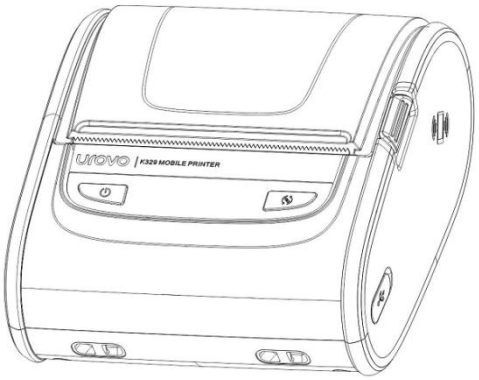
K329

Mobile Printer

[User Manual]



[2024.1.2]

Note: *

This manual is for the general functions of the K329 portable printer.
Your printer device may not have certain features mentioned here, or
the manual may not cover certain functions specific to your device terminal.
*Illustrations in this manual may differ from the actual product. Please refer to the physical product for accuracy.

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Terms of Use

Declaration:

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Product Improvement:

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- *The user fails to use the battery in accordance with the correct procedures outlined in this manual.*
- *The user or any third party commissioned by the user fails to transport or store the battery in accordance with the correct procedures outlined in this manual.*
- *The battery used by the user is purchased through channels other than official Urovo channels.*

Certification



Document Standards



All electronic and electrical products sold within the territory of the People's Republic of China must bear this symbol. The number inside the symbol represents the environmental use period of the electronic and electrical product under normal use conditions.



All electronic and electrical products sold within the territory of the People's Republic of China must bear this symbol, which signifies that this product is only suitable for safe use under non-tropical climate conditions.



Warning: The contents of this manual may not be altered without consent. We reserve the right to make changes to the product's technology, components, software, and hardware. For further information related to the product, users may contact the authorized dealer. Any section of this manual may not be reproduced or transmitted in any form or by any means without permission.



Declaration: This product is classified as Class A product and is intended for safe use only in non-tropical regions. In residential environments, this product may cause radio interference. In such cases, users may need to take practical measures to mitigate the interference.

I. Product Introduction

This user guide will provide the necessary information for operating the K329 series portable printer.

Application:



Iprint it : Companion Editing Software: Equipped with functions such as firmware upgrade, template download, management, free editing, and NFC pairing.



Uprinter: Urovo Universal Editing Software: Featuring functions such as template download, management, and free editing.

Unboxing Inspection

1. Inspect the exterior of all items for any signs of damage.
2. Open the printer paper compartment cover (refer to the paper loading instructions in the printing preparation section) and check for any damage to the paper compartment.
3. Keep the cardboard box and all packaging materials for future transportation purposes.

Packaging List:

Packaging List:
- Mobile Printer × 1
- USB Power/Data Cable × 1
- Power Adapter × 1
- Quick Start Guide × 1
- Paper Separator × 1

Overheat Shutdown

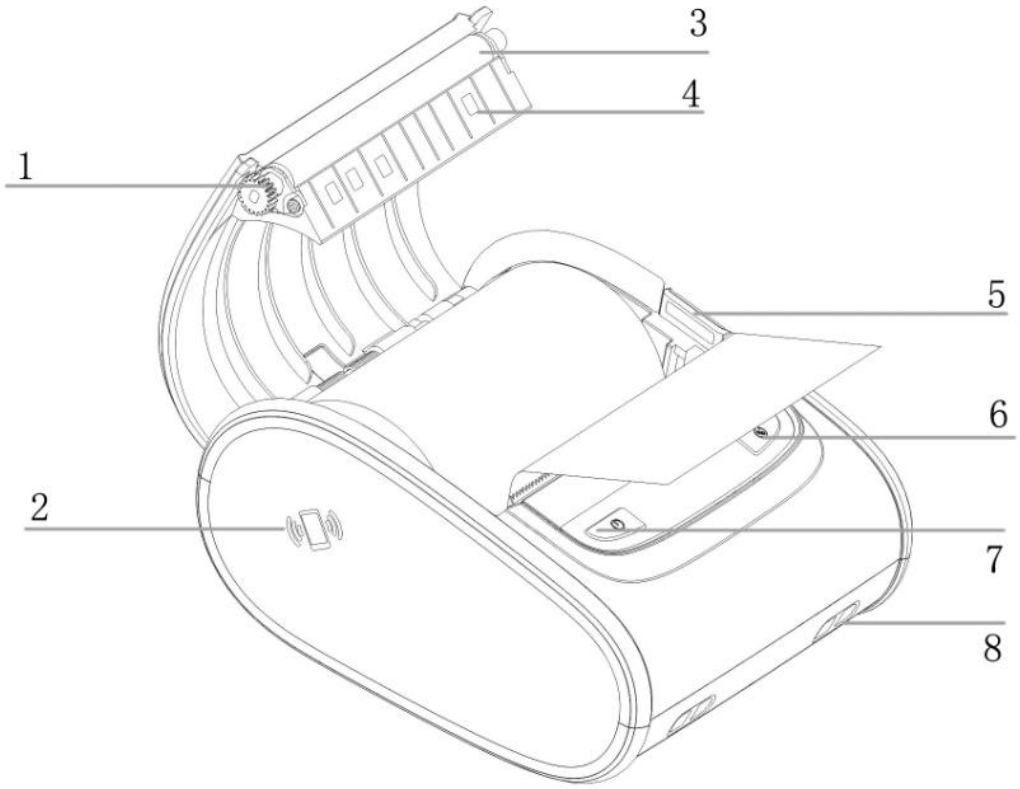
When the hardware of the K329 printer detects that the print head has reached a temperature exceeding 70 ° C, the printer will activate the overheat shutdown function. In the event of such a situation, label data may be lost. The printer will automatically stop printing at that time.

Near Field Communication (NFC) Tag

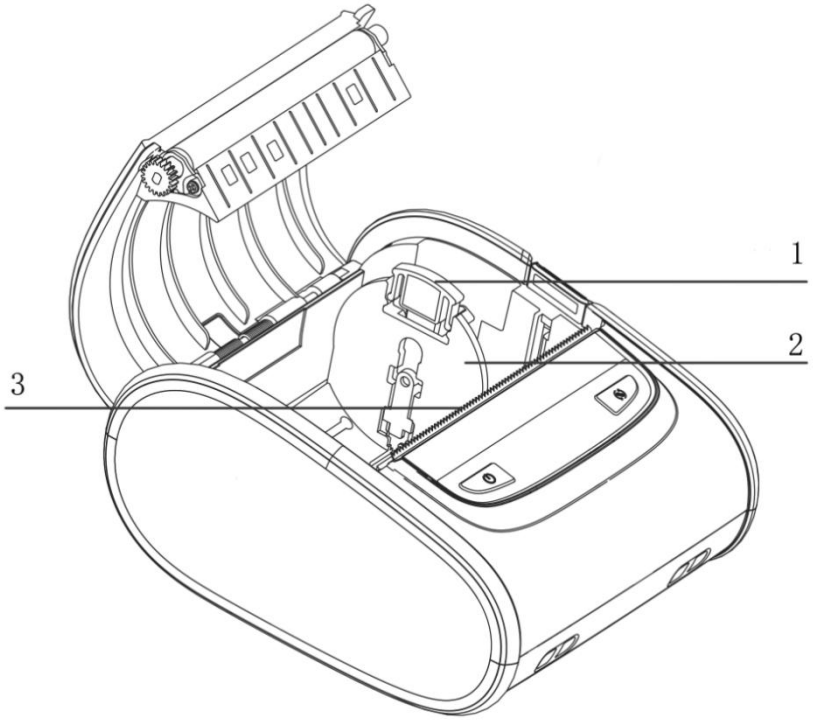
Passive NFC Tag: The tag is located on the right side of the printer and is used to facilitate quick pairing and connection with NFC-enabled Android devices by simply tapping. This feature requires the use of an accompanying mobile application (APP).

Function Overview

Appearance



No.	Description
1	Rubber roller shaft gear
2	NFC Tag
3	Rubber roller shaft
4	Sensor
5	Paper Tray Release Button
6	Paper feed/Settings/Save button
7	Power/Confirmation button
8	Lanyard hole



No.	Description
1	Paper Guide Lock
2	Paper Guide
3	Tear Blade

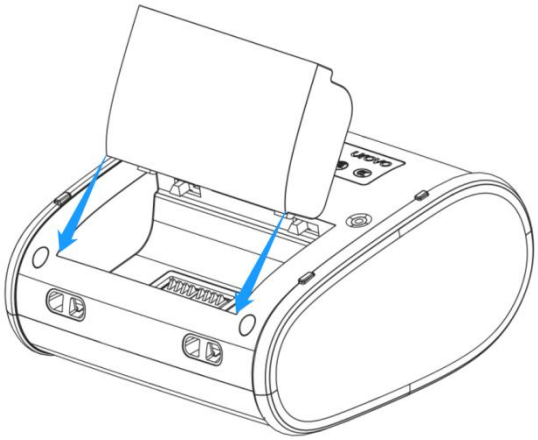
II. Setup

2.1 Battery

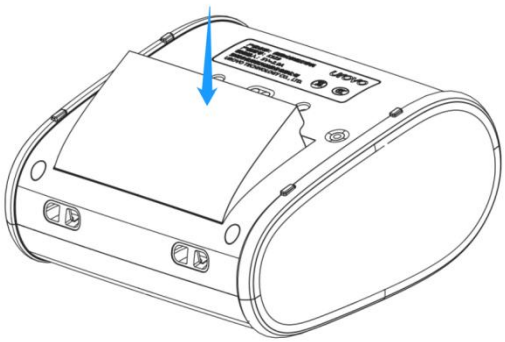
2.1.1 Battery Installation and Removal

Battery Installation

1. Insert the bottom edge of the battery into the battery slot.

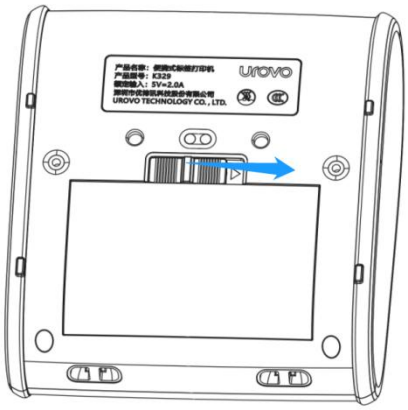


2. Press the battery inward until the battery lock snaps into place.

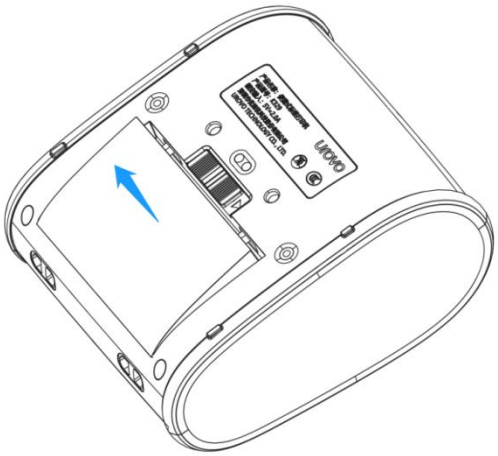


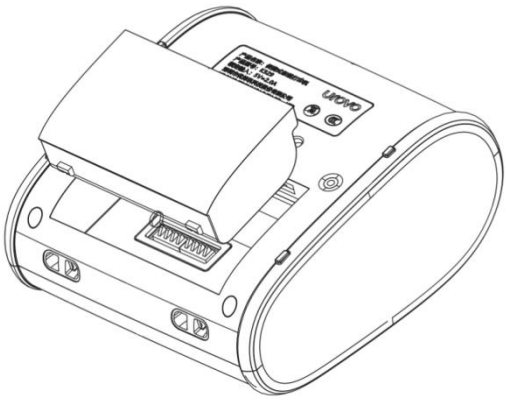
Battery Removal

1. Slide the battery lock latch to the right.



2. Remove the battery.





2.1.2 Battery Safety Warning

Warning: To prevent accidental short-circuiting of the battery, avoid direct contact between the battery terminals and conductive materials. Failure to do so may result in battery short-circuiting, leading to burns, fires, or other injuries.

Warning: Using any charger not certified by Urovo to charge the battery may damage the battery pack or printer, and may void the warranty.

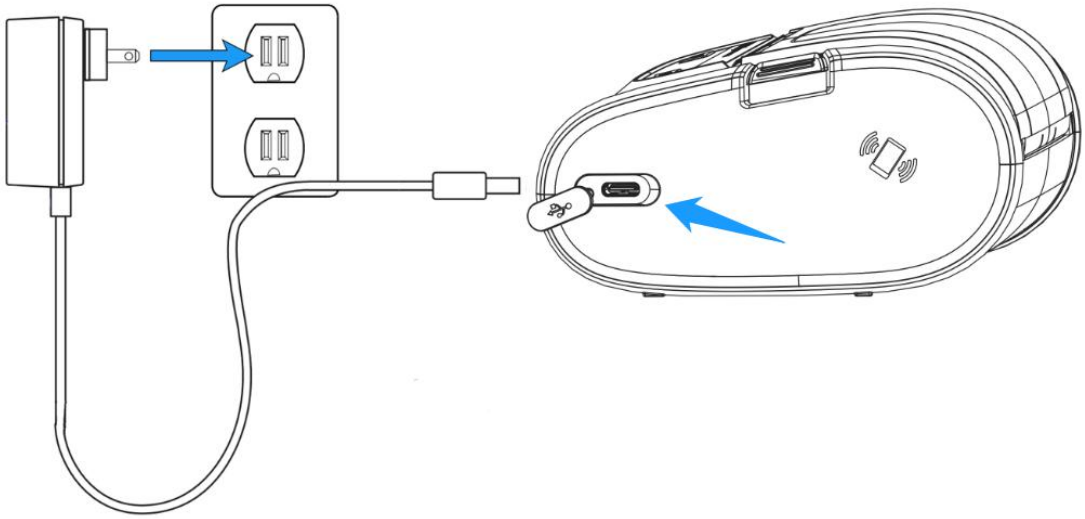
Warning: Do not incinerate, disassemble, short-circuit the battery, or expose it to temperatures exceeding 65 ° C (149 ° F).

Warning: Do not place any charger near liquids or where metal objects may fall into the charging slot.

2.1.3 Battery Charging

Important Note: Before using the printer for the first time, it is necessary to fully charge the battery.

USB Type Adapter (5V, 2A)



- **Connect the USB data cable to the power adapter.**
- **Plug the power adapter into an AC power outlet.**
- **Lift the waterproof plug at the USB interface position on the printer, exposing the USB interface.**
- **Insert the USB Type-C connector into the USB interface on the printer without distinguishing between the correct orientation.**
- **The printer will power on and begin charging. During the charging process, the charging icon will be displayed on the LED screen until the battery is fully charged.**

 -> Charging Lightning Icon -> 

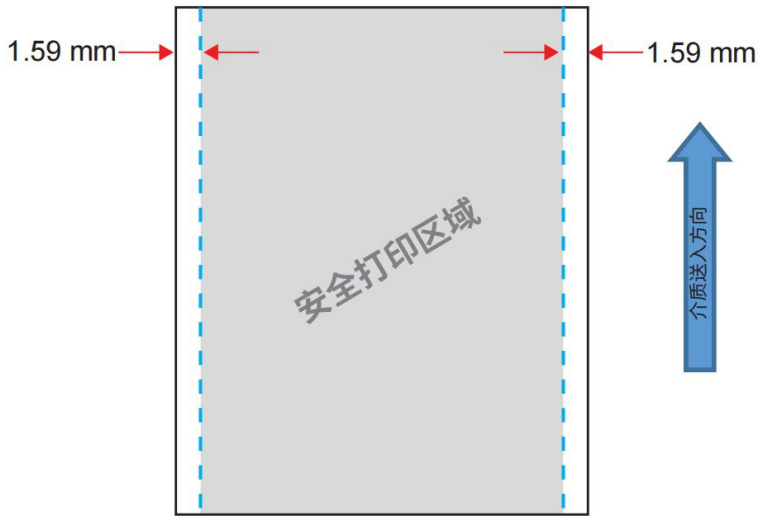
2.2 Consumables

Printing Consumables Specifications

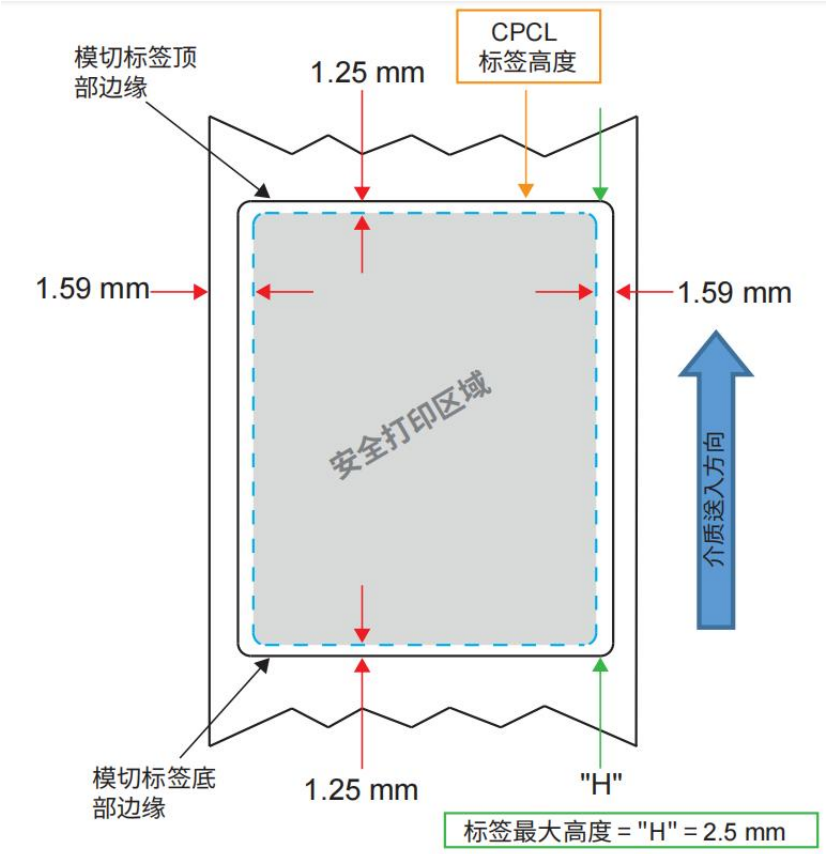
Category	Parameters
Media Type	continuous paper, label paper, black label paper
Media Width	30~80mm
Media Thickness	0.053~0.16mm
Media Roll Size(OD)	50mm
Media Roll Size(ID)	NONE
Minimum Print Length	15mm
Maximum Print Length	Not restricted under ESC/POS receipt mode.

Label Design

❖ Continuous Paper

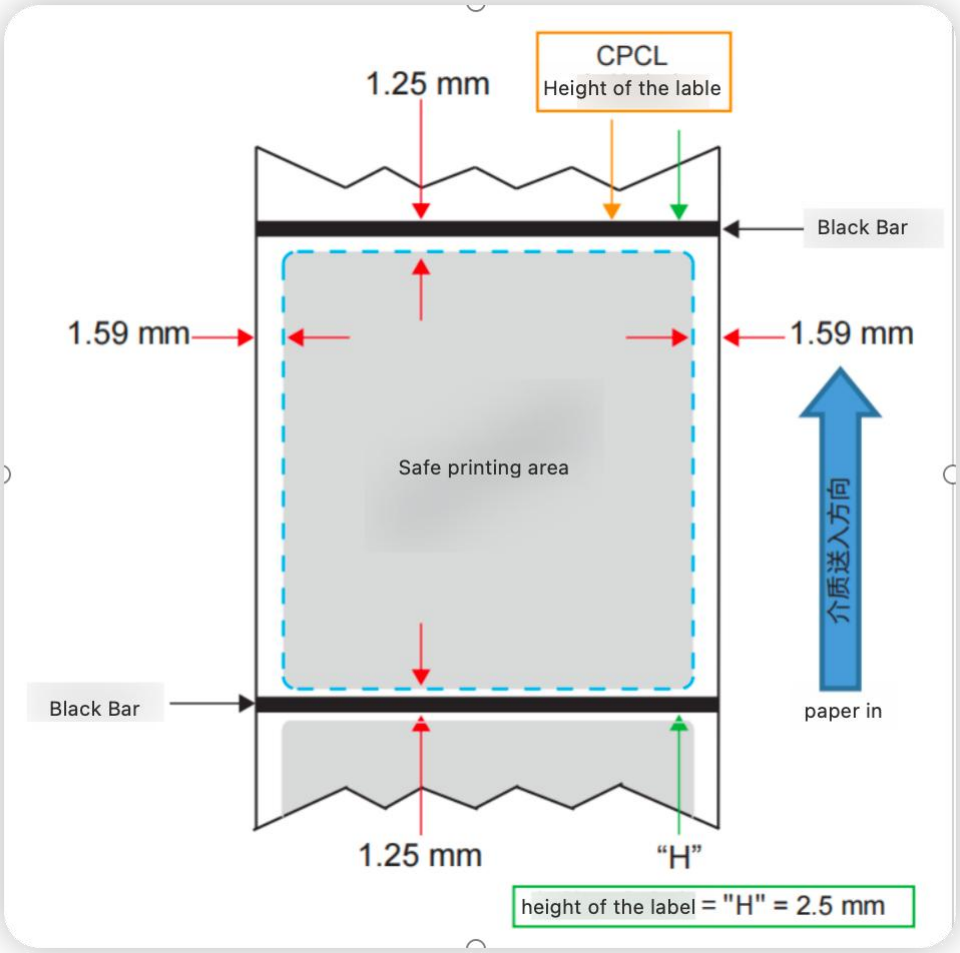


❖ Label Paper



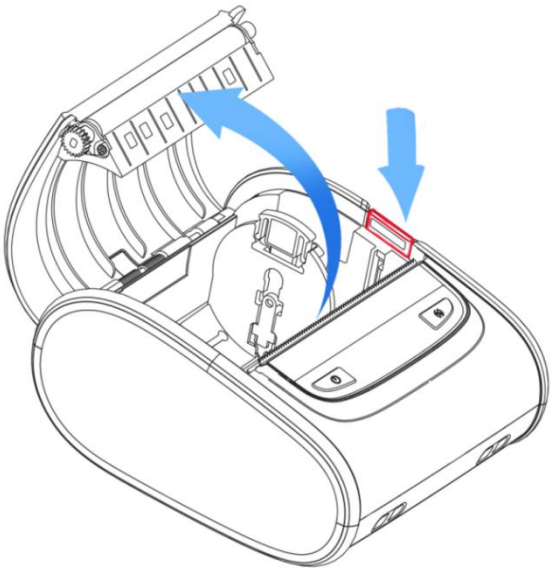
❖ Black Mark Paper

Left Black Mark, Back Detection Preferred

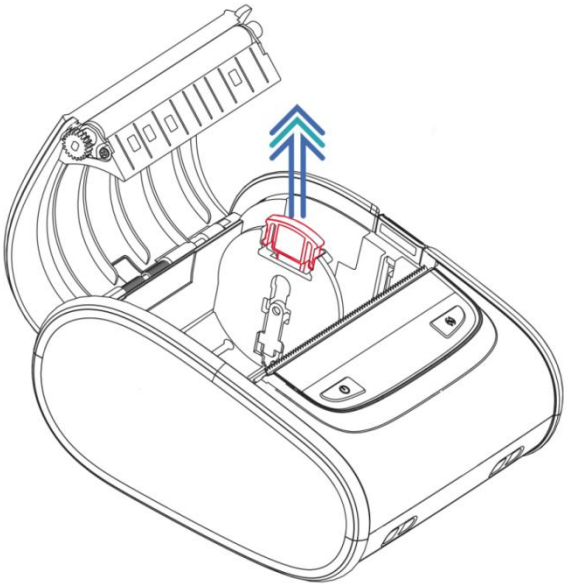


Paper Installation

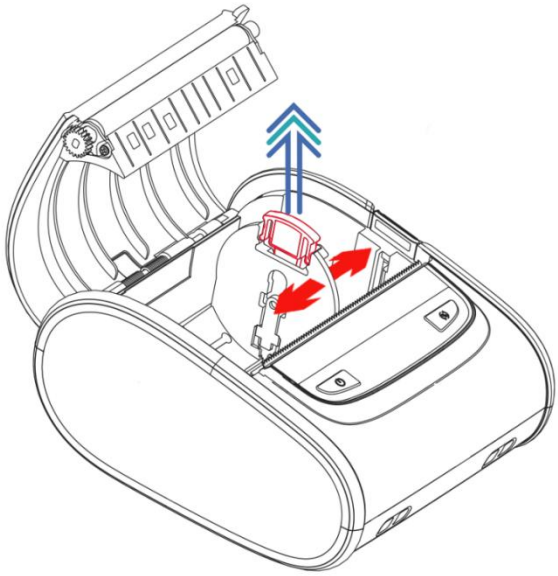
1. Press the paper tray button to open the paper tray.



2. Pull up the paper guide lock latch to allow the paper guide to slide freely left and right.



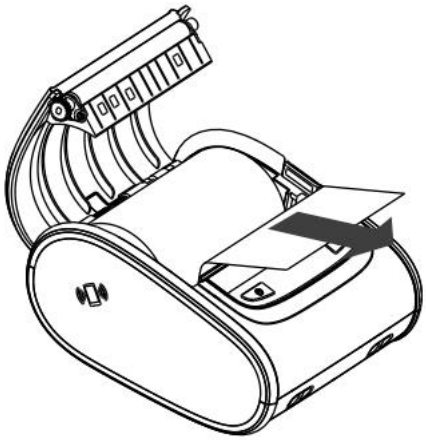
3. Adjust the position of the paper guide according to the actual width of the paper.



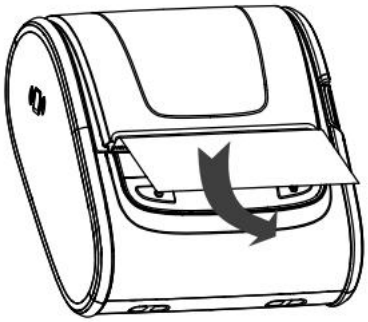
4. Press the paper guide lock latch to secure it in place, then load the print paper roll.



5. Pull out some of the paper roll, close the printer cover, and make sure that both sides of the cover are closed.

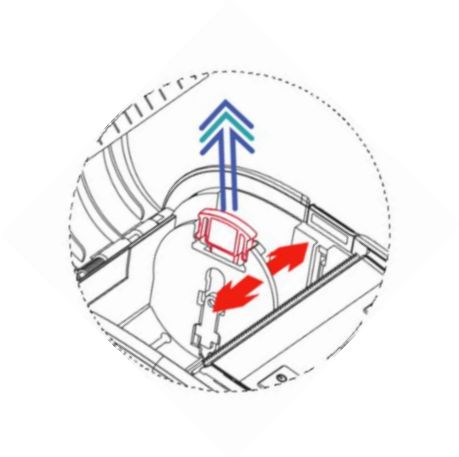


6. Tear off the excess paper towards the direction of the tear blade.



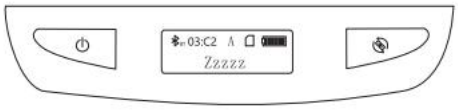
2.3 Adjustment of the paper guide

1. Unlock: Lift the paper guide lock latch.
2. Adjustment: After unlocking, move the paper guide left or right according to the actual width of the paper.
3. Secure: Press down the paper guide lock latch.

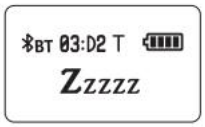
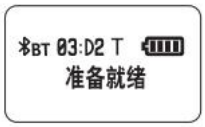


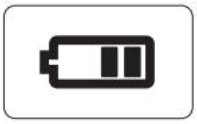
2.4 User Interface Operation Instructions

This section introduces the interface icons and the usage of buttons.



2.5 Status Explanation

	Indicates that the printer is currently in sleep mode.		Indicates that the printer is currently in printing mode.
	Indicates that the printer is currently in standby mode.		Indicates that the thermal head temperature is too high.
	Indicates that the printer cover is not closed.		Indicates that the printer is out of paper.
	Indicates that the device supports Bluetooth functionality.		Indicates the last four digits of the Bluetooth address.
	Indicates the printer instruction set, where "A" stands for Auto, allowing automatic switching based on the type of command being transmitted. If there is no operation under a certain instruction set for 5 seconds, it will automatically switch back to Auto mode.		"T" represents TSPL instructions, indicating that the printer is currently using the TSPL instruction set.
	"C" represents CPCL, indicating that the printer is currently using the CPCL instruction set.		"E" represents ESC/POS, indicating that the printer is currently using the ESC/POS instruction set.
	Indicates that the current paper type is label paper or gap paper.		Indicates that the current paper type is continuous paper.

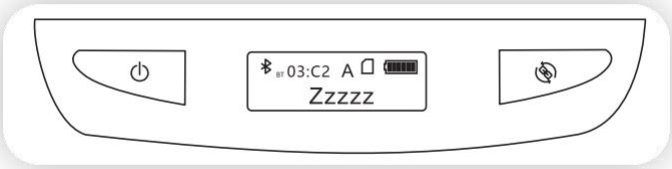
	Indicates that the current paper type is black mark paper.		Indicates the current battery level of the printer.

2.6 Introduction to Button Functions

Button Introduction

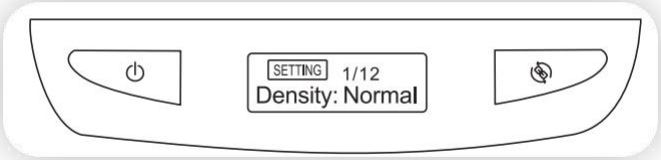
”The button on the left is the Power/Settings button.

”The button on the right is the Feed/Menu button.



Setting Operations

In menu mode, short press the "Power/Settings" button to switch between menu sub-options, and long press the menu button to save and exit.。



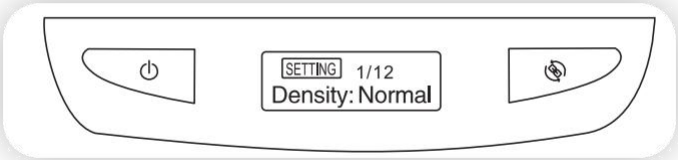
Power On Operation

”ress and hold the "Power/Settings" button for 3 seconds, then release it to power on the printer.



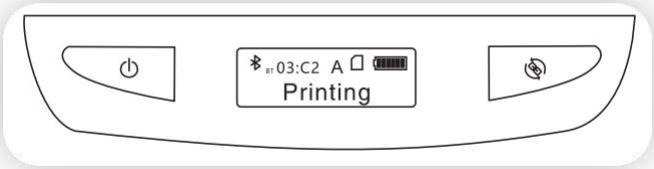
Menu Operation

When the printer is in standby mode, long press the "Feed/Settings" button for 1 second to enter the menu mode, then short press the "Feed/Settings" button to switch between menu options.



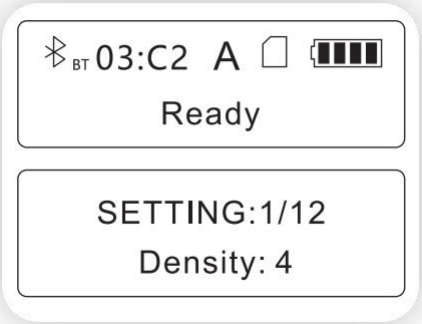
Paper Feed Operation

When the printer is in power-on mode, long press the Feed/Settings button for 1 second, then release it to feed one label. Press the Power button for 0.5 seconds to feed one line.



Set Print Density

You can choose from: Low Density, Normal, High Density.
Operation Steps:
1. Long press the "Feed/Menu" button for 1 second to enter settings.
2. Short press the "Feed/Menu" button to switch to the parent menu "Print Density".
3. Short press the "Power/Settings" button to select one of the sub-menus "Low Density, Normal, High Density".
4. Long press the "Feed/Menu" button for 2 seconds to save and complete the setting.



Media type settings

Options: Gap paper, Black mark paper, Continuous paper.

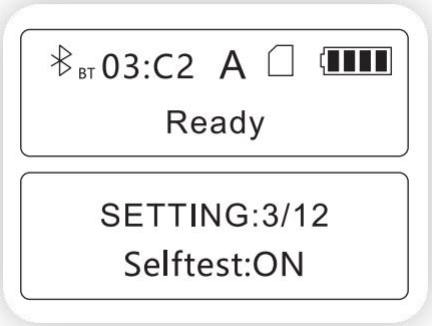
Operating steps:
1. Long press the "Feed/Menu" button for 1 second to enter settings.
2. Short press the "Feed/Menu" button to switch to the parent menu "Paper Type".
3. Short press the "Power/Settings" button to select one of the submenus: "Gap paper, Black mark paper, Continuous paper".
4. Long press the "Feed/Menu" button for 2 seconds to save and complete the settings.



Printing Self-Test Page

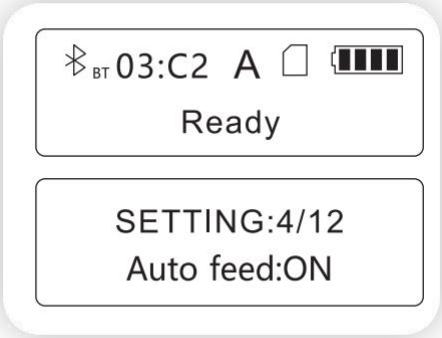
Operation Steps:
1. Long press the "Feed/Menu" key for 1 second to enter the settings.
2. Short press the "Feed/Menu" key to switch to the parent menu "Print Self-Test Page: Off".
3. Short press the "Power/Settings" key to select the sub-menu "Print Self-Test Page:

On", and the self-test page will be printed after 0.5 seconds.



Automatic paper feed settings when the cover being closed

Operating steps:
1. Long press the "Feed/Menu" button for 1 second to enter settings.
2. Short press the "Feed/Menu" button to switch to the parent menu "Automatic Cover Closing Paper Feed: Off".
3. Short press the "Power/Settings" button to select the submenu "Automatic Cover Closing Paper Feed: On".
4. Long press the "Feed/Menu" button for 2 seconds to save and complete the settings.
Note: Automatic cover closing paper feed is not available in continuous paper mode.操作

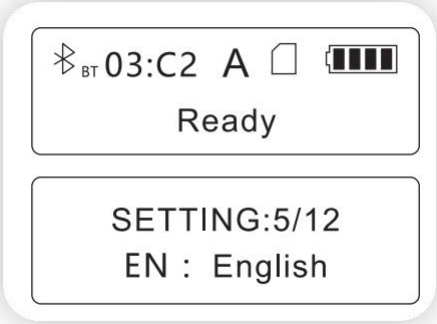


Language settings.

Options: Chinese, English.

Operating steps:
1. Long press the "Feed/Menu" button for 1 second to enter settings.
2. Short press the "Feed/Menu" button to switch to the parent menu "Language: Chinese".

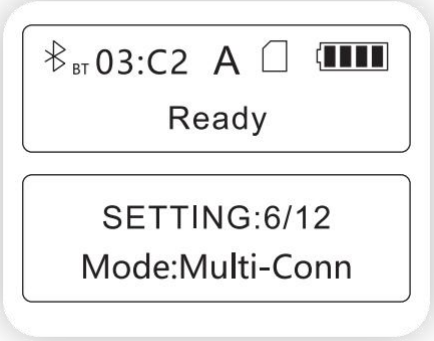
3. Short press the "Power/Settings" button to select the submenu "Language: English".
4. Long press the "Feed/Menu" button for 2 seconds to save and complete the settings. English interface is enabled.



Bluetooth mode settings.

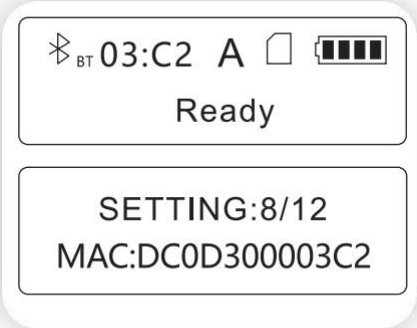
Options: High speed, Multi-connection.

Operating steps:
1. Long press the "Feed/Menu" button for 1 second to enter settings.
2. Short press the "Feed/Menu" button to switch to the parent menu "Bluetooth mode: High speed".
3. Short press the "Power/Settings" button to select the submenu "Bluetooth mode: Multi-connection".
4. Long press the "Feed/Menu" button for 2 seconds to save and complete the settings. Multi-connection mode is enabled.



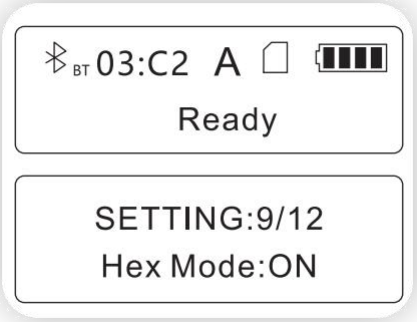
View Bluetooth information.

Operating steps:
1. Long press the "Feed/Menu" button for 1 second to enter settings.
2. Short press the "Feed/Menu" button to switch to the parent menu displaying the machine's Bluetooth name.
3. Short press the "Feed/Menu" button to switch to the parent menu "DCOD300003C2", which is the machine's Bluetooth address code.
4. Long press the "Feed/Menu" button for 2 seconds to return to the home screen.



Debug mode settings.

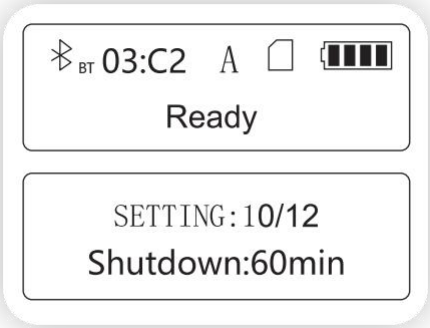
Operating steps:
1. Long press the "Feed/Menu" button for 1 second to enter settings.
2. Short press the "Feed/Menu" button to switch to the parent menu "Debug mode: Off".
3. Short press the "Power/Settings" button to select the submenu "Debug mode: On".
4. Long press the "Feed/Menu" button for 2 seconds to save and complete the settings. Debug mode is enabled.



Auto power-off settings

Options: 10 minutes, 30 minutes, 60 minutes, 90 minutes, Off.

Operating steps:
1. Long press the "Feed/Menu" button for 1 second to enter settings.
2. Short press the "Feed/Menu" button to switch to the parent menu "Auto power-off: 60 minutes".
3. Short press the "Power/Settings" button to select one of the submenus: "10 minutes, 30 minutes, 60 minutes, 90 minutes, Off".
4. Long press the "Feed/Menu" button for 2 seconds to save and complete the settings.



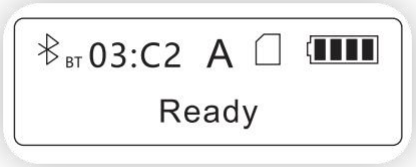
Restore factory settings.

Operating steps:
1. Long press the "Feed/Menu" button for 1 second to enter settings.
2. Short press the "Feed/Menu" button to switch to the parent menu "Restore factory settings: Off".
3. Short press the "Power/Settings" button to select the submenu "Restore factory settings: On".
4. After 2 seconds, the device will automatically power off and the changes will take effect upon restarting.



Viewing Version Information

Operation Steps:
1. Long press the "Feed/Menu" key for 1 second to enter the settings.
2. Short press the "Feed/Menu" key to switch to the parent menu "Version: Date".
3. Short press the "Power/Settings" key to select the sub-menu "Version: Time" to complete viewing.





III. Quick Start

3.1. Button and Appearance Introduction

3.1.1 Power button



The function of the power button

❶. Power on: Long press for 2 seconds.

Power off: Long press for 3 seconds.

❷. Short press the paper feed button once to feed the paper by 3mm.

❸. After entering the printer menu interface, short press to switch the parameters of the selected setting item.

3.1.2 Feed button



The function of the paper feed button:

❶.Long press for 1 second to feed one label.

❷.Long press for 2 seconds to enter the menu interface of the printer; once in the menu interface, long press for 1 second to exit/save the menu interface.

❸.进入到打印机菜单界面后，短按切换设置项。

3.1.3Paper Tray Cover Open Button, Paper Cutter

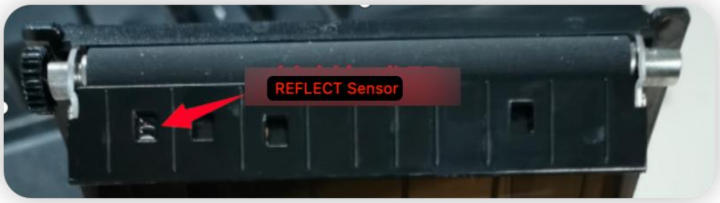
Function of the open cover button:

❶.Pressing the open cover button opens the paper tray cover of the printer.

The function of the paper cutter：

❶.The paper cutter is used for tearing paper, including continuous paper, label paper, and black mark paper.

3.1.4 Reflect sensor



The function of reflect sensor：

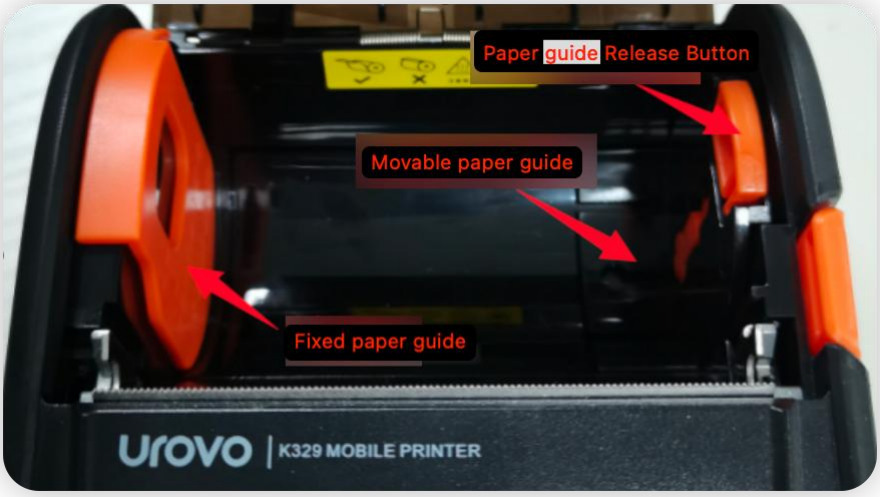
❶.Detects whether the printer cover is open.

❷.Detects whether the printer is out of paper.。

❸.Detects the gap position of label paper.

❹.Detects the position of the black mark on black mark paper.

3.1.5 Paper guide



The function of paper guide:

❶.When loading continuous paper, black mark paper, or paper rolls with a width of more than 76mm, the paper guide should be removed.

❷.When loading less than 76mm, the paper guide should be installed and adjusted

The function of paper guide lock button:

❶.Pressing the paper guide button locks the position of the paper guide support.

❷.When the paper guide button is pulled up, it unlocks the position of the paper guide support, allowing the paper guide to be moved left or right to accommodate different widths of paper rolls.

3.1.6 Type-C port & NFC Tag

The function of Type-C port:

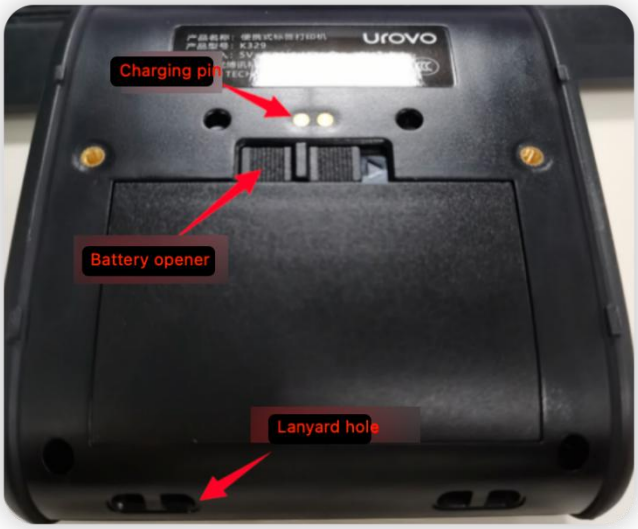
❶.Connect the 5V charger for charging.

❷.Connect to the computer USB port for data transfer.

The function of NFC Tag:

❶.When the phone's NFC function is activated and Uprinter app is installed, bringing the phone close to the printer's NFC tag will automatically pair and connect to the printer via Bluetooth.
**Tag data is written to the Bluetooth Mac address at the factory and cannot be changed.

3.1.7 Reserve charging pin, Battery clip, Lanyard hole



The function of charging pin

❶. For cradle reserve.

The function of Battery opener:

❶.Slide to the right to unlock the battery and remove it.

The function of Lanyard hole

❶.Easy lanyard installation

3.2 Introduction to the printer menu screen

Standby, long press the feed button for 2s, the printer enters the menu interface; after entering the menu interface, short press the feed button to switch the setup item, short press the power button to change the status of the setup item.

3.2.1 Print density



The default value of print concentration is 4, and it can be set to 1, 2, 3, 4, 5, 6, or 7, corresponding to the concentration effect as follows:



3.2.2 Media type



The default value for paper type is Gap Paper, which can be set to Continuous Paper, Gap Paper, or Black Label Paper.

3.2.3 Print command



The default is AUTO, can be set to AUTO, TSPL, ESC, CPCL。

❶. AUTO mode, The printer automatically determines the command type and switches

according to the received data.

❷. TSPL mode, Manually switches the printer to the TSPL command set.The TSPL command control the printer as string instructions.

❸. ESC mode, Manually switches the printer to the ESC command set.ESC commands consist of escape characters and parameter characters or print data. Print command settings are made directly using hexadecimal data.

❹. CPCL mode, Manually switches the printer to the CPCL command set.The CPCL command control the printer as string instructions.

3.2.4Command introduction

CPCL
TSPL
ESC
ZPL
*Refer to the command documentation for details.

3.2.5 Print Offset



The default value for print offset is no offset, which can be set to 1mm up, 2mm up, 3mm up, 4mm up, 5mm up, 1mm down, 2mm down, 3mm down, 4mm down, 5mm down, and no offset.

❶. Move Up, when printing labels or face sheets, move the print up according to the set move up distance.

❷. Move Down, when printing labels or face sheets, moves the print content down according to the set move down distance.

❸. No Offset, prints the content without offsetting

3.2.6 Rotate Print Direction



The default value of the rotation direction is 0 ° , which can be set to 0 ° and 180 ° .

❶.Rotate 0 ° , the print will be rotated according to the set rotation direction when printing.



❷.Rotate180 ° , Rotate 0°, the print will be rotated according to the set rotation direction when printing.



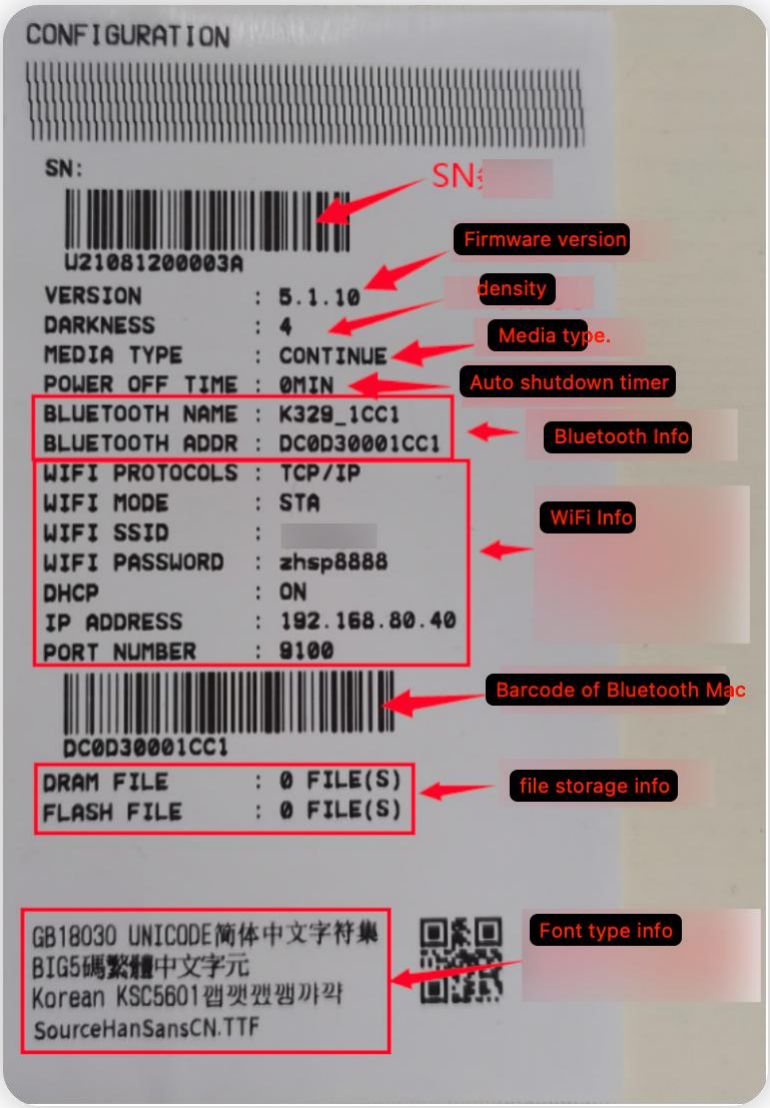
3.2.7 Printing the self-test page



The default value for printing the self-test page is off, and can be set to off, on.

❶. Off, no self-test page is printed.

❷. Turn it on and print the self-test page with the following effect:



3.2.8 user interface language



It can be set to Chinese, English.

❶. 中文, the language of the printer operation interface is switched to Chinese.

❷. English, the printer interface language is switched to English.

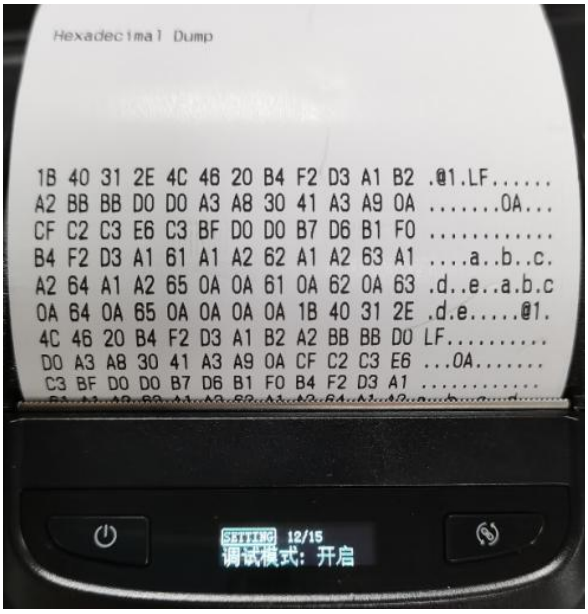
3.2.9 Two-Byte mode



The value can be set to On, Off.

❶.On, the printer switches to GB mode, and under the ESC command set, you can print GB936 font Chinese.

❷. off, the printer switches to international mode, and international code pages can be printed under the ESC command set.



3.2.10 Auto Power Off Timer



Printer auto shutdown time setting, default value is none. It can be set to none, 10 minutes, 30 minutes, 60 minutes, and 90 minutes.

3.3 Printer Status

3.3.1 Printer status viewing

The main status of the printer: Please close the cover, Please load paper, Gap error, Black mark error, Low battery, Printing, Overheat error, Sleep.
Sleep, that is, the printer enters the power-saving hibernation mode without operation, and can be woken up by pressing the button. Bluetooth connection, it will automatically exit hibernation when power is turned on. The screen display is shown below:



Sleep status

Please open the cover, i.e., it prompts that the paper bin cover is not closed. The screen prompt is shown below:



Cover open error

Paper end, i.e., prompts that there is no printable paper in the printer. The screen prompt is shown below:



Paper end error

Gap error, that is, the printer is prompted to receive a positioning command but can not be positioned to the label gap. The screen prompt is shown below:



Gap detect error

Black Mark Error, which indicates that the printer received a positioning command but was unable to position to the black mark. The screen prompt is shown below:



Black Mark error

Low battery, which indicates that the printer battery is low. The screen prompt is shown below:



Low battery indicator

Printing is in progress, i.e., the printer is now printing. The screen prompt is shown below:



Printing

Overheating error, i.e., the printer's thermal print head is overheated due to long continuous printing, resulting in overheating protection to avoid overheating leading to accidents. The screen prompts are shown below:



Overheating error

3.3.2 Return status query

Enable/disable self-return

The printer can check the status of the printer via Bluetooth, WiFi, serial port and

USB port, when the auto return status is turned on.

- To turn off the auto return status, send the command:
  0x1F 0x1B 0x1F 0x09 0x03 0x05.
- To turn on the auto return status, send the command:
  0x1F 0x1B 0x1F 0x09 0x03 0x04.

Error status return

When the auto return status is turned on, the printer automatically returns to the status when an open cover error, paper out error, gap error, black mark error, overheat error, or recovery from an error state occurs.

- Printer occurs open cover error, auto return:
  0x1F 0x05 0x1B.
- A paper out error occurs in the printer and is automatically returned:
  0x1F 0x04 0x1B.
- A gap error has occurred in the printer and is automatically echoed back:
  0x1F 0x08 0x1B.
- A black mark error has occurred in the printer and is automatically echoed back:
  0x1F 0x10 0x1B.
- An overheat error occurred in the printer, auto echo:
  0x1F 0x01 0x1B.
- The printer recovered from an error state, auto-return:
  0x1F 0x00 0x1B.

Manual return

Enable/disable auto return status, both can actively obtain the printer status, ESC, TSPL, CPCL instruction set, different instruction sets have different instructions to obtain the printer status.

- ESC command, real-time status transfer command, hexadecimal: 0x10 0x04 n, ASCII code: DLE EOT n.
- TSPL command, Query Printer Status Command, Hex: 0x1B 0x21 0x3F, ASCII Code: !?

- CPCL command, Query instruction, hex: 0x1B 0x68。

Battery Levels

Send printer power query command: 0x10 0x06 0x03 0x05 0x0C 0x0C.

- Printer low battery blinking, return: 0x5F 0x0A 0x5F.

- Printer 25% power, return: 0x5F 0x19 0x5F.
- Printer 50% power, return: 0x5F 0x32 0x5F.
- Printer 75% power, return: 0x5F 0x4B 0x5F.
- Printer 100% charged, return: 0x5F 0x64 0x5F.
- Printer charging, return: 0x5F 0xC8 0x5F.

Check the printer model and firmware version

Send printer model query command, hex: 0x7E 0x21 0x54, ASCII code: ~!T

- Printer Return, Hex: 0x4D 0x4F 0x44 0x45 0x4C 0x3A 0x55 0x52 0x4F 0x56 0x4F 0x2D 0x4B 0x33 0x32 0x39 0x0D 0x0A, ASCII: MODEL:UROVO-K329.

Send the printer firmware version query command, hexadecimal: 0x7E 0x21 0x56, ASCII code: ~!V

- Printer Return, Hex: 0x56 0x35 0x2E 0x31 0x2E 0x31 0x30 0x0D 0x0A, ASCII: V5.1.10

IV. Printer Fonts

Printers are equipped with different capacities for storing font libraries according to different models, which are used to print different fonts. Font libraries are generally divided into two types: dot matrix and vector.

Dot matrix font libraries divide each Chinese character into 16 × 16 or 24 × 24 dots and represent the outline of the Chinese characters with the presence or absence of each dot. They are commonly used as display font libraries. The biggest drawback of this type of dot matrix font library for Chinese characters is that they cannot be enlarged. Once enlarged, jagged edges will appear around the characters.

Vector font libraries store descriptive information for each Chinese character, such as the starting and ending coordinates of each stroke, radius, curvature, etc. When displaying or printing this type of font library, a series of mathematical operations are required to produce the output. However, theoretically, the Chinese characters stored in this type of font library can be enlarged indefinitely, and the stroke outlines can still remain smooth. However, there may be a drawback of blurriness when printing small fonts.

4.1Dot matrix font

The default dot matrix font libraries for K329 series printers are:

① GB18030 UNICODE Simplified Chinese character set.

② BIG5 Traditional Chinese character set.
③ Korean KSC561 Korean character set.

4.2 Vector library

The default vector font for K329 series printers:

❶.SourceHanSansCN.TTF

▲The method of using vector font by ESC instruction:

There are two instructions, send 0x1F 0x9C 0x01, ESC prints data using vector font by default; send 0x1F 0x9C 0x00, ESC prints data using dot matrix font by default.

The test results are as follows:

send: 1F 9C 01 E6 89 93 E5 8D B0 E6 B5 8B E8 AF 95 0D 0A 31 32 33 0D 0A 41 42 43 44 0D 0A 0D 0A 0D 0A 0D 0A 0D 0A 1F 9C 00



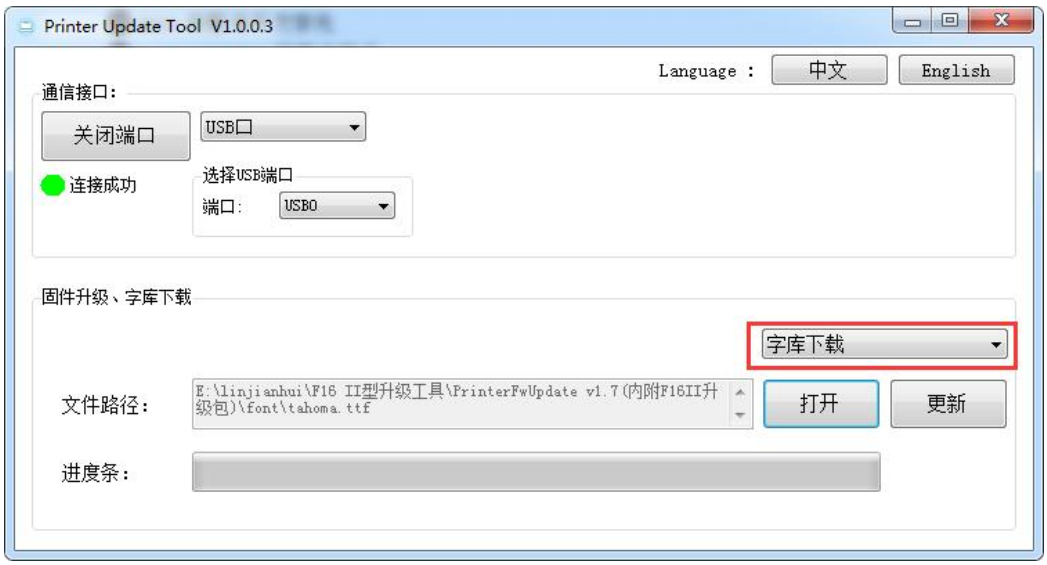
▲A method of using a vector word bank via the TSPL instruction:

Refer to《优博讯标签打印机编程手册 tspl v1.0.6.pdf》, One of the TEXT instruction is used. font in TEXT is set to TSS20.BF2, TSS32.BF2, SCN.TTF, USER.TTF, then vector fonts are printed.

▲A method of using a vector word bank via the CPCL instruction:

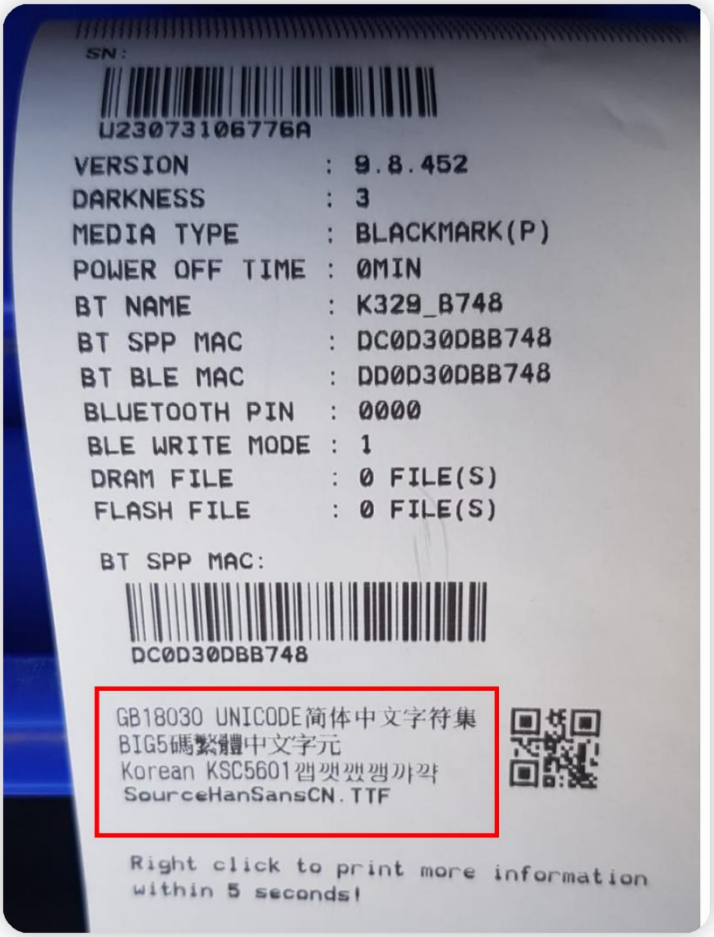
Refer to《优博讯面单打印机编程手册 cpcl v1.0.3.pdf》, One of the TEXT directives is used. font in TEXT is set to 0, 2, 3, 4, 5, 7, 8, 24, 28, 55, 56, 57, 87, 88 to print vector fonts.

The vector font library of the printer is replaceable. If you need to download vector font libraries to the printer, you can use the PrinterUpdateTool upgrade software (the software compression package is provided below) to download the font library to the printer or restore the factory font library.



4.3 Font Information Query

You can view the built-in font information by printing the self-test page

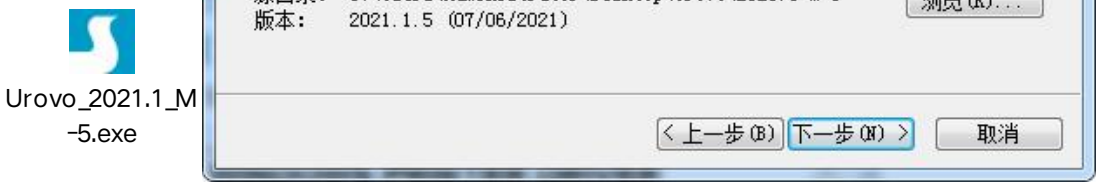


V. Connect to printer

5.1 Windows driver

5.1.1 Driver installation

First connect the printer to your computer via USB, install the driver for the appropriate printer model on your computer, and then set the printer port.



1. Download the driver, which can be obtained from the official website or provided by the liaison person.
2. Double-click the driver installation package to install it.
3. Install the appropriate driver, either via USB or other methods.
4. Use the driver to print a test page (please ensure proper paper usage, as incorrect settings may result in errors).

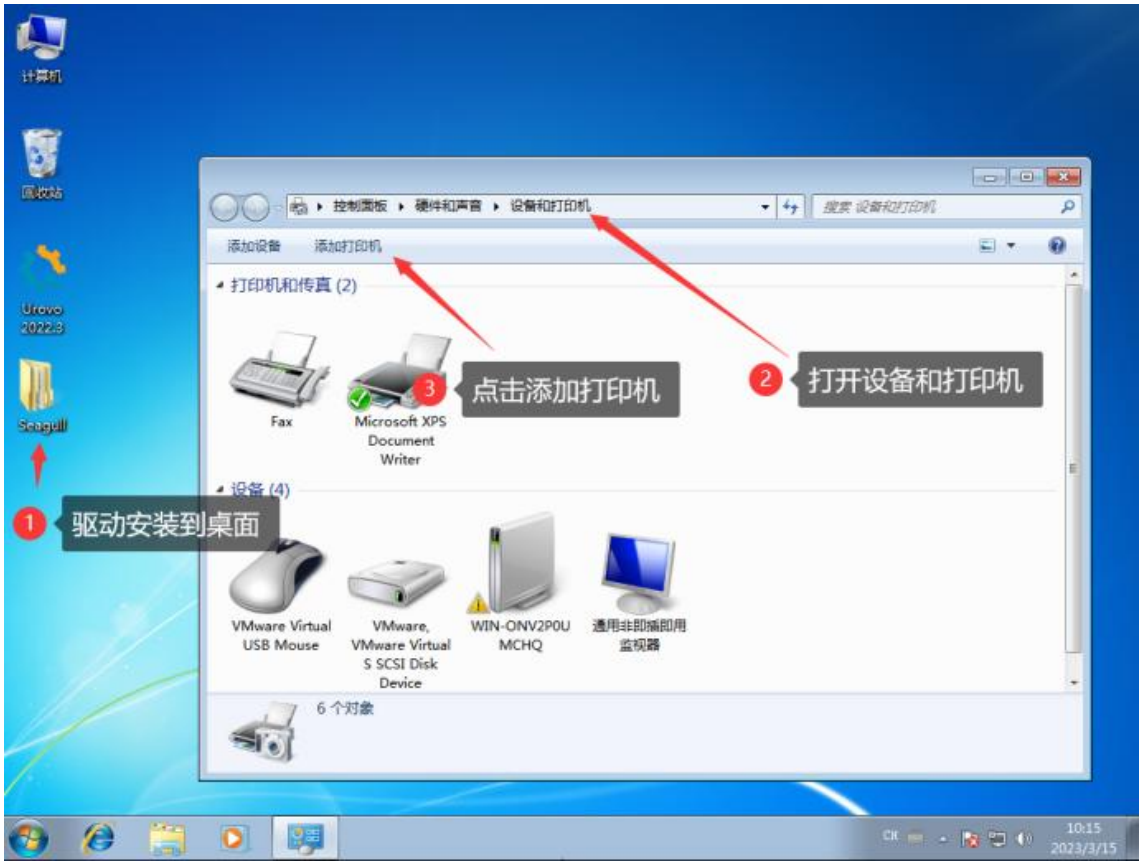

设备和打印机
控制面板 › 硬件和声音 › 设备和打印机
添加设备
添加打印机
打印机 (1)
Urovo K329
多媒体设备 (3)
设备 (4)
未指定 (1)

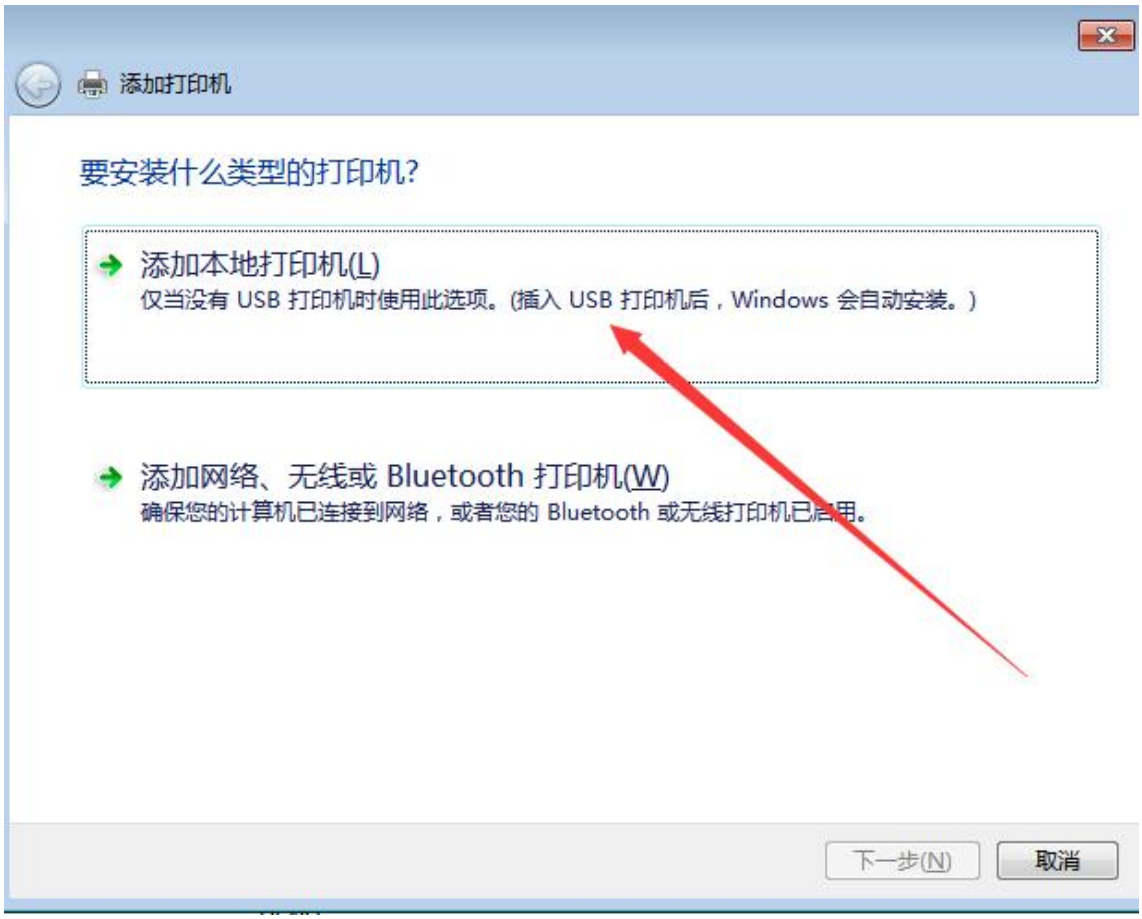
5.1.2 Windows 7 driver installation demo

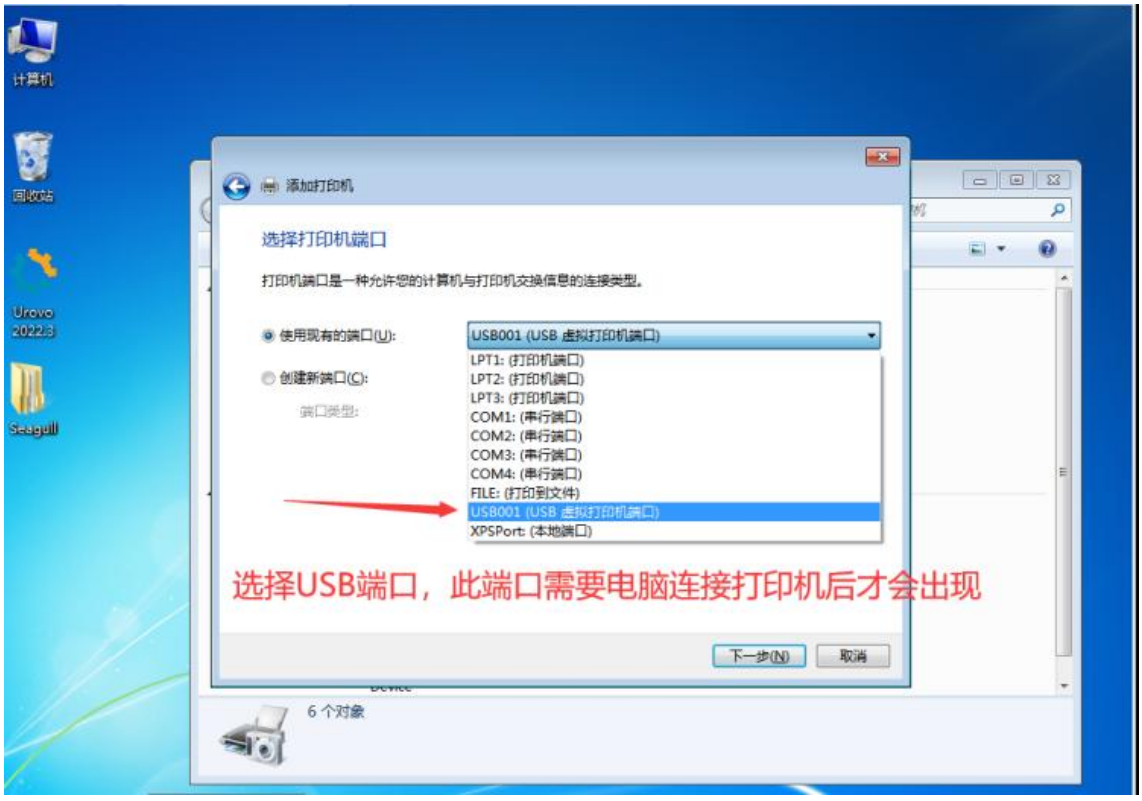
If the operating system is Win7 and automatic installation fails, you can use the manual installation method:

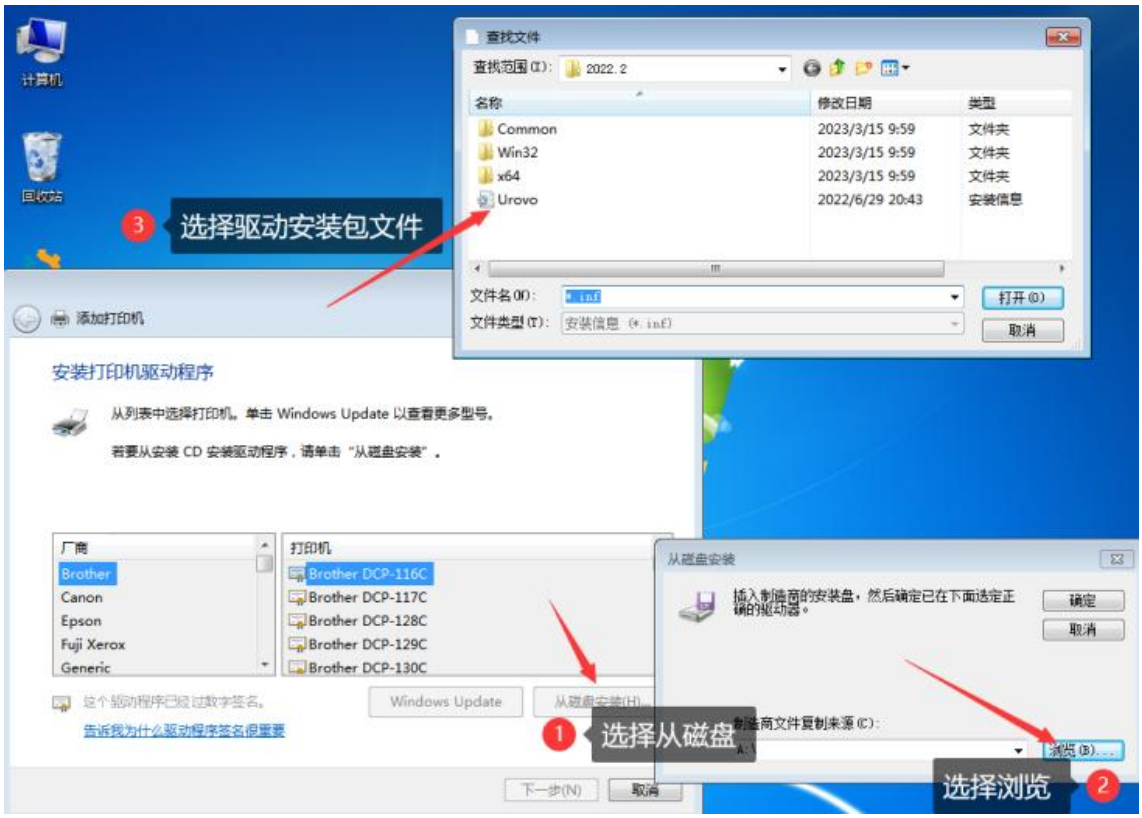
① Install the driver package (remember the path, you can install it to the desktop).
② Open Devices and Printers (Control Panel - Hardware and Sound - Devices and Printers).
③ Click Add Printer - Add a local printer (L).
④ Use an existing port - USB Virtual Printer Port (this port appears only after the computer is connected to the printer), then click Next.
⑤ Click on "Have Disk" - Browse - Select the path of the installation package file (Urovo.inf) and click OK.
⑥ Select your desired model and click Next until the installation is complete (some systems may prompt for Windows security, requiring you to click Install).
⑦ Once completed, you can click "Print Test Page" to test.

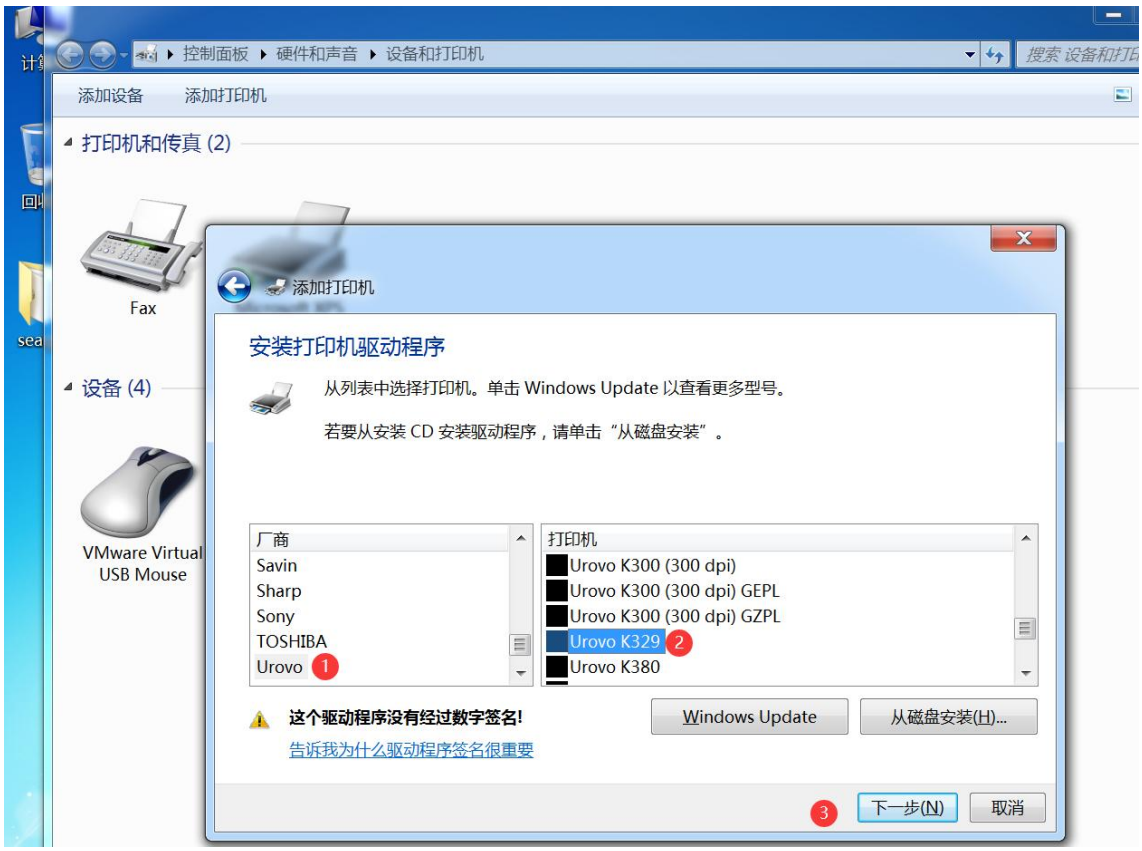
As shown in the image:

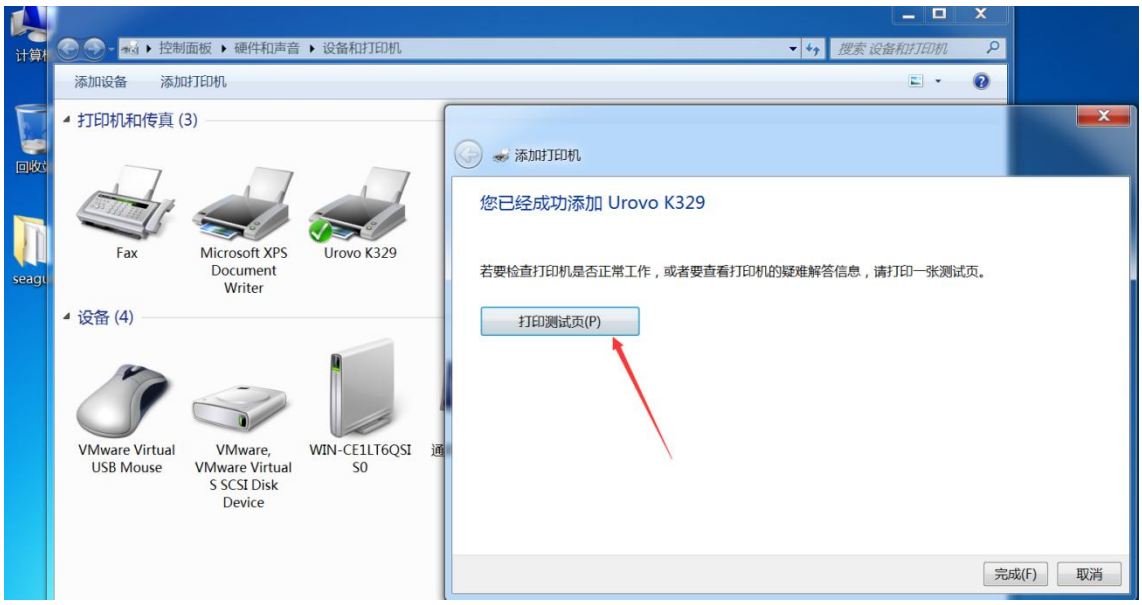



添加打印机
要安装什么类型的打印机?
添加本地打印机(L)
仅当没有 USB 打印机时使用此选项。(插入 USB 打印机后，Windows 会自动安装。)
添加网络、无线或 Bluetooth 打印机(W)
确保您的计算机已连接到网络，或者您的 Bluetooth 或无线打印机已启用。
下一步(N)
取消


计算机
回收站
Urovo 2022.3
Seagull
添加打印机
选择打印机端口
打印机端口是一种允许您的计算机与打印机交换信息的连接类型。
使用现有的端口(U):
USB001 (USB 虚拟打印机端口)
创建新端口(C):
端口类型:
LPT1: (打印机端口)
LPT2: (打印机端口)
LPT3: (打印机端口)
COM1: (串行端口)
COM2: (串行端口)
COM3: (串行端口)
COM4: (串行端口)
FILE: (打印到文件)
USB001 (USB 虚拟打印机端口)
XPSPort: (本地端口)
选择USB端口，此端口需要电脑连接打印机后才会出现
下一步(N)
取消
6 个对象


查找文件
查找范围(I): 2022.2
名称
修改日期
类型
Common
Win32
x64
Urovo
2023/3/15 9:59
2022/6/29 20:43
文件夹
安装信息
文件名(N):
文件类型(T):
打开(O)
取消
3 选择驱动安装包文件
添加打印机
安装打印机驱动程序
从列表中选择打印机。单击 Windows Update 以查看更多型号。
若要从安装 CD 安装驱动程序，请单击“从磁盘安装”。
厂商
Brother
Canon
Epson
Fuji Xerox
Generic
打印机
Brother DCP-116C
Brother DCP-117C
Brother DCP-128C
Brother DCP-129C
Brother DCP-130C
Windows Update
从磁盘安装(H)...
告诉我为什么驱动程序签名很重要
1 选择从磁盘
从磁盘安装
确定
取消
选择浏览
2
下一步(N)
取消


控制面板 ▸ 硬件和声音 ▸ 设备和打印机
添加设备
添加打印机
打印机和传真 (2)
Fax
设备 (4)
VMware Virtual USB Mouse
添加打印机
安装打印机驱动程序
从列表中选择打印机。单击 Windows Update 以查看更多型号。
若要从安装 CD 安装驱动程序，请单击“从磁盘安装”。
厂商
Savin
Sharp
Sony
TOSHIBA
Urovo 1
打印机
Urovo K300 (300 dpi)
Urovo K300 (300 dpi) GEPL
Urovo K300 (300 dpi) GZPL
Urovo K329 2
Urovo K380
这个驱动程序没有经过数字签名!
告诉我为什么驱动程序签名很重要
Windows Update
从磁盘安装(H)...
3
下一步(N)
取消


控制面板 ▸ 硬件和声音 ▸ 设备和打印机
搜索 设备和打印机
添加设备
添加打印机
打印机和传真 (3)
Fax
Microsoft XPS Document Writer
Urovo K329
设备 (4)
VMware Virtual USB Mouse
VMware, VMware Virtual S SCSI Disk Device
WIN-CE1LT6QSI S0
添加打印机
您已经成功添加 Urovo K329
若要检查打印机是否正常工作，或者要查看打印机的疑难解答信息，请打印一张测试页。
打印测试页(P)
完成(F)
取消

5.2 Test Page Printing

Open: Devices and Printers - Select the printer - Right-click on "Printer Properties" - Choose "General" - "Print Test Page"



5.3 Self-Test page

Method 1:

1. Turn on the printer power.
2. Make sure the printer is loaded with paper and close the printer cover.
3. Long press the paper feed button to select "Print Self-Test Page". (Refer to the image)

Method 2:

Devices and Printers - Select the printer - Right-click on "Printer Properties" - Choose "Tools" - "Operations" - "Send Printer Command" - Input "SELFTEST" and Enter- "Send" (This command is only for printers that support TSPL instruction set).



5.4 Driver Notes (Refer to the worksheet below)

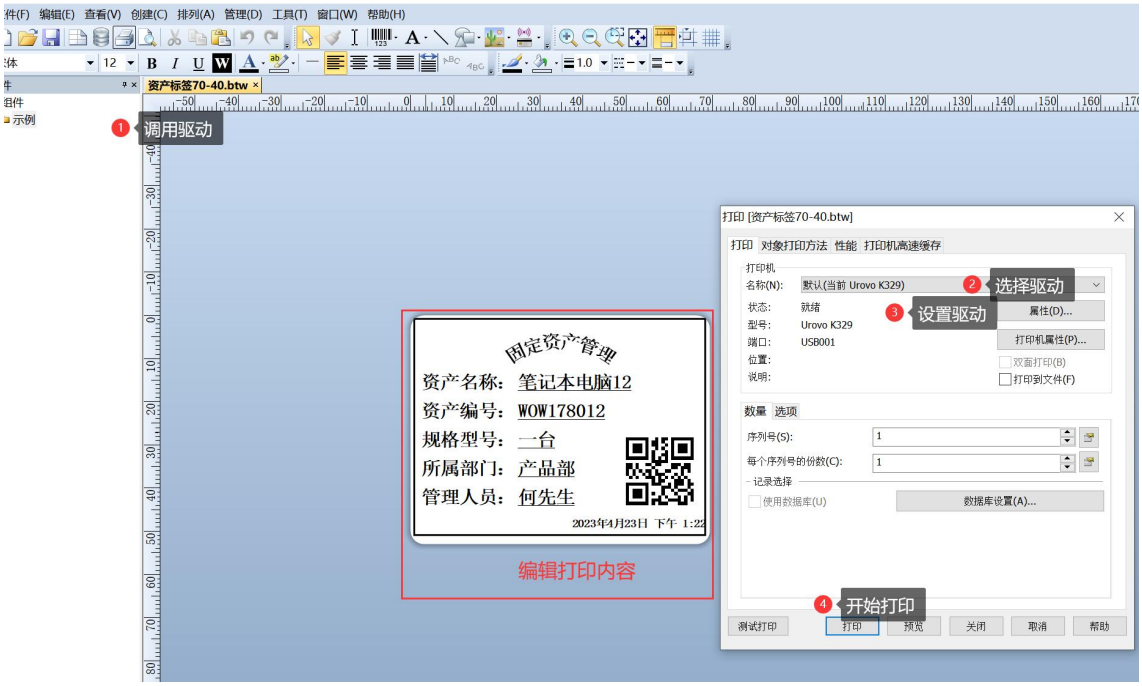
- Access the Control Panel, then go to Settings and Printers.
- Right-click on the printer driver, select Printer Properties, then click on "Preferences" under the "General" tab.
- (For specific settings, refer to the "Barcode Printer Driver Settings Tutorial - K329".)



条码机驱动设置教程 –K329.xlsx

5.5 Bartender printing

- Environment: Windows 7 to Windows 11
- Interface: Interface supported by the printer and computer
- Usage: Driver

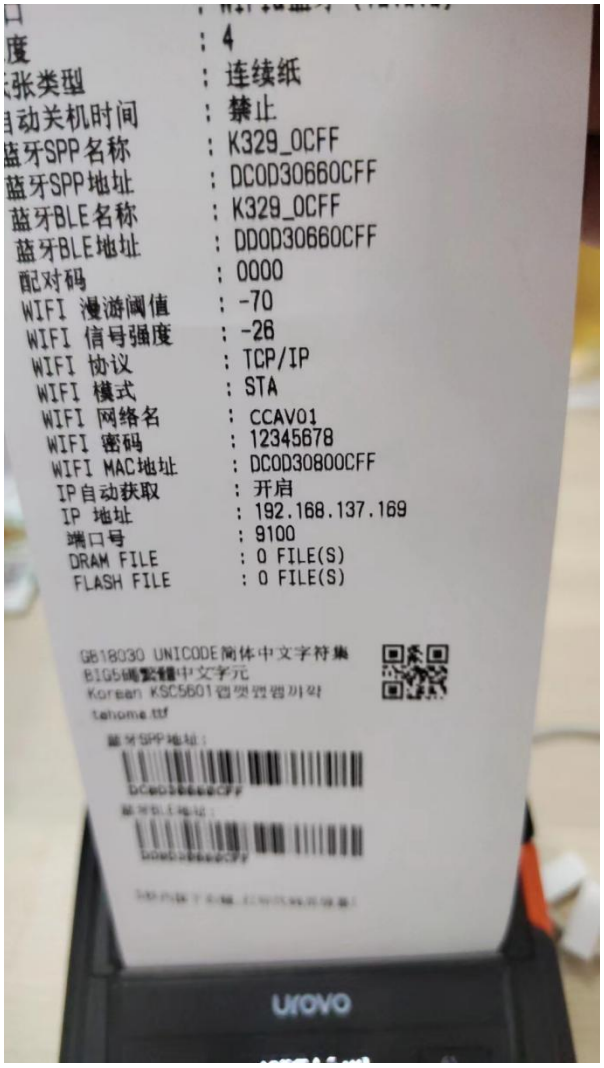


5.6 Uprinter Printing

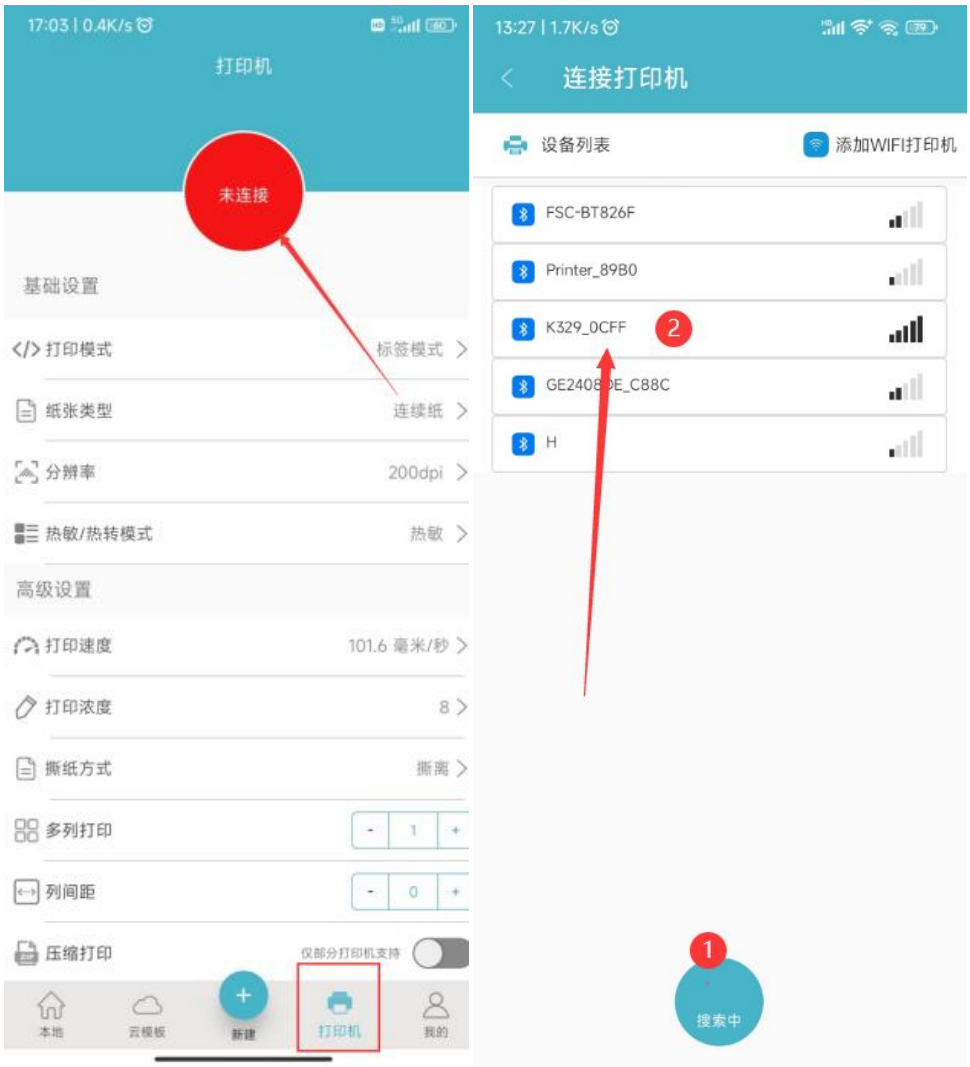
- - System：Android phone is used as an example

① Bluetooth Connection





- Using an Android phone, enable Bluetooth and location information.
- Print a self-test page using the printer or view it from the LED window.



- Select the printer and click on "Not Connected".
- Click on the search button.
- Select the Bluetooth name displayed on the self-test page of the printer.



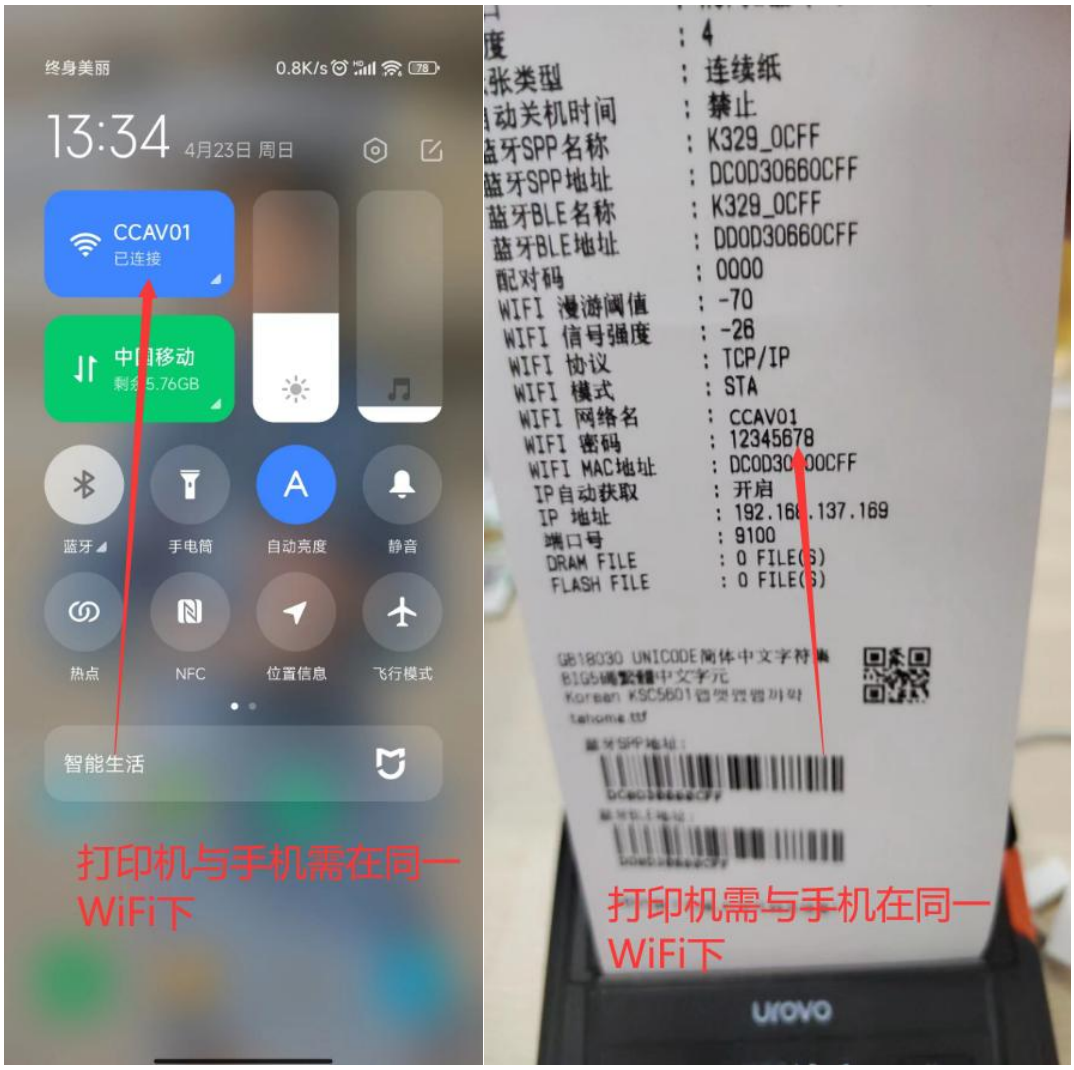
1.Shows connected after successful connection

2.Shows Bluetooth on the left (if WiFi connection will show WiFi)

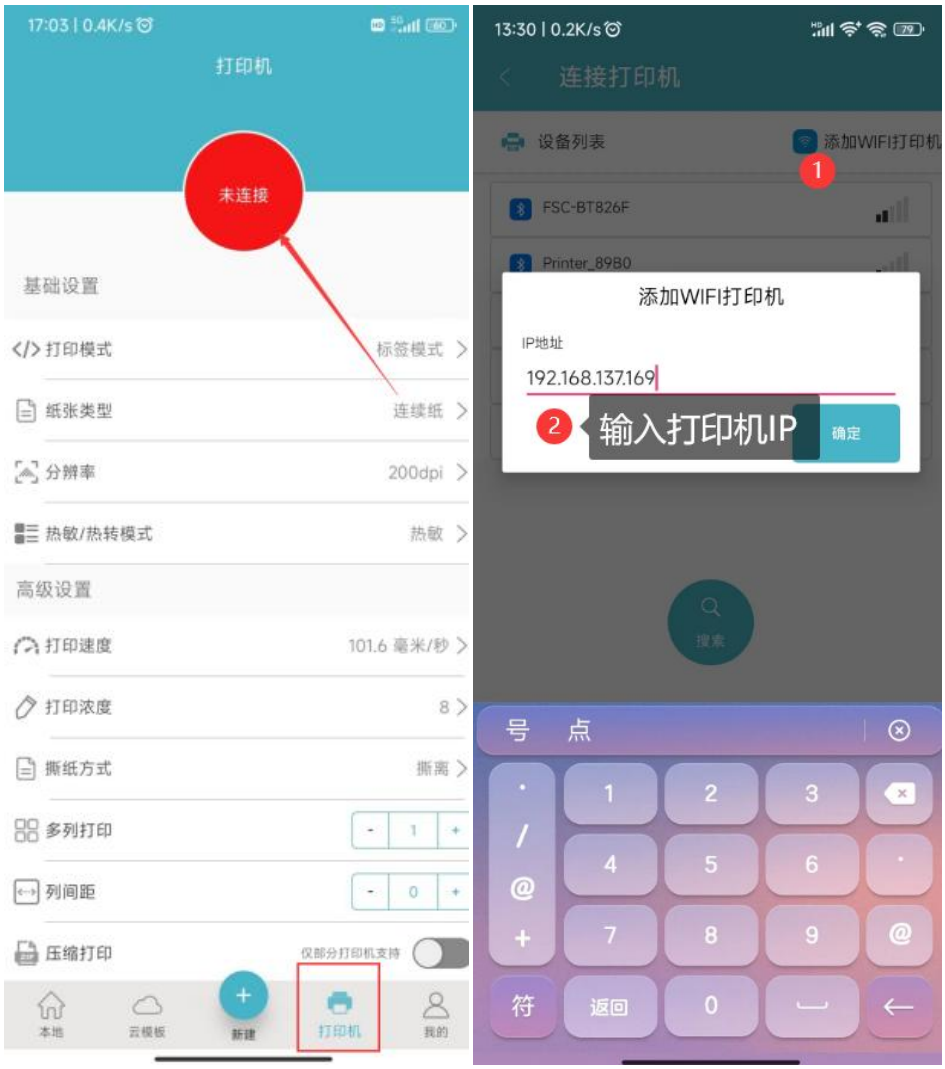
3.This page to set the printer and consumables parameters

4.Edit the template printing.

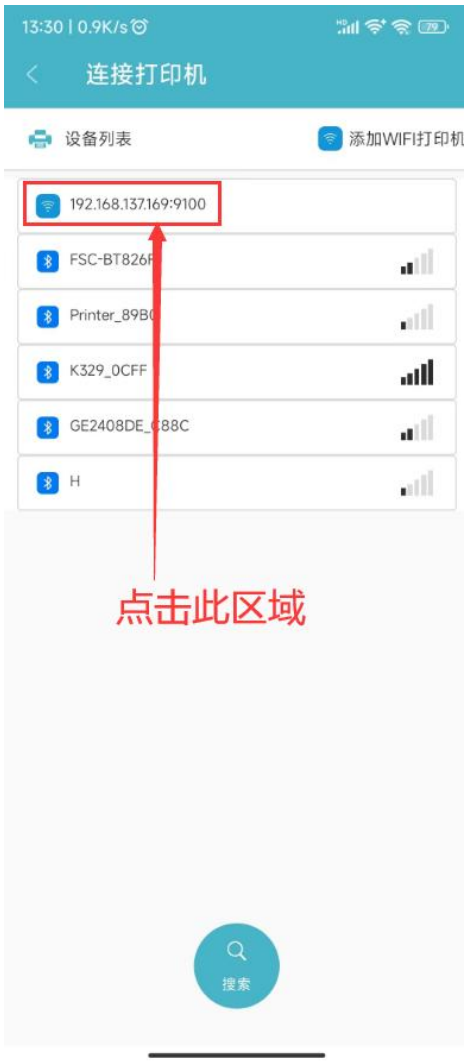
② WiFi Connection



The phone connects to WiFi (needs to be on the same 2.4GHz network as the printer).
The printer connects to WiFi (needs to be on the same 2.4GHz network as the phone).



- Click on the printer option.
- Click on "Not Connected".
- Click on "Add WiFi Printer" in the top right corner.
- Enter the IP address of the printer from the self-test page and click "Confirm".







1. Click on the WiFi that has just been set up.

2. The printer displays "Connected" indicating successful connection, and WiFi connection is shown on the left.
3. You can use this page to set printer and consumable parameters.
4. Now you can proceed with editing and printing templates.

Note: Only one of the above two methods of connection is necessary for communicating with the printer.

5.7 Use of Testing tools

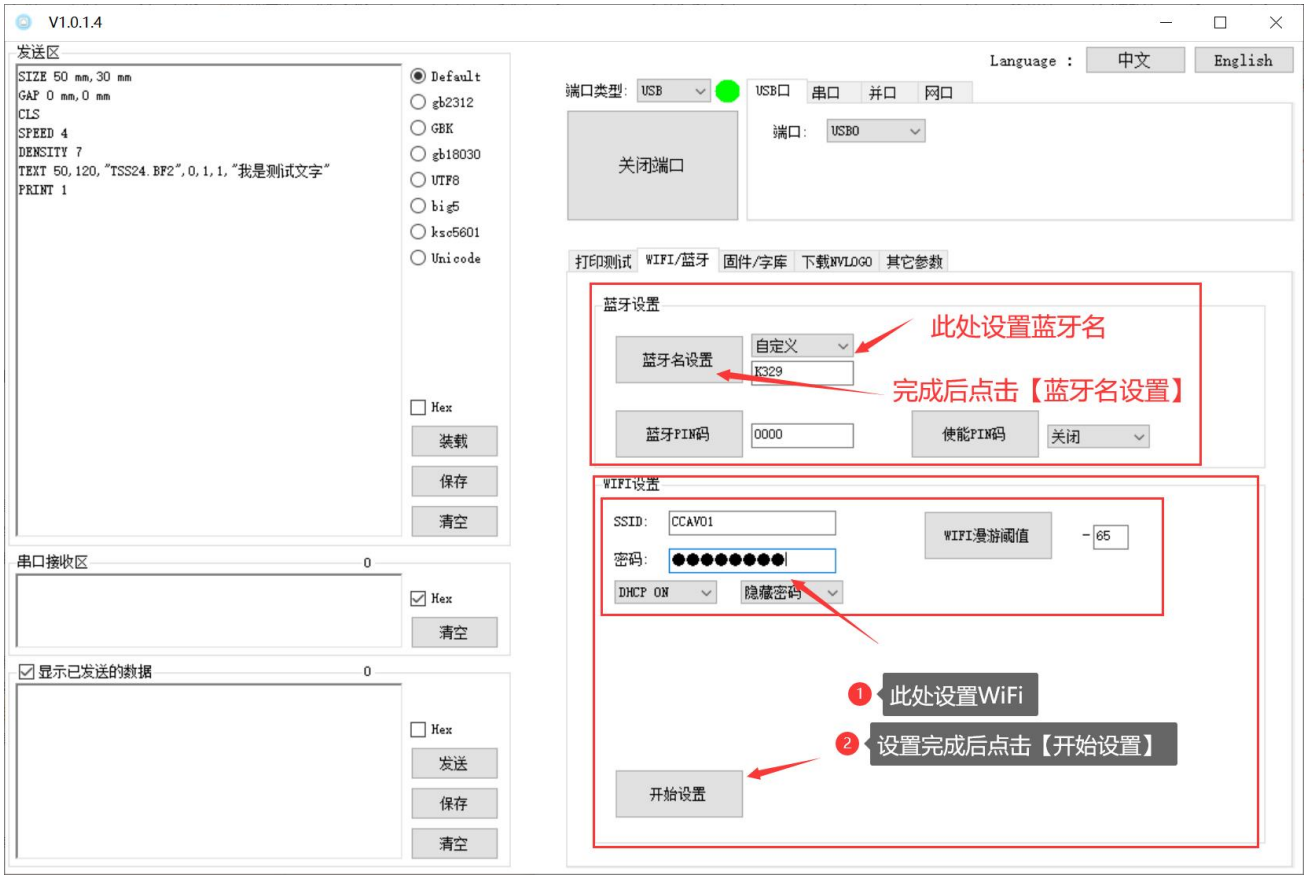
PrinterAllPortTool

PrinterAllPortTo
ol V1.0.1.4.zip

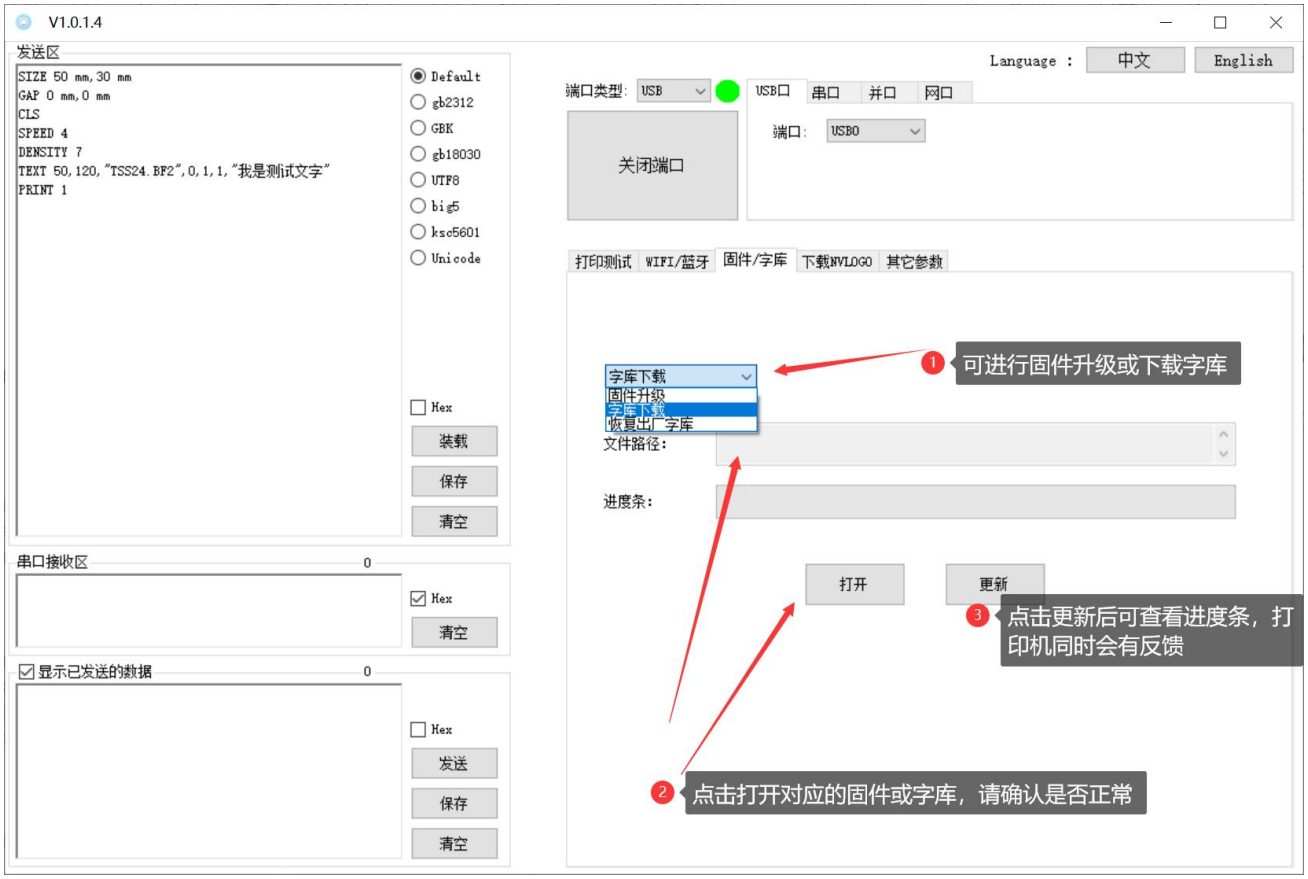
① Communication type：



② WiFi / Bluetooth setting



③ Update the firmware and Download the fonts type



5.8 WiFi Matching Tool Usage

K329 printer has Bluetooth version, Bluetooth WiFi version, Bluetooth WiFi version need to first configure the printer's WiFi parameters, DHCP, IP address, port number, can be configured through the WeChat applet, mobile APP, in addition to the above serial port tool configuration, but also through the form of WeChat applet or app distribution network, please refer to the following documents for specific configuration methods:

K329WIFI设置教程（小程序&APP)

FeasyWiFi.apk

VI. Printer maintenance

Preventive maintenance

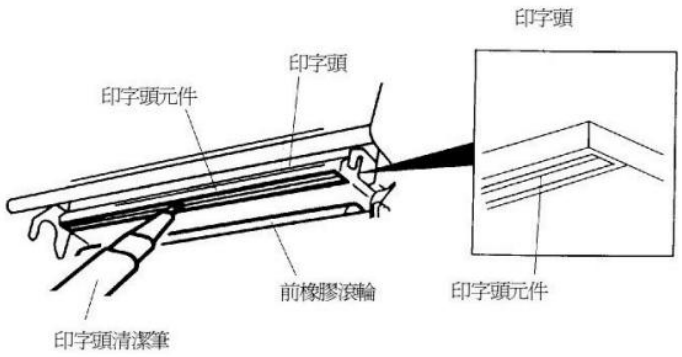
Extended battery life

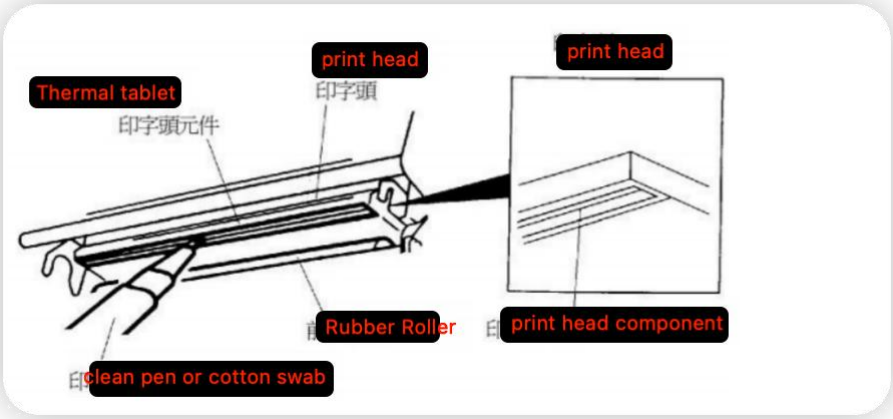
- Do not expose the battery to direct sunlight or temperatures above 40 degrees Celsius.
- Always use the original charger. Using other chargers may damage the battery.
- If the printer is not used for a long period of time and maintenance charging is not performed, remove the battery and store it in a safe place;
- Consider purchasing a spare battery;
- The life of any battery decreases with time and the number of times it is charged and discharged.

Regular Cleaning

Print head cleaning

Because the working principle of the thermal type machine is to heat through the print head so that a layer of chemical substances on the thermal paper heat black printing and color layer is composed of adhesive, color rendering agent, colorless dyes (or cryptochrome dyes), not through the microcapsule to be separated, in the long term under the use of the print head because of the residual chemical substances so as to pay the sticking to the thermal pads (print head) on the long term not to clean up the impact of the printing effect and the life of the print head, it is recommended that one week to clean up once!

清洁部分	步骤
印字头	1. 请将打印机电源关闭 2. 让印字头冷却至少一分钟 3. 用棉花棒沾取 100%工业酒精擦拭印字头表面
	
橡胶滚轮	1. 请将打印机电源关闭 2. 一边转动橡胶滚轮，一边仔细的用棉布或棉花棒沾取 100%工业酒精擦拭
撕纸片 **剥纸片**	使用棉布沾取 100%工业酒精擦拭
传感器	使用气刷或吸尘器将传感器上的灰尘清除
机器外部	使用湿棉布擦拭
机器内部	使用气刷或吸尘器将机器内的灰尘清除

Parts	Steps
Print head	1. Turn the printer off; 2. Let the print head cool down for 1 minute; 3. Wipe the surface of the print head with a cotton swab dipped in 100% industrial alcohol.åå
	
Rubber Roller	1. Turn the printer off; 2. Turn the rubber rollers while carefully wiping the
Tear paper cutter	Use a cleaning pen or cotton swab to wipe away adhesions

Sensor	Use an air brush or vacuum cleaner to remove dust from the sensor.
External	Clean with a damp cotton cloth
Internal	Remove dust from the inside of the machine using an air brush or vacuum cleaner

Routine Cleaning Instructions

Precautions:

1. Do not attempt to insert any sharp objects into the printer, and be sure to turn off the power before performing any cleaning operations;

2. Care must be taken when approaching the position of the tear-off knife to avoid scratches.

3. After printing for a long period of time, the print head will become unusually hot and should be allowed to cool before attempting any cleaning operations.

4. The print head can be cleaned with a print head cleaning pen or a cotton swab dipped in 90% pure alcohol.

Cleaning instructions for different parts;

5. Never use cleaning agents directly on the printer and never sludge the printer anywhere or allow cleaning agents to penetrate the internal circuitry of the printer.

部位	清洁方法	时间间隔
打印头		
打印辊轴表面		
撕纸刀		
打印机外壳		
打印机内部		

Environmental requirements

- Do not put the equipment in the humid, there is water or excessive fumes of the place
- In the humid environment will be easy to cause the oxidation of electronic components from into affect the life of the equipment.
- In the place where there is too much water, it will cause the electronic components to be short-circuited and burned out because of the intrusion of the water.
- In the place of too much oil smoke, because the oil smoke long-term adhesion of the motherboard, resulting in corrosion of the motherboard.

Touch-prohibited

- In the process of using the printer, do not use your hands to actively touch the print

head to avoid static electricity damage to the printer!

- Because the impact of static electricity on the printer is huge, the human body can produce 15KV of high-voltage static electricity, static electricity is easy to interfere with electronic circuits, resulting in transient changes in potential; electrostatic discharge can cause electronic equipment failures, breakdown of integrated circuits and precision electronic components, resulting in component aging

Frequently Asked Questions and Solutions

Blank printouts

Please check whether the thermal printing paper roll is used, and then check whether the paper roll is placed upside down.

Printing content is blurred

Please check whether the thermal sheet is dirty, if it is dirty, please use a cotton swab dipped in anhydrous alcohol to wipe it clean; replace the thermal paper with guaranteed quality to avoid unclear printing caused by paper quality.

Print a few reports gap error

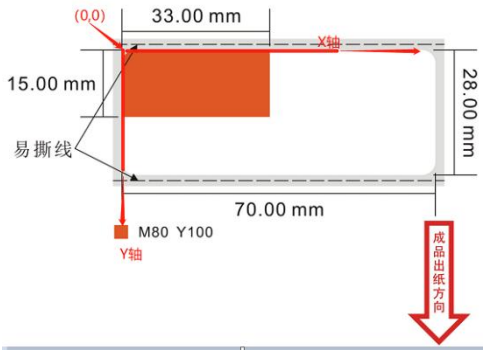
It may be that the user uses the printing APP to set the gap paper, but the printer is loaded with continuous paper, resulting in a gap error when printing, set the paper type and the actual paper roll can be the same.

Sending print command but no action

If you are using the CPCL instruction and are in the development stage, be sure to send "PRINT" followed by a carriage return ("\n")

Print Area and Size Conversion

The print area is the location of the area from the start of the print line to the very bottom of the label. Where the print size is the resolution size (pixel dots), the actual millimeter size needs to be divided by 8 to obtain (resolution 203 dpi).
The axes X, Y in the print command are shown below:



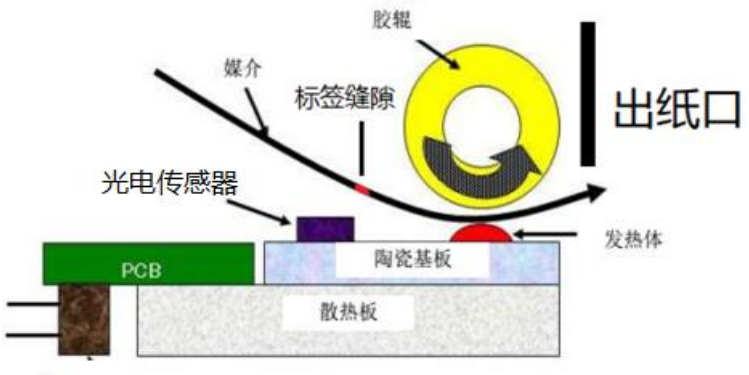
Print Area

Paper skipping and positioning problems

If there is a jump in the printing of paper or can not normally go to the label gap (black label), please long press the go button, under normal circumstances will come out of a piece of label paper (or go to the black label), if not, explain the check sensor has a problem with the return to the factory for repair.

If the above test passed, please pay attention to analyze the code in the paper size settings:

Print line and label gap detection is installed through the printer and then the location of the paper outlet photoelectric detection sensors to identify the location of the gap, so that the accurate paper to the gap or black mark. Therefore, after printing if the distance from the gap is too close, it will make the label gap over the detection sensor, resulting in more than one blank sheet of paper out or can not be positioned. So the solution is to reduce the print size by 2mm.

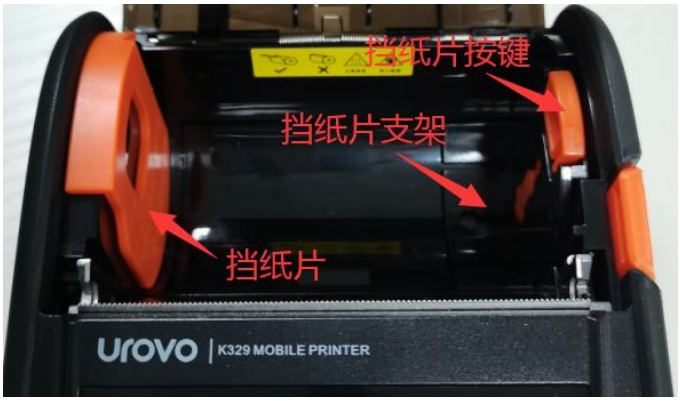


Basic Printer Components

The problem of deviation and paper jamming

Most models of printers have an adjustable structure in the paper bin, try to adjust to the right position, too tight to cause paper jams, too loose will cause the paper to run off. In addition, the paper bin capacity is also a size limit, if the paper roll is too large, it is also easy to cause paper jams.

As shown in the figure below:



Paper adjustment

Print data or print commands are printed

This may be that the command set of the printer has not been selected correctly and is not aligned with the command being sent. There are 4 modes in the printer command set, AUTO, ESC, TSPL, CPCL, please select them as required in the printer menu bar.
As shown in the figure below:



Command Troubleshooting

Prints the square symbol: “m³”

Using UTF-8 encoding

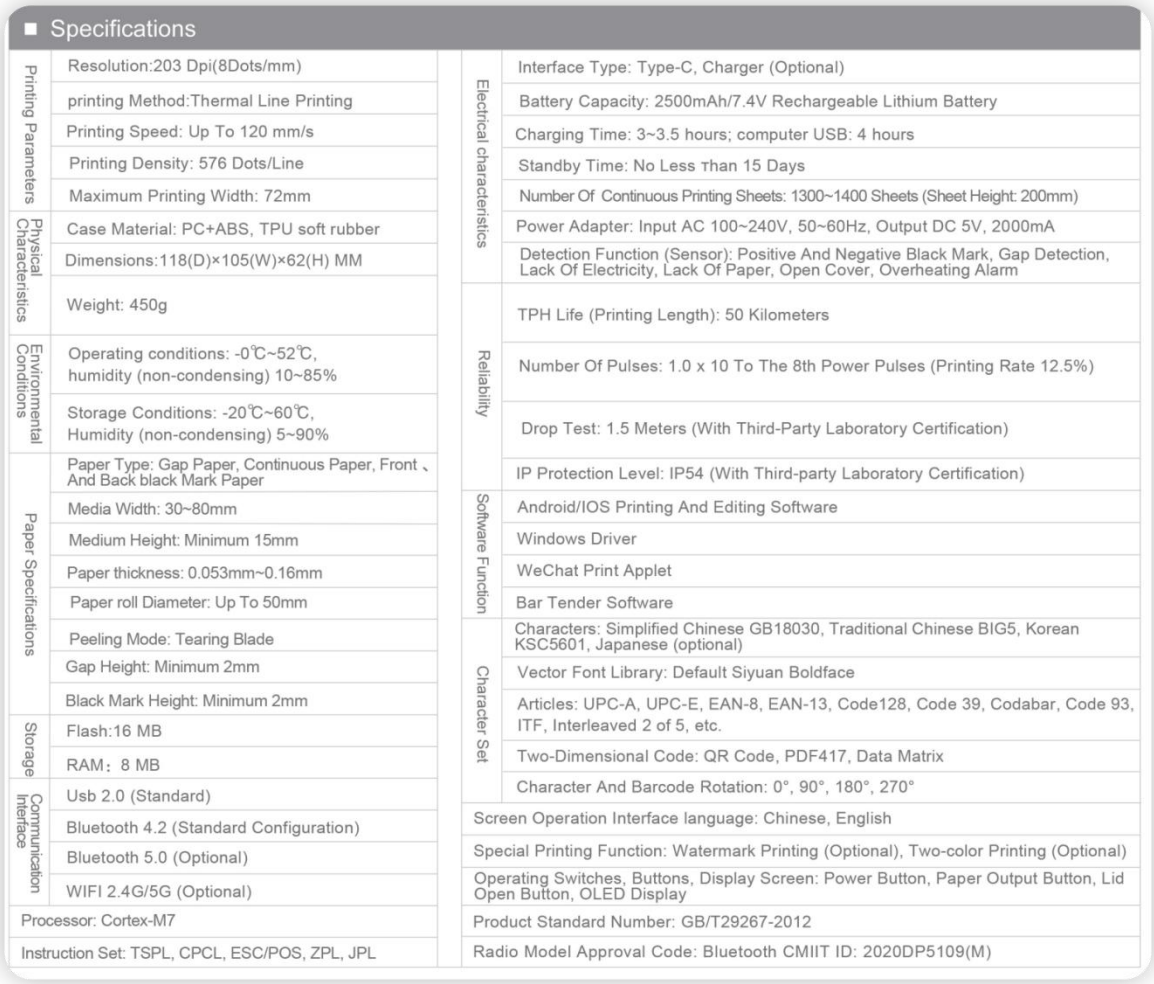
! 0 200 200 210 1
TEXT 88 20 10 20 m³
PRINT
21 20 30 20 32 30 30 20 32 30 30 20 32 31 30 20 31 0A 54 45 58 54 20 38 38 20 32 30 20 31 30 20 32 30 20 6D C2 B3 0A 0D 50 52 49 4E 54 0A 0A OD

IOS can not connect to the printer

1. is not connected to the BLE Bluetooth
2. Is not the use of software connection, with Uprinter connected to it
3. Bluetooth name to see the self-test page or printer screen is not connected to the right
4. SDK is not a restriction PIDVID and so on

Appendix

Specifications



■ Specifications

Printing Parameters	Resolution:203 Dpi(8Dots/mm)
	printing Method:Thermal Line Printing
	Printing Speed: Up To 120 mm/s
	Printing Density: 576 Dots/Line
	Maximum Printing Width: 72mm
Physical Characteristics	Case Material: PC+ABS, TPU soft rubber
	Dimensions:118(D)×105(W)×62(H) MM
	Weight: 450g
Environmental Conditions	Operating conditions: -0℃~52℃, humidity (non-condensing) 10~85%
	Storage Conditions: -20℃~60℃, Humidity (non-condensing) 5~90%
Paper Specifications	Paper Type: Gap Paper, Continuous Paper, Front 、And Back black Mark Paper
	Media Width: 30~80mm
	Medium Height: Minimum 15mm
	Paper thickness: 0.053mm~0.16mm
	Paper roll Diameter: Up To 50mm
	Peeling Mode: Tearing Blade
	Gap Height: Minimum 2mm
	Black Mark Height: Minimum 2mm
Storage	Flash:16 MB
	RAM：8 MB
Communication Interface	Usb 2.0 (Standard)
	Bluetooth 4.2 (Standard Configuration)
	Bluetooth 5.0 (Optional)
	WIFI 2.4G/5G (Optional)
Processor: Cortex-M7	
Instruction Set: TSPL, CPCL, ESC/POS, ZPL, JPL	

Electrical characteristics	Interface Type: Type-C, Charger (Optional)
	Battery Capacity: 2500mAh/7.4V Rechargeable Lithium Battery
	Charging Time: 3~3.5 hours; computer USB: 4 hours
	Standby Time: No Less than 15 Days
	Number Of Continuous Printing Sheets: 1300~1400 Sheets (Sheet Height: 200mm)
	Power Adapter: Input AC 100~240V, 50~60Hz, Output DC 5V, 2000mA
	Detection Function (Sensor): Positive And Negative Black Mark, Gap Detection, Lack Of Electricity, Lack Of Paper, Open Cover, Overheating Alarm
Reliability	TPH Life (Printing Length): 50 Kilometers
	Number Of Pulses: 1.0 x 10 To The 8th Power Pulses (Printing Rate 12.5%)
	Drop Test: 1.5 Meters (With Third-Party Laboratory Certification)
	IP Protection Level: IP54 (With Third-party Laboratory Certification)
Software Function	Android/IOS Printing And Editing Software
	Windows Driver
	WeChat Print Applet
	Bar Tender Software
Character Set	Characters: Simplified Chinese GB18030, Traditional Chinese BIG5, Korean KSC5601, Japanese (optional)
	Vector Font Library: Default Siyuan Boldface
	Articles: UPC-A, UPC-E, EAN-8, EAN-13, Code128, Code 39, Codabar, Code 93, ITF, Interleaved 2 of 5, etc.
	Two-Dimensional Code: QR Code, PDF417, Data Matrix
	Character And Barcode Rotation: 0°, 90°, 180°, 270°
Screen Operation Interface language: Chinese, English	
Special Printing Function: Watermark Printing (Optional), Two-color Printing (Optional)	
Operating Switches, Buttons, Display Screen: Power Button, Paper Output Button, Lid Open Button, OLED Display	
Product Standard Number: GB/T29267-2012	
Radio Model Approval Code: Bluetooth CMIIT ID: 2020DP5109(M)	

UROVO TECHNOLOGY CO., LTD. (Stock Code: 300531.SZ)
36F,High-Tech Zone Union Tower,No.63,,Nanshan District,Shenzhen,Guangdong,China
400-888-6989 CN:http://www.urovo.com EN: http://en.urovo.com.