Bluetooth	5V --- 2A
Paper size	Support system
210mm/216mm	Android & iOS & Windows

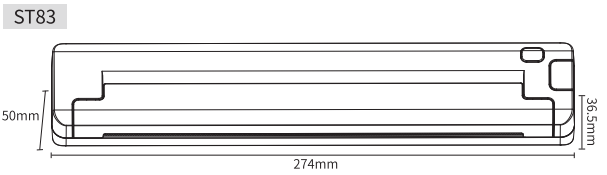


Effective printing width	Resolution ratio
208mm	203DPI
Size	Battery capacity
274×50×39.2mm	1500mAh
Connection method	Power input
USB+Bluetooth	5V --- 2A
Paper size	Support system
75mm - A4 - 216mm	Android & iOS & Windows

Equipment parameters



Effective printing width	Resolution ratio
208mm	203DPI
Size	Battery capacity
274×50×31.5mm	1500mAh
Connection method	Power input
USB+Bluetooth	5V --- 2A
Paper size	Support system
210mm/216mm	Android & iOS & Windows



Effective printing width	Resolution ratio
208mm	203DPI
Size	Battery capacity
274×50×36.5mm	1500mAh
Connection method	Power input
USB+Bluetooth	5V --- 2A
Paper size	Support system
210mm/216mm	Android & iOS & Windows

Disposal

This product must comply with the provisions of the European Directive 2012/19/EU. Products marked with the cross symbol of wheeled trash cans indicate that they need to be collected separately for garbage within the European Union. This regulation applies to products marked with this symbol and all related accessories. Products marked with this symbol must not be discarded together with ordinary household garbage but must be sent to dedicated collection points for the recycling and processing of electrical and electronic equipment.



PAY ATTENTION TO

Pay attention to :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.

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.
(2)this device must accept any interference received, including interference that may cause undesired operation.Any 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.

FCC Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.