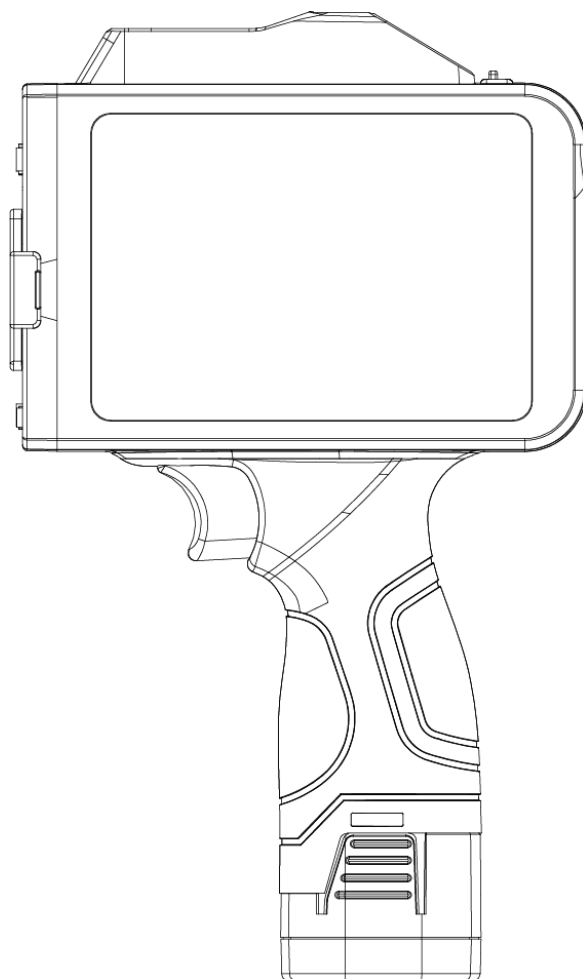


M9 Handheld Inkjet Printer

User Manual



V1.0

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Version log

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Contents

Chapter 1 Introduction	1
1.1, inkjet printer	1
1.2 Spraying machine parameters	1
Chapter 2 Safety Information	2
2.1 Introduction	2
2.2 General safety guidelines	2
2.3 Usage specification	2
2.3.1 Emergency treatment plan	3
2.3.2 Product Warranty	3
Chapter 3 Main components	4
3.1 Main components of the marking machine	4
3.1.1 Power switch	4
3.1.2 Interface	4
Chapter 4 Operation	5
4.1 How to open the inkjet printer	5
4.2 Introduction to user interface	5
4.3 How to select jobs for printing	7
4.4 Faults and warnings	8
4.5 How to start printing	8
4.6 How to stop printing	8
4.7 How to turn off the inkjet printer	8
Chapter 5 The Job Editor	9
5.1 How to create a new print file	9
5.1.1 Use the "New File" function	9
5.1.2 Use the "Load File" function	10
5.2 How to edit and print information	11
5.2.1 Text editing	13
5.2.2 Time editing	13
5.2.3 Serial number editing	14
5.2.4 Image editing	15
5.2.5 Barcode editing	15
5.2.6 Shift code editing	17
5.3 How to edit external variable data	18
5.3.1 U disk data	18
5.3.2, scanner module	19
5.4 How to edit internal variable data	20
5.5 How to edit a saved print file	21
5.5.1 Use the "Load File" function	21
5.5.2 Click the "Edit" button on the main interface	22
5.6 How to delete/copy files	23
Chapter 6 User Interface	25
6.1 Print Settings	25
6.1.1 Print parameters	25
6.1.2 Nozzle setting	26
6.1.3 Printing mode	26
6.2 Settings	28
6.2.1 Configuration management	28
6.2.2, Custom date	29
6.2.3 System language	29
6.3 Counter Settings	30
6.3.1, decreasing counter	31
Appendix 1	32
Case: Edit the custom time display.	33

Chapter 1 Introduction

1.1 Inkjet printer

As shown in Figure 1-1, the M9 thermal foaming industrial inkjet printer is designed for intelligent and high-definition coding of products and packaging across various industries. It is user-friendly and easy to integrate, ensuring clean and clear coding. This printer can print both fixed and variable information on consumer and industrial products, and it can also be operated while the device is in print mode.



Figure 1-1 M9 Handheld inkjet printer

1.2 Inkjet printer parameters

Description	Specifications
Model	M9 Handheld coding machine
Language	Arabic, Chinese, English, French, German, Greek, Italian, Korean, Persian, Portuguese, Russian, Spanish, Thai, Turkish, Hungarian, Vietnamese
Battery charger	16.8V/2A
Maximum resolution	600DPI (150 、 200 、 300 、 400 、 500 、 600)
Ink cartridge type	HP original 42mL ink cartridge
Ink cartridge color	Black, white, red, yellow, green, blue, invisible
Printing height	Up to 12.7mm
Print content	Text, image, bar code, counter, shift code, date, time, expiration date, database, POD

Print material	Paper, stone, pipe, cable, metal, plastic, wood products
Work environment	Temperature 0-45°C (20°C-30°C is best), humidity 40% ~ 60%R

Chapter 2 Safety Information

2.1 Introduction

This device is used to print information on the product. Using this device for other purposes may cause serious personal injury or product failure. The safety guidelines in this chapter are designed to explain all safety issues to the operator so that they can operate and maintain the equipment and its accessories safely and scientifically.

2.2 General safety guidelines

- Do not use other chargers without permission, otherwise it may damage the equipment or cause serious safety accidents;
- Before using the equipment, please check whether all cables are damaged, otherwise it may cause safety accidents;
- Do not expose this equipment to heat source, strong light, fire or similar environment too much;
- Do not disassemble or repair this equipment without permission. If there is any damage, it will not be covered by warranty;
- Do not unplug any accessories, cables and cartridges while powered on;
- Please avoid storing or using this equipment in a humid or dusty environment;

2.3 Usage specification

- Please use the official certified ink cartridge and the official standard charger;
- Do not unplug the cartridge with power on, otherwise it may damage the equipment or the cartridge;
- Please try to use no more than the nominal voltage and pulse width parameters of the cartridge for printing, otherwise it may shorten the service life of the cartridge;
- When the equipment is not working, please fasten the front cover in time to prevent the ink cartridge nozzle from drying and blocking;

- The printing cartridge is a precision object. If it is stuck during installation, do not force it. Adjust the position of the cartridge and insert it accordingly;
- If the ink cartridge is not printed clearly, you can use non-woven cloth to wipe the ink cartridge nozzle, do not shake the ink cartridge violently;
- When cleaning equipment, stay away from water and do not use chemical solvents to clean.

2.3.1 Emergency response plan

In case of emergency such as smoke, continuous printing that cannot be controlled, fire, explosion sound, etc., please immediately disconnect the power supply and turn off the equipment!

2.3.2 Warranty

Quality assurance: within 12 months from the date of the bill of lading, the whole machine except the ink cartridge is guaranteed. The essential guarantee does not apply to problems caused by misuse, tampering or improper use.

The following conditions are not covered by the warranty:

- Use any non-original cartridges and unapproved OEM inks.
- Do not disassemble or modify the product without approval.
- Accidents caused by natural disasters, storage or transportation conditions, etc., such as (but not limited to) drops, spraying of water or other liquids, etc.
- Damage to equipment caused by the use of unapproved, faulty or unstable power supplies.

Chapter 3 Main components

3.1 Main components of the printer

3.1.1 Power switch

The power switch is used to turn on or off the power supply of the printer. It is located on the right side of the printer.

Note: Do not immediately press the power switch to start up after shutdown. The system needs a certain time to shut down, please wait about 10s.

3.1.2 Interface

The inkjet printer is equipped with a variety of interfaces for print control and external interaction, as shown in Figure 3-1.



Figure 3-1 M9 interface diagram

Interface number	interface type	Interface usage
1&2	USB joggle	Used to access external devices such as U disks.
3	Power interface	Used to connect to the power adapter to provide power for the operation of the inkjet printer. The power adapter used in this device is 16.8V/2A.

Chapter 4 Operation

4.1 How to open the inkjet printer

1. Perform an appearance check to ensure that all connections are safe and that cable connections are correct.
2. Ensure that the main power cable is connected.
3. Press the power switch on the right side of the inkjet printer.
4. After the inkjet printer is successfully started, the screen will display the user operation interface.

4.2 Introduction to user interface

The user interface is a button-based control system with an easy-to-use touch screen and most of the display area active. All technical aspects of the inkjet printer settings and controls are done through tool buttons.

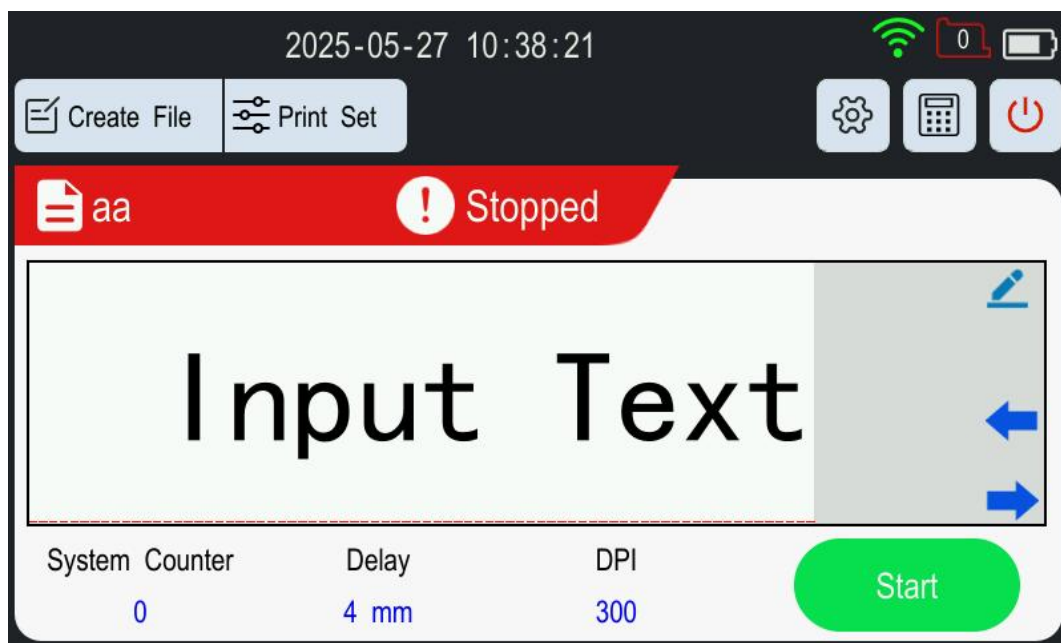

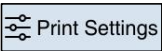





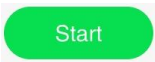





Figure 4-1 Home page interface

Button	Description
 Create File	Enter the editing interface to quickly create a new print file.
 Print Settings	Adjust all print parameters. For example: print mode, nozzle selection, print mode.
	Perform operations on saved files, such as editing, deleting, and selecting for printing.
	Set some auxiliary parameters. For example: print voltage, adjust user rights, customize date, system language, etc.
	Set the counter parameters, such as start value, step value, and current value, to reset the number of prints.
	Click this button to shut down the inkjet printer.
	Make content changes to the file currently being printed.
 	<p>1. Click this button when you are idle to verify the legitimacy of the ink cartridge. After passing the verification, enter the printing state. The button turns red and displays "Stop".</p> <p>2. Click this button during the printing process, the inkjet printer will stop printing, the button will turn green and display "Start".</p>

No.	Name	Description
1	System time	Used to display the current system time and modify the system time.
2	Electricity / ink	1. Used to display the remaining battery power. 2. Used to display the remaining ink in the cartridge currently in use.
3	status bar	Used to display the name of the current print file and the working status of the printer. 1. Idle state: no work 2. Print (working) status: In operation 3. Ink quantity reaches the alarm value: low ink quantity
4	Information preview area	Used to display information about the current print file. Dragging this area left and right allows you to view information outside the display area.
5	Parameter preview area	1. Used to display the number of times a print is currently being printed, which you can use to calculate the number of products in a job. 2. You can quickly and easily view the current important parameters, namely DPI and delay, through this area.

4.3 How to select files for printing

1. Click the button on  the main interface, select the job from the "File List", or enter the name of the required job in the search box.
2. After selecting the required job from the list, a preview of the job will be displayed on the right side of the screen. As shown in Figure 4-2.
3. Click the  button to return to the main interface. (In the printing state, select the job, directly enter the printing state, and update the printing content)

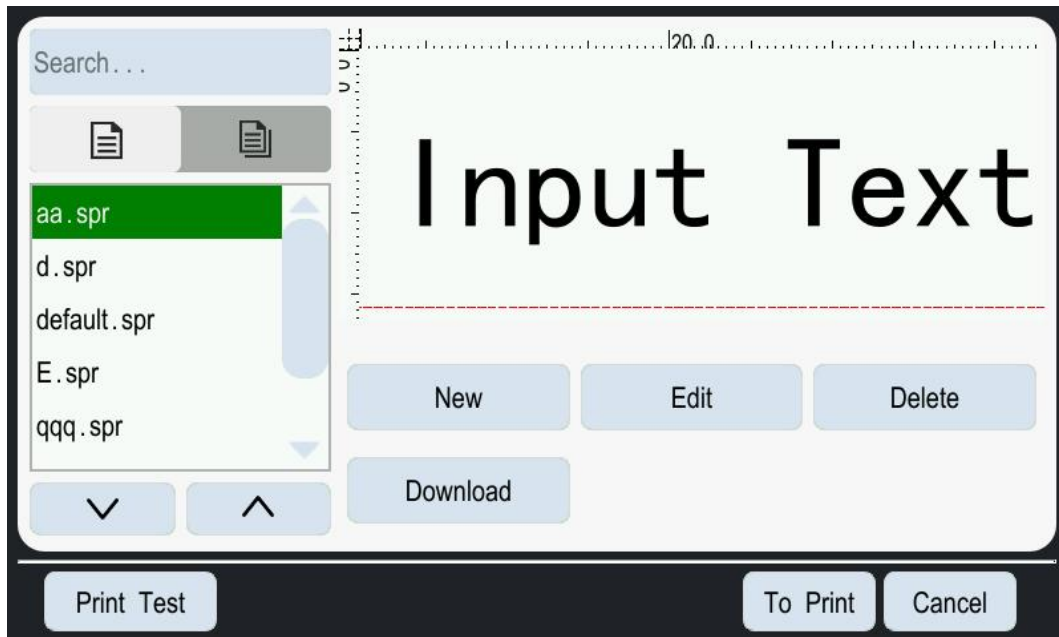




Figure 4-2 File management interface


4.4 Faults and warnings

When a fault occurs, the printer will pop up a fault message in the middle of the screen.

4.5 How to start printing

Click the  button to start the print operation.  The button will change to. You can now print your homework.

4.6 How to stop printing

Click the  button to change the status of the inkjet printer to stop printing.

4.7 How to turn off the inkjet printer

Stop printing before turning off the printer.

If the status of the inkjet printer is stopped, press the power switch on the right side of the inkjet printer directly (the inkjet printer has power off protection, and you need to wait about 10S after shutdown before you can start the next operation).

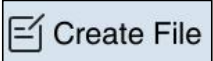
Chapter 5 Print content Editor

5.1 How to create a new print file

This chapter describes two ways to create a new print file. Here are the steps:

1. Use the "New File" function.
2. Use the Load File function.

5.1.1 Use the "New File" function

1. Click the button on  the main interface, and the system enters the file editing interface as shown in Figure 5-1. In this interface, you can input the required information according to your own requirements.

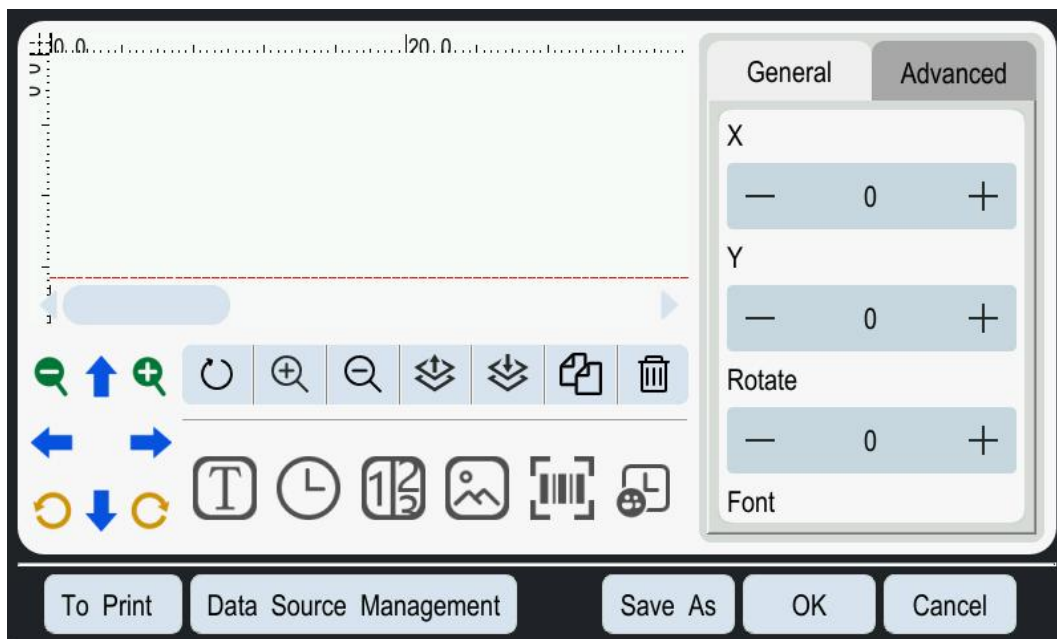

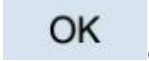
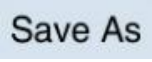


Figure 5-1 Edit file interface

2. After editing the information we need, we can select to save  the  edited  information at the bottom of the screen.
3. The system enters the file saving interface, and the file name is entered in this interface, as shown in Figure 5-2. Note that only numbers, letters and Chinese characters can be used for naming, and symbols cannot be used.

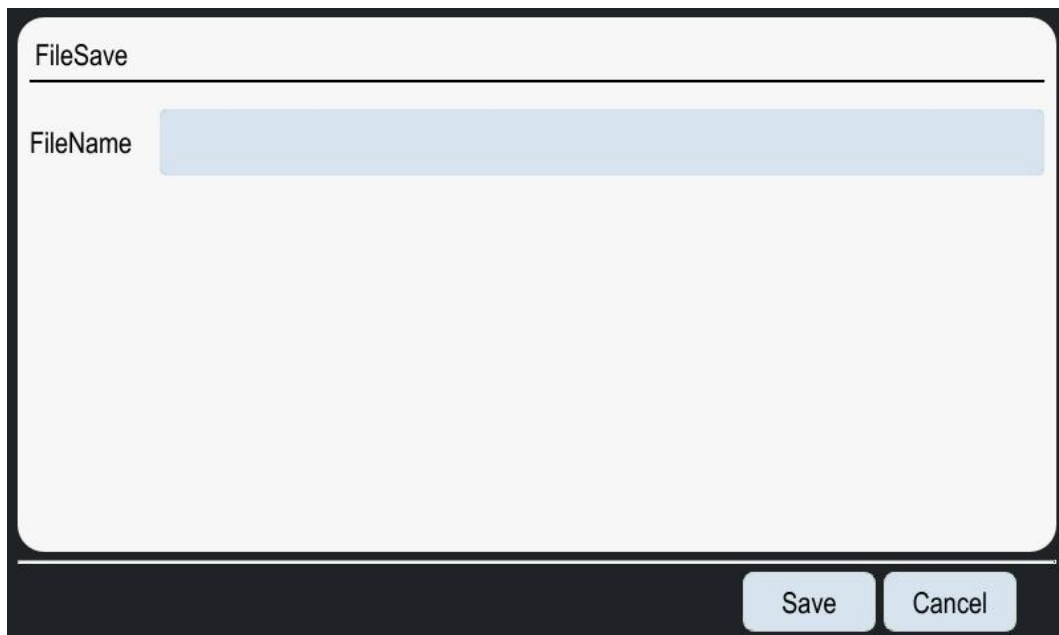



Figure 5-2 File Save interface

4. Click the **Save As** button to save successfully, and the system returns to the main interface.

pushbutton	description
To Print	After the file is saved, return to the main interface. At this time, the edited content has been updated to the main interface. If the device is in the printing state at this time, the new edited content will be updated to the next print. Note that this button is only displayed when you click the "New File" button from the main interface and enter the editing interface.
OK	The file is saved only locally and cannot be updated to the main interface for direct use.
Save As	Modify the saved print file name.

5.1.2 Use the "Load File" function

1. Click the button on  the main interface, and the system enters the file loading interface as shown in Figure 5-3.
2. Click the **New** button to enter the file editing interface. As shown in Figure 5-1, edit the content and save the file according to the operations **Save As** from item 2 to item 4 in Section 5.1.1. After clicking the button, the system returns to the file loading interface.

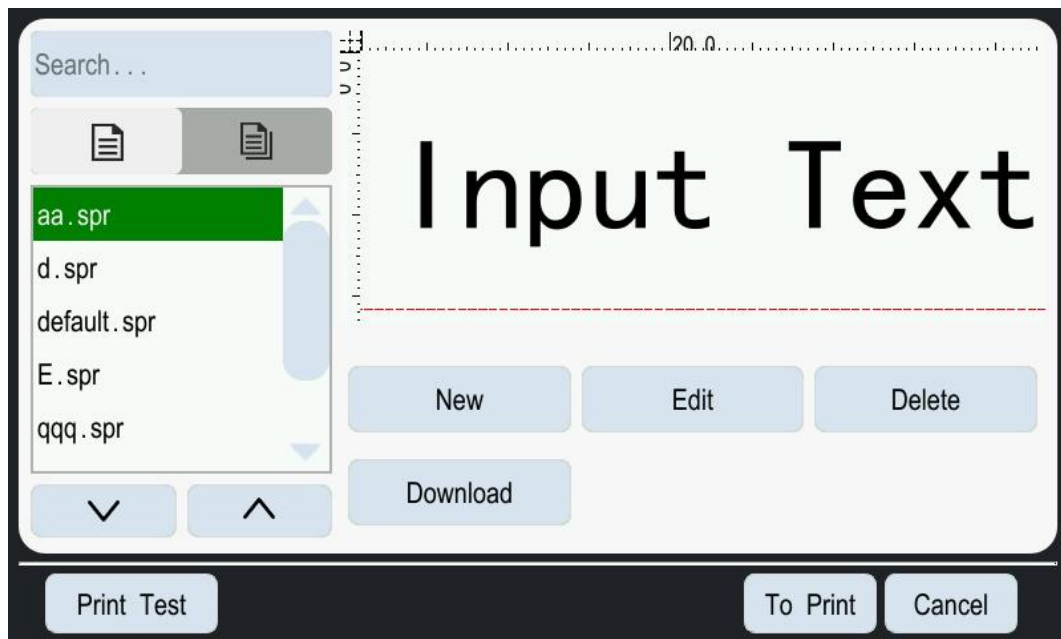


Figure 5-3 Load file interface

5.2 How to edit and print information

This chapter describes how to edit different print information, according to the two ways in Chapter 5.1, to enter the file editing interface,

As shown in Figure 5-4.

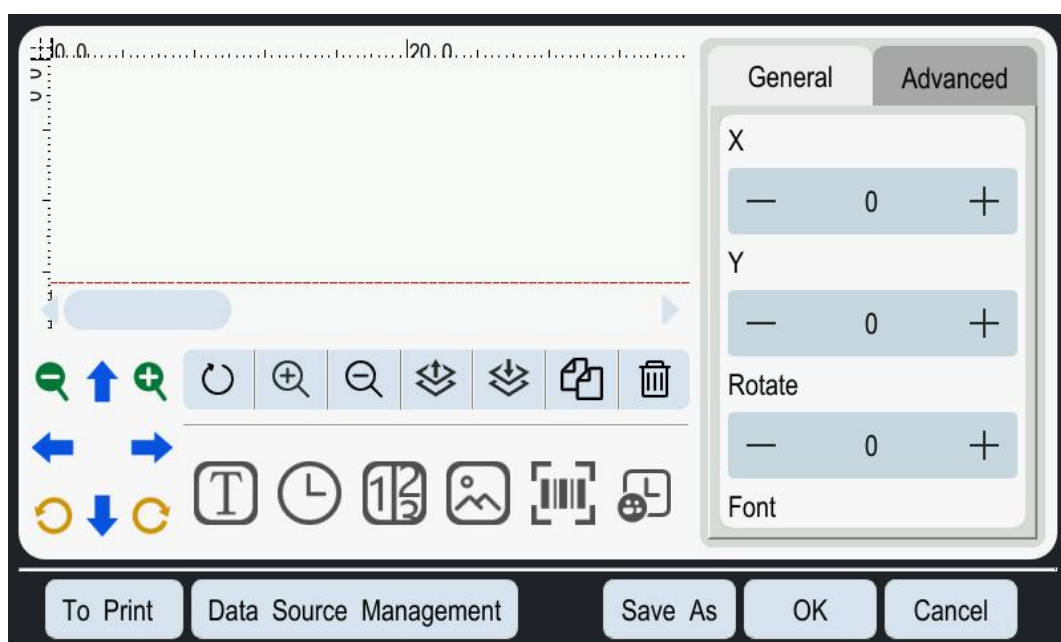















Figure 5-4 Edit file interface


1. In the file editing interface, you can edit according to your needs, which can include "text", "time", "serial number", "picture", "barcode", and "shift code".

push-button	description
	Restore the information in the editing area to its original state when it is enlarged or reduced.
	You can zoom in to view the information content in the information editing area.
	You can narrow down the information content in the viewing and editing area.
	When two pieces of information overlap, the selected information is placed at the top so that the content is visible.
	When two pieces of information overlap, the selected information is placed at the bottom and the content is invisible.
	Copy an information item with the same content and parameters as the selected one.
	You can delete the information in the information editing area.
	The font size used to adjust the information.
	Adjust the position of the information according to the direction of the arrow.
	Adjust the rotation Angle of the information according to the direction of the arrow.

2. Attributes are divided into general and advanced. The general interface sets font size, rotation and font style; the advanced interface is the unique setting of each item.

push-button	description
X	The "+" or "-" sign can be used to adjust the position of the text on the X axis.
Y	The "+" or "-" sign can be used to adjust the position of the text on the Y axis.
revolve	The + or-sign can be used to adjust the rotation Angle of the text.
form of a written or printed character	Click the font drop-down box to select and change various font styles.
body size	Adjust the size of the text with a "+" or "-" sign.
Text spacing	The distance between texts can be adjusted by pressing "+" or "-" signs.
B	Click select, and the button background color turns blue and the text is bold.
I	Click select, and the button background color turns blue and the text tilts.
_	Click select, and the button background color turns blue, and the text is underlined.
	Font horizontal zoom. By adjusting the value, you can stretch the font horizontally.
	Font vertical zoom. By adjusting the value, you can stretch the font vertically.
	Restore the scaled font to its default state.

5.2.1 Text editing

1. If you need to print Chinese characters, English, numbers, symbols  and other content, please click the button, a default text item will appear in the preview area.

Click the content box of the advanced interface and enter the required information in the keyboard that pops up. As shown in Figure 5-5.

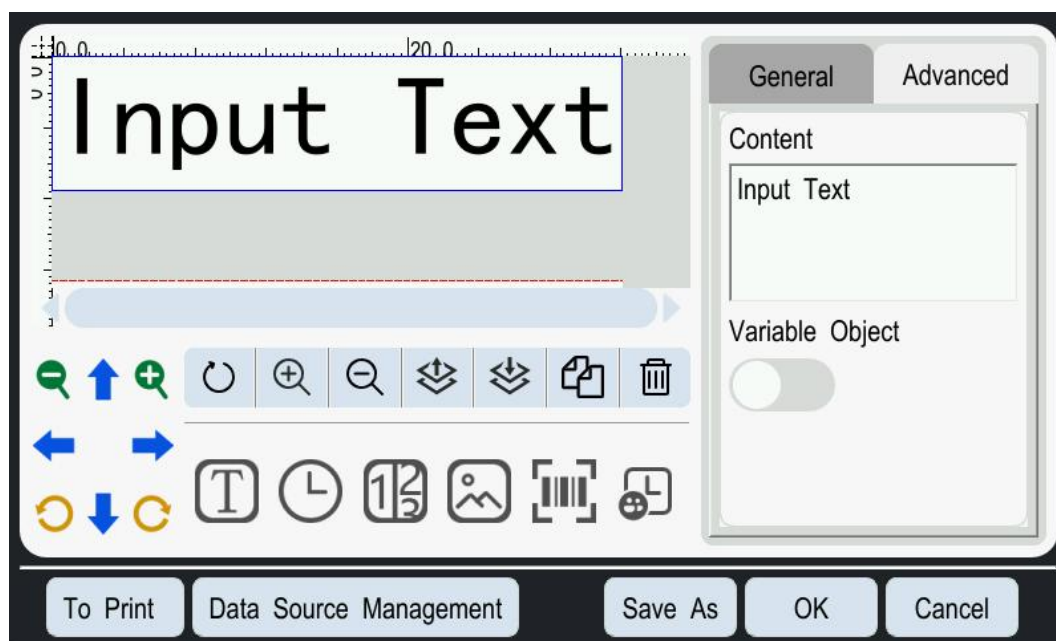



Figure 5-5 Text editing interface

2. In the universal interface, you can adjust the position, font, size and other properties of the text.

5.2.2 Time editing

1. If you need to print variable time, that is, the time in the printed information will be automatically

 updated without human intervention, please click the button, the preview area will be
A default time item is created. As shown in Figure 5-6. The variable time information is real-time
variable, and the time information is updated in real-time when printing

2. In the advanced interface, you can set the time format, effective days, etc. For custom time format, please refer to Appendix 1.

3. In the general interface, you can adjust the position of time, font, size and other properties. Time
format: You can freely combine the format through the keyboard or the shortcut keys below. Effective
days: The number of days added to the current system time.

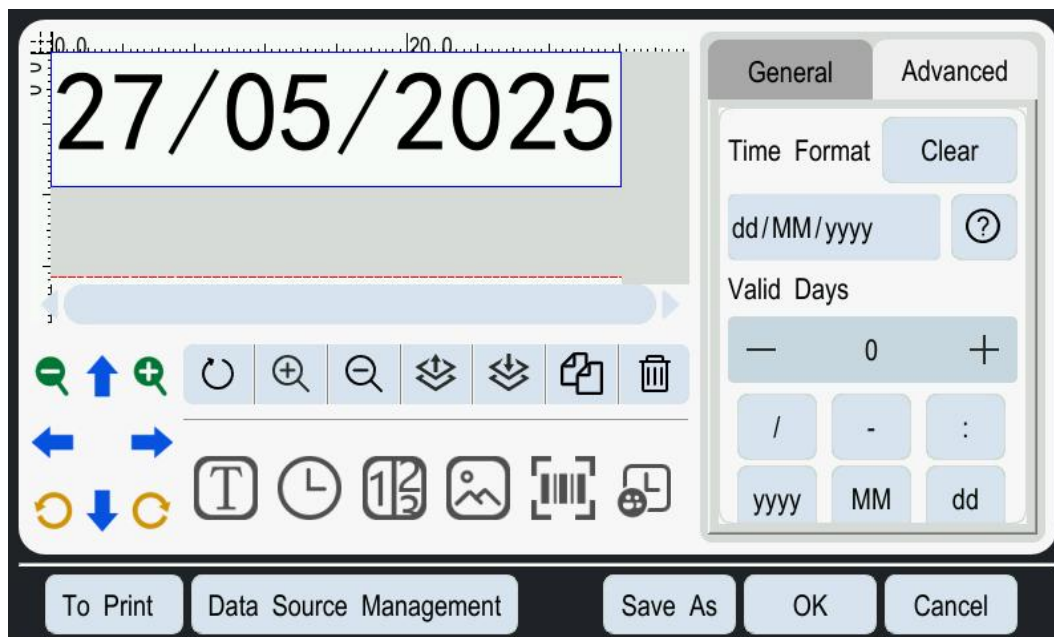



Figure 5-6 Time editing interface

5.2.3 Serial number editing

1. If you need to print the variable serial number, that is, the counting content in the printed information  will be automatically updated without human intervention. Please click the button to preview
A default serial number item will appear in the area as shown in Figure 5-7.

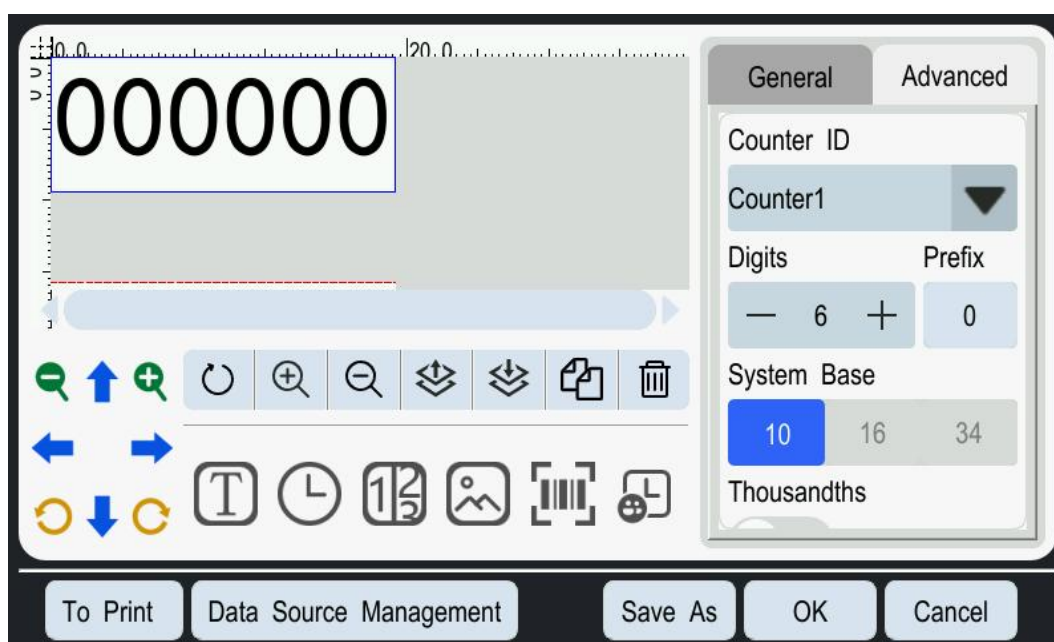



Figure 5-7 Serial number editing interface

2. In the advanced interface, you can select different fixed bit numbers. The maximum bit number is 8 (the high bit is filled with 0), and you can also select a custom prefix (if the current prefix is blank, it is equivalent to a natural number).
3. The inkjet printer system includes four counters: Counter 1, Counter 2, Counter 3, and Counter 4, listed in the "Counter ID" drop-down menu. You can set the initial value, step value, current value, end value, and repeat count for each counter through the "Counter Settings" menu.

4. In the advanced interface, select the "Thousand Separator" button to add a thousand separator to the serial number.
5. In the general interface, you can adjust the serial number's position, font, size, and other properties.

5.2.4 Image editing

1. If you want to print the image , click the button, and a default "image" image item will appear in the preview area. As shown in Figure 5-8.

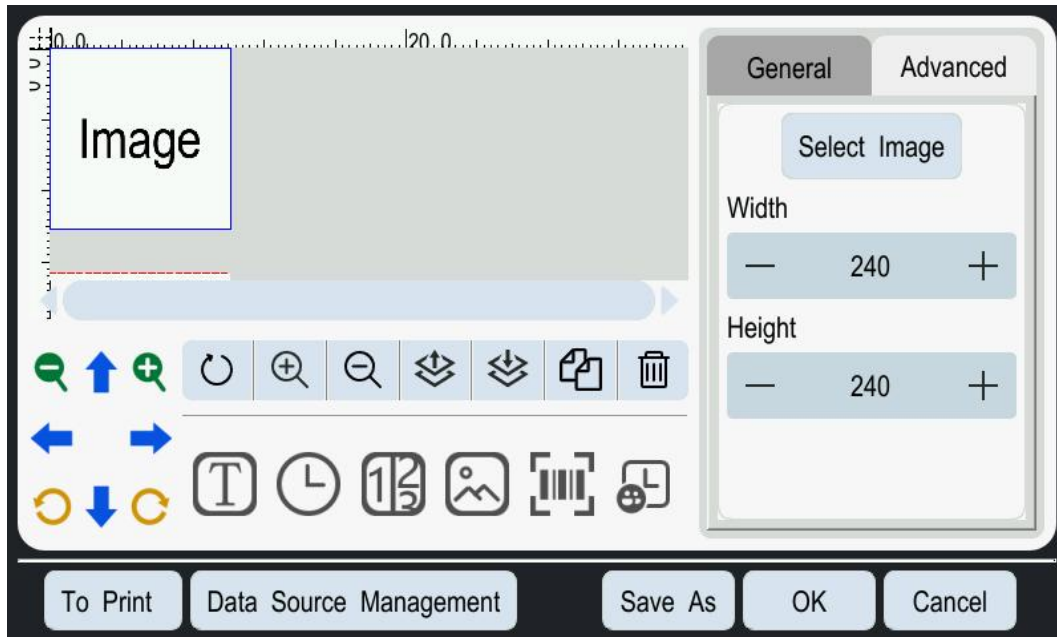
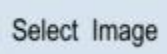



Figure 5-8 Image editing interface

2. In the advanced interface, you can  click the button, select the image file to be printed, and adjust the height and width.
3. In the general interface, you can adjust the position of the image, rotation Angle and other properties. Note that,
 1. This system supports png, jpg and bmp image formats.
 2. After editing the print file with pictures on PC, it can be directly imported into the device through U disk without importing the corresponding pictures again
 3. When selecting images, you can select images from the U disk. After saving, you can use them directly without importing the images into the device

5.2.5 Barcode editing

1. If you need to print the bar code , click the button, and a default QR code item will appear in the preview area. As shown in Figure 5-9.
2. In the advanced interface, click the content box and enter the required information in the pop-up keyboard.

Button name	description
type	Click the drop-down menu to select the type of barcode.
altitude	The height of the bar code can be adjusted by pressing "+" or "-" (only when the bar code is in effect).
magnification	The "+" or "-" sign can be used to scale the size of the bar code.
Display text	Click the button below the text to make it blue, which will display the text, or not.
data pattern	You can choose between standard mode and GS1 mode.
External data	It can be connected to external devices to print variable information, such as: U disk, scanner.
internal data	Internal variable information can be implemented by adding text, time, and serial number.

3. In the general interface, you can adjust the position, rotation Angle and other properties of the bar code.

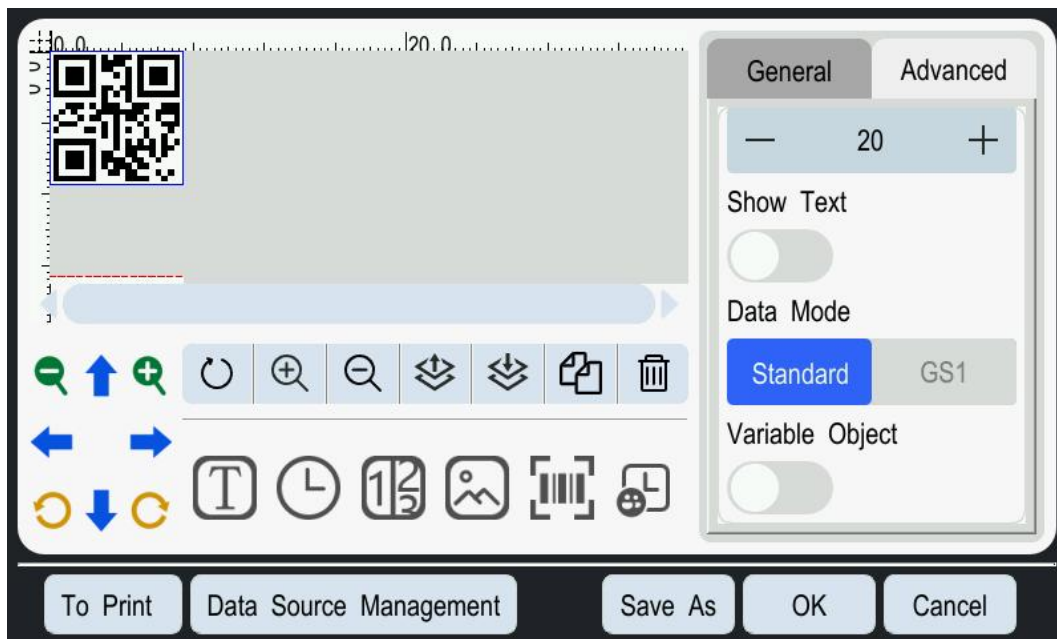








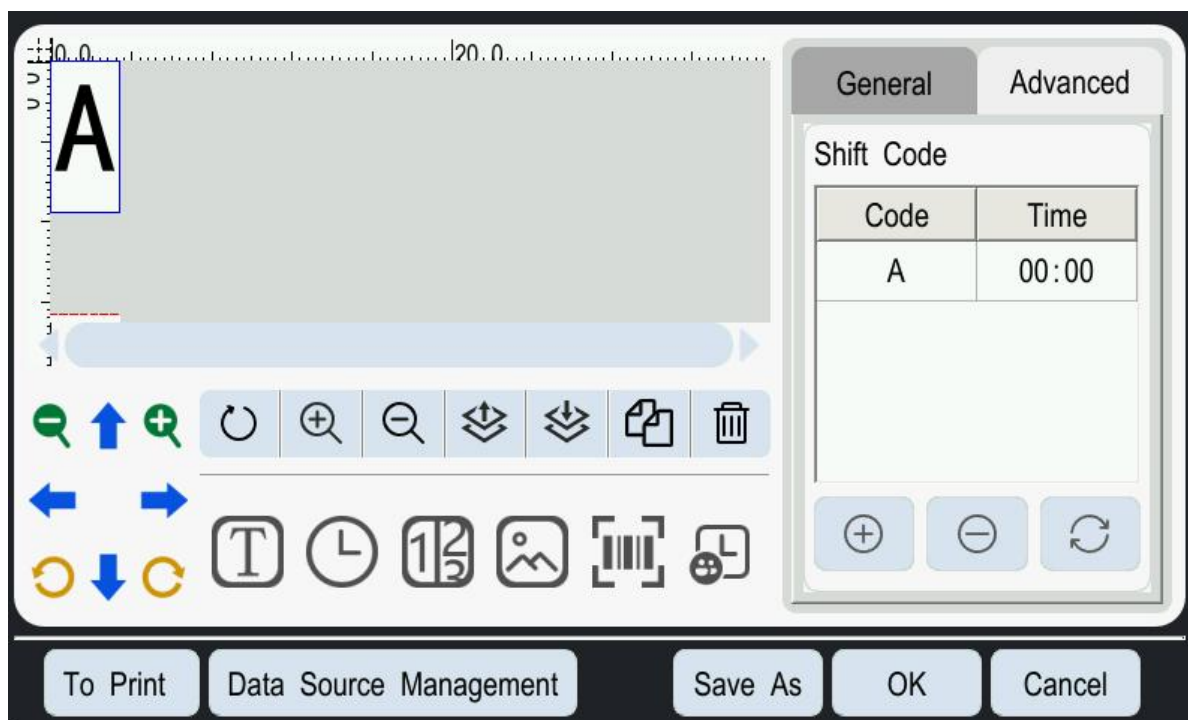
Figure 5-9 Barcode editing interface

1. It should be noted that different barcodes have their own definition specifications, if the edited content does not conform to the corresponding barcode specifications, it may lead to bar code display errors.
2. QR Code, Date Matrix and Code_128 are three kinds of barcodes that support GS1 mode, which has specific coding rules.

Barcode type	Specific functions	description	
QR a sign or object indicating number		<ol style="list-style-type: none"> 1. Adjustable spacing of text display. 2. The text can be adjusted to display on the right or below the QR code. 3. Supports displaying 5 rows of text in GS1 (UDI) mode. 	 
DM a sign or object indicating number		<ol style="list-style-type: none"> 1. Like QR codes, DM codes can also adjust the spacing and display position of text. 2. Size is optional, from 10 x 10 to 40 x 40. 3. Supports displaying 5 rows of text in GS1 (UDI) mode. 	
QR Code DM Code Code_93 Code_128 PDF417		<ol style="list-style-type: none"> 1. Text, time and serial number can be added. 2. For specific operation steps, please refer to Chapter 5.4 How to edit internal variable data 	




5.2.6 Shift code editing

1. If you need to record the rotation of each shift, that is, to automatically change to  the set content at the set time, please click the button, and the preview area will appear
A default item. See Figure 5-10.



2. In the advanced interface, click the red box and enter the content and set the time

3. In the general interface, you can adjust the position, rotation Angle, and other properties of the shift code.

push-button	description	push-button	description
	Add a line		Unselect the content
	Delete one line	time	Set the rotation time

5.3 How to edit external variable data

This chapter describes how to edit variable data information. In section 5.2, we can see that in the advanced options of the "Text" and "Barcode" property area, there is an "External Data" button. Click this button to turn it blue and use the external data function.

Click the **Data Source Management** button, and the right attribute area becomes the external data management interface. As shown in Figure 5-11, the source of variable information can be either imported data through a USB drive or real-time data scanned by a scanning module block.

File: Import TXT text or Excel table through U disk.
Serial port: Real-time data scanned by the built-in scanner module

5.3.1 U disk data

1. When you select the U disk to import **File** data, click **Load File** and click the button to enter the preview interface as shown **OK** in Figure 5-12. Select the file to be printed and click the button.

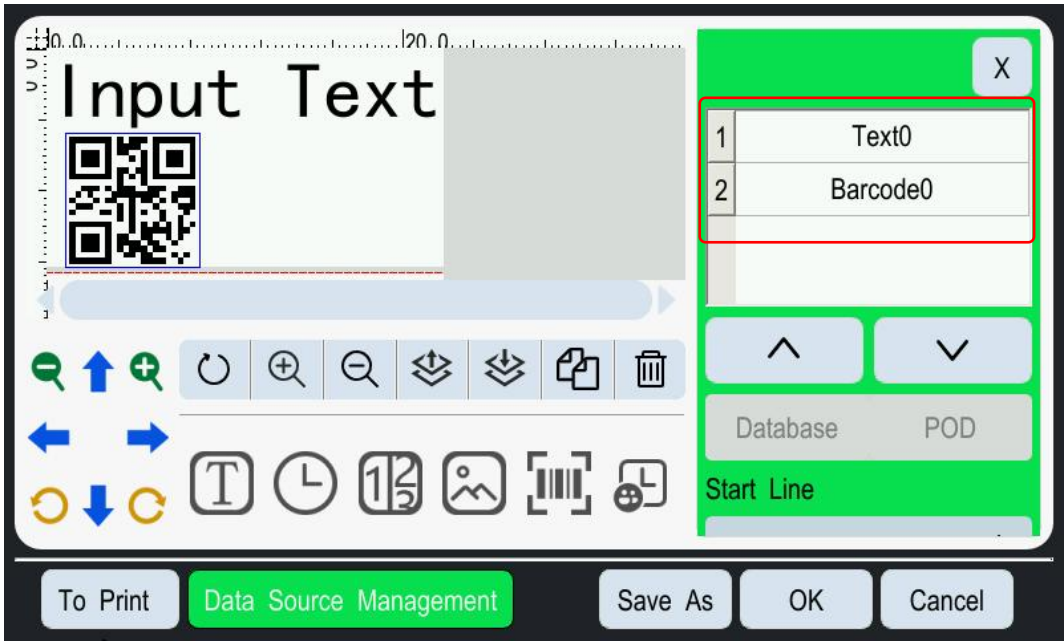


Figure 5-11 External data management interface

In: Move the actual print content forward by one column.

~: Moves the actual print content one column to the back.

Stop: Stop printing when the data is printed to the end line of the setting.

Repeat: When data is printed to the end of the set, it is printed again from the beginning of the set.

2. Load one line of data to print each time until the end of the file. Set the "start line", "end line", "current line" to be printed, and select "stop" or "repeat" printing after the job is completed.

3. If you print an Excel table, the data can still be loaded effectively when the number of edited information is less than or greater than the number of data columns in the Excel table. (This function only supports Excel tables in xlsx format)

4. The first loading of the Excel file on the device takes a longer time (about 17 seconds for 10w of data). The software includes an external database cache function. During the initial power-up of the inkjet printer, it only needs to load once, and there is no need to reload the same external database file (txt) again. If the inkjet printer is restarted or turned off, the external database file will be reloaded when the system is started.

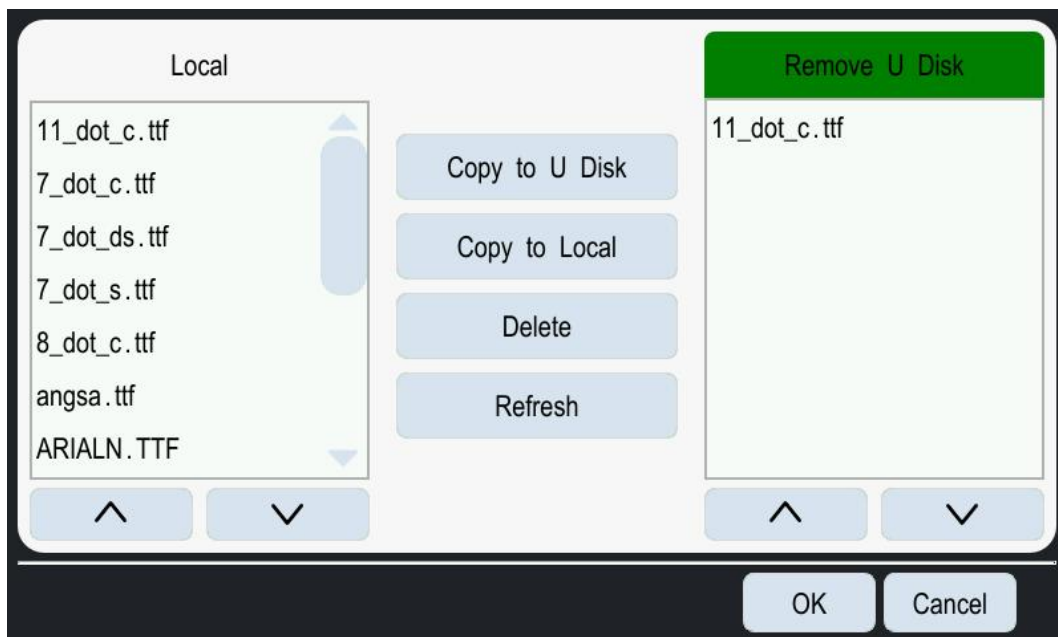



Figure 5-12 File preview interface

5.3.2, scanner module

1. If you need to print the real-time content scanned by the scanner, you can only **Serialport** create a text or bar code, click, save and load the file.

2. Click the button on  the main interface, and the system enters the setting interface. In the setting management interface, there is a "scanner" button. Click this button to make it blue,

and you can use the scanner function. When you return to the main interface, a beep sound is emitted, indicating that the scanner has been successfully opened.

3. Press the handle switch, and the scanner will emit a green light. Aim the light at the barcode you wish to scan. A 'drip' sound indicates a successful scan. (If the device is currently idle, click the 'Start' button to enter the printing mode.) Place the device on the object you want to print, then drag it to the right to complete the print.

Clear cache: If you need to print other data, you need to clear the cache in the device, otherwise you will print the cached data (the last scan of 1 data)

Cache Quantity: a. You can set the cache quantity of data on the device. When the cache quantity is set to 1, only one piece of variable data will be stored in the device, without accumulation. Data scanned by the scanner module is displayed on the screen in real time (regardless of whether the device is in print mode), and the device will update the data upon re-scanning. The current print content is based on the last scan data.

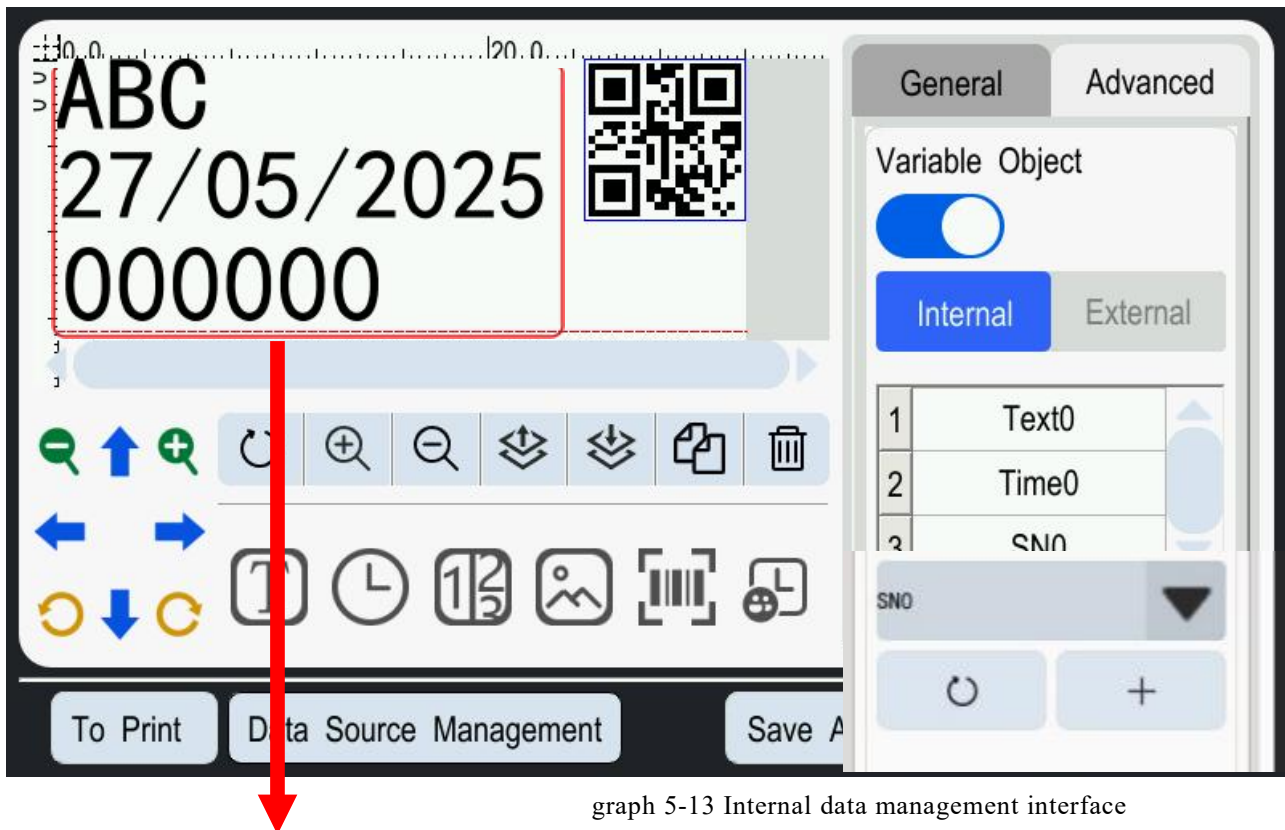
b. When the cache quantity is greater than or equal to 2, multiple variable data will be saved in the device and printed one by one according to the scanning order.

c. The device supports a maximum cache of 99 pieces of data. If the cache is fully printed and no new data is scanned, the device will print the last piece of data again until new data is received and the print content is updated.

5.4 How to edit internal variable data

This chapter describes how to edit internal variable data information. In section 5.2, we can see that in the advanced options of the "Barcode" property area, there is a "internal data" button. Click this button to make it blue, and you can start using the internal data function

When using the internal data function, we first need to generate the corresponding elements. As shown in Figure 5-13, for example, if we need to print a QR code with the content ABC2025/01/21000000, we first need to generate the text, time, and serial number items. The text content is ABC, the time format is yyyy/MM/dd, and the serial number has 6 digits. Next, we generate the QR code item by clicking the internal data button and selecting text0, Time0, and SN0 in the drop-down list.



graph 5-13 Internal data management interface


1. If you do not need to print this part of the content, we can set the font size to 0 to achieve the effect of printing only the QR code.
 2. It should be noted that if the font size is set to 0, the printed content cannot be modified later.
- ⤴: Move the actual print content forward
 - ⤵: Add the item selected in the drop-down list
 - X: Delete the selected item
 - + : Moves the actual print content to the back


5.5 How to edit a saved print file

This chapter describes two ways to edit a saved print file. Here are the steps:

1. Use the Load File function.
2. Long press the "Information Preview Area" on the main screen.

5.5.1 Use the "Load File" function

1. Click the button on  the main interface, and the system enters the file loading interface as shown in Figure 5-14.

2. Select the file to be edited in the file list, click the  button, and the system enters the file editing interface.

3. Select the information and edit it. After the modification is completed, click the drawing button, and the system returns to the loading file interface, where you can select the file for printing.

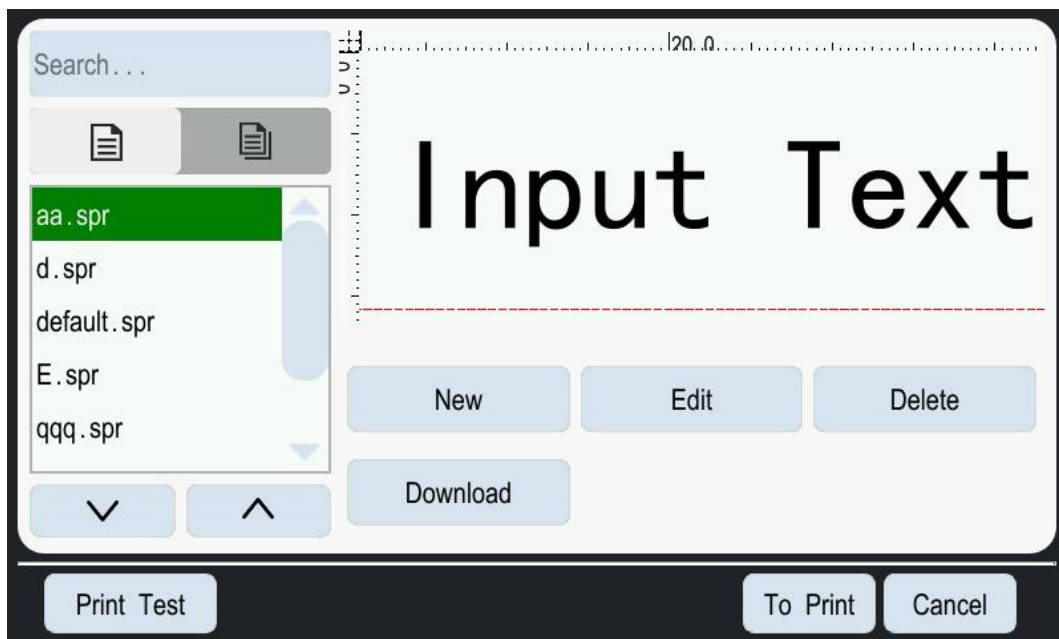



Figure 5-14 Load file interface

5.5.2 Click the "Edit" button on the main interface

1. In the main interface,  click the button to enter the file editing interface as shown in Figure 5-15.

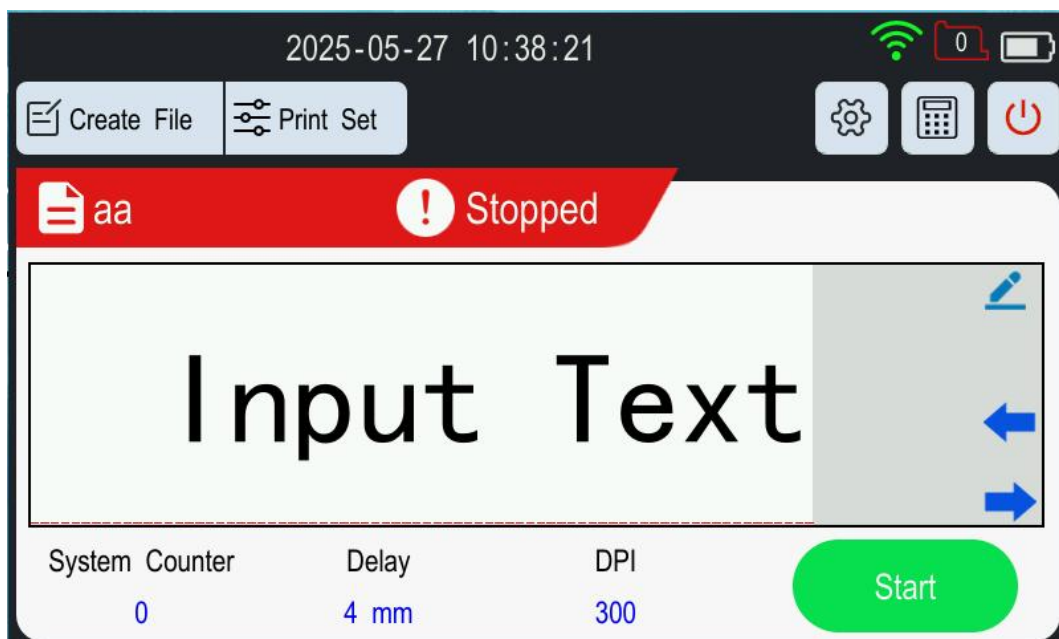


Figure 5-15 Main interface

2. The selected information in the preview area can be edited and **OK** modified. After the modification is completed, click the button to return to the main interface. The modified information is updated to the information preview area of the main interface, and you can directly print the job.

5.6 How to delete/copy files

1. The operation interface for loading files is shown in Figure 5-16. After you **Delete** select a file, click the button to delete the selected file.

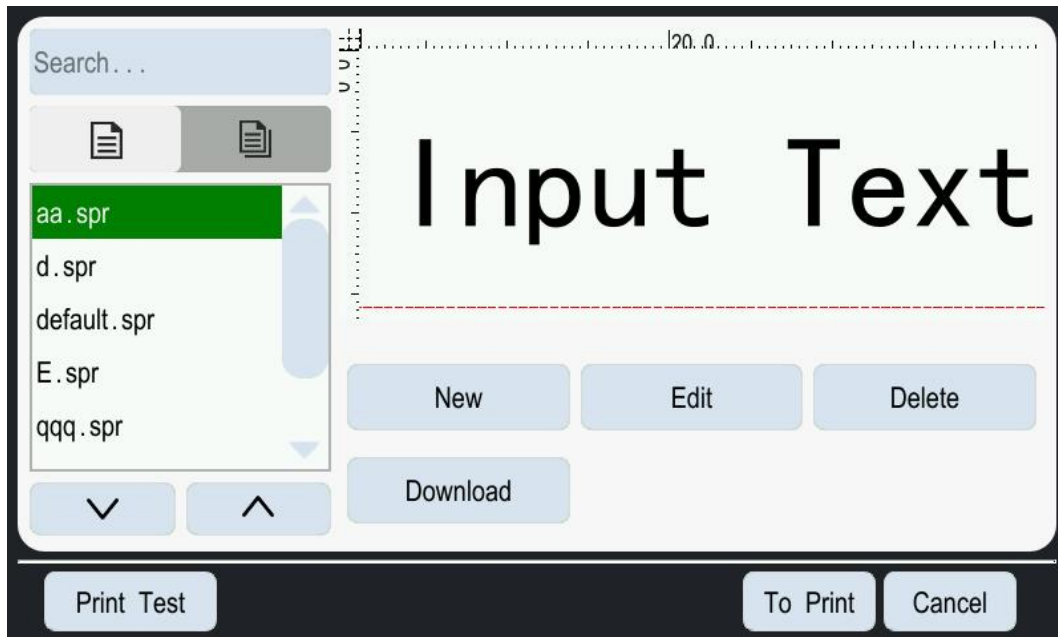


Figure 5-16 Load file interface

2. Click the **Refresh** button to copy the file. The download file interface is shown in Figure 5-17.
3. First, you need to find the file you want to copy in the file directory **Copy to U Disk**, and then click the **Copy to Local** button or click the button. The copy is complete.

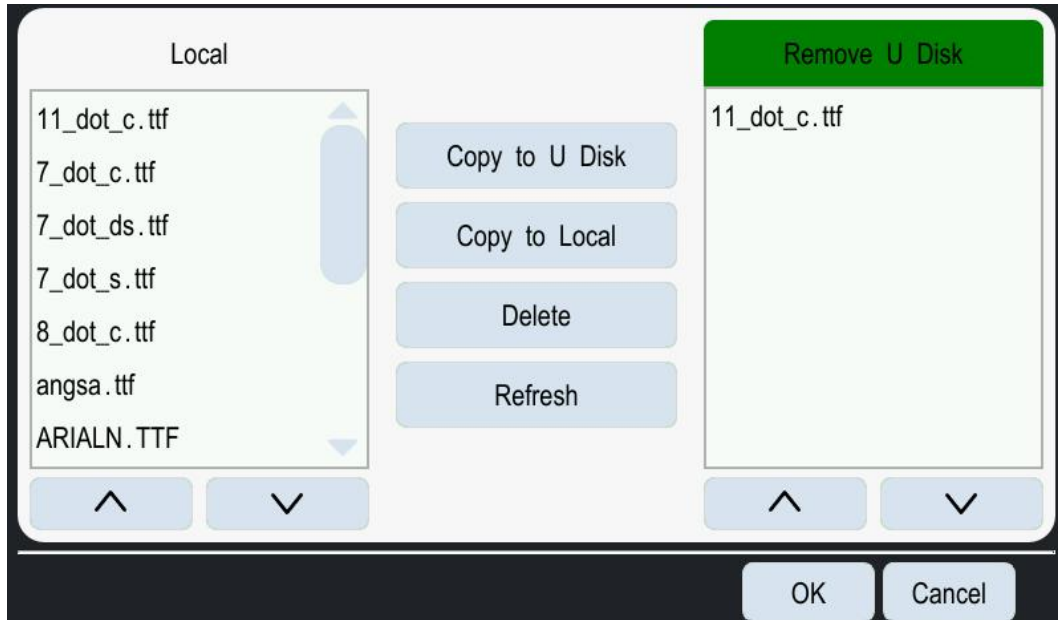



Figure 5-17 Download file interface

Chapter 6 User Interface

6.1 Print Settings

Click the button on  **Print Settings** the main screen to enter the print Settings interface. The print Settings include three pages: "Print Parameters", "Nozzle Settings", and "Print Mode". Print parameters are saved with the file, and you can set separate print parameters for each print file.

6.1.1 Print parameters

The interface for printing parameters is shown in Figure 6-1, which includes DPI and printing mode.



Figure 6-1 Print parameter interface

Button name	description
DPI	The larger the DPI is set, the clearer the information printed and the slower the printing speed.
Printing method	<ol style="list-style-type: none">1. The HP ink cartridges used all contain two columns of nozzles, namely left and right spray. When the nozzle on one side is not clear, you can choose the nozzle on the other side to print.2. It is recommended that you switch the "printing mode" once after using it for a period of time to better maintain the nozzle.

6.1.2 Nozzle setting

The interface of nozzle setting is shown in Figure 6-2. It includes printing direction, grayscale and printing delay.

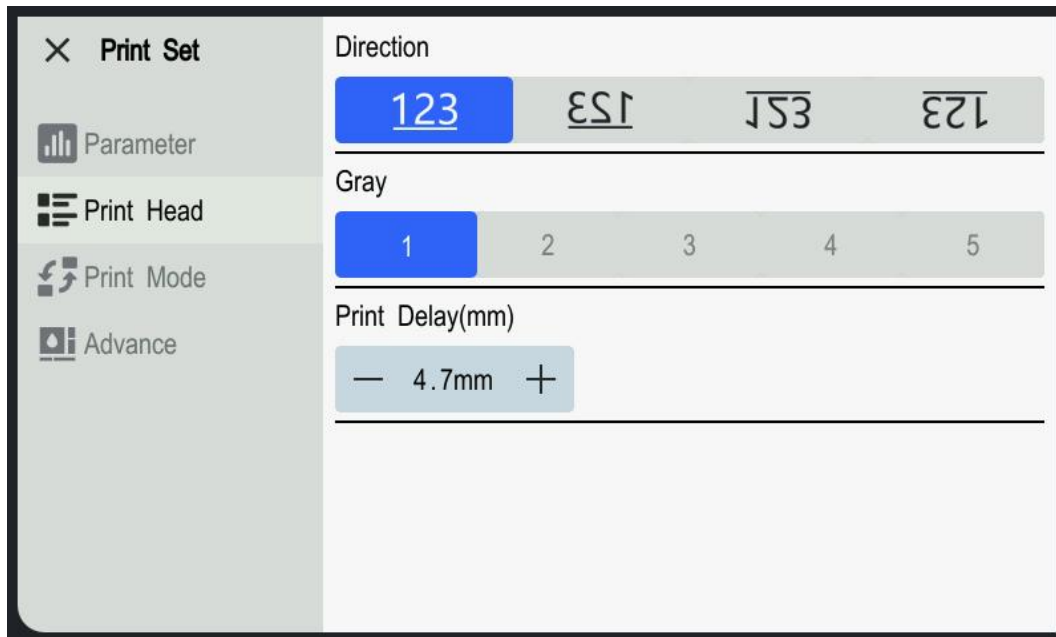


Figure 6-2 nozzle Settings interface

Button name	description
Print direction	Used to set the printing direction.
gray level	The greater the set gray scale, the deeper the color of the printed information, and the slower the printing speed.
Print the delay	Used to set the distance from receiving the trigger signal to starting printing. The larger the value, the farther away.

6.1.3 Printing mode

The interface of the print mode is shown in Figure 6-3. It includes the triggering mode and printing speed.

1. You can choose different triggering methods according to your needs:

If you need continuous printing, do not need to trigger signal, the triggering mode is selected "automatic printing";

If you need to use the handle switch to trigger and position the print, select "key trigger" as the trigger mode.

2. When the trigger mode is selected as "Automatic printing", the "signal interval" determines the spacing between two adjacent information prints; when the trigger mode is selected as "key trigger", the "print delay" determines the distance between the device receiving the trigger signal and the start of printing.

3. The encoder is enabled by default on the handheld device. The synchronous wheel and encoder can detect the dragging speed of the handheld device and automatically adjust the inkjet speed; when the encoder is not enabled, the printing speed needs to be adjusted to ensure that the printing does not deform.

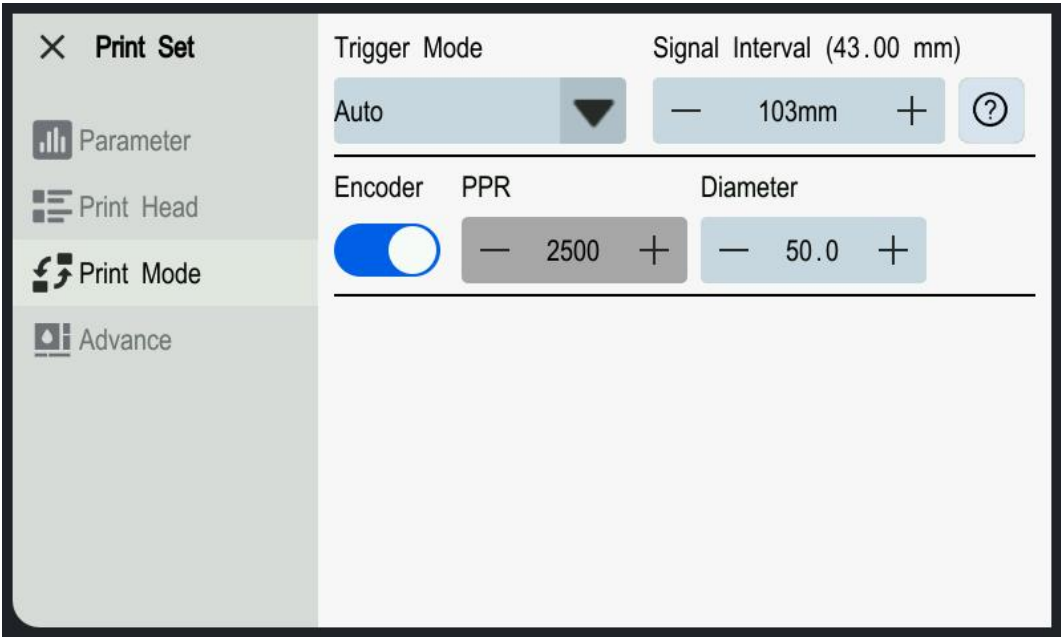



Figure 6-3 Print mode interface

Button name	description
Trigger method	Automatic printing: continuous printing without trigger signal. Button trigger: The signal is triggered by pressing the handle switch. It is recommended to enable the encoder to ensure that the print does not deform.
Signal interval	It only takes effect when the trigger mode is automatic printing. It is used to adjust the spacing between two adjacent information prints.
print out rate	1. The smaller the value of the printing speed, the slower the printing speed; the larger the value, the faster the printing speed. 2. It takes effect when the encoder is not used. The set value should be consistent with the actual dragging speed of the inkjet printer to ensure that the printed content does not deform. Enter parameter> actual production line speed, and the printed content will be elongated. Enter parameter <actual production line speed, and the printed content will be shortened.
encoder	If the encoder is used, fill in the parameters of the encoder truthfully to ensure that the printed content does not deform. PPR should be filled in the number of pulses of the encoder; Diameter (mm) should be filled in the diameter of the synchronous wheel.

6.2 Settings

Click the button on  the main screen to enter the Settings screen. Settings consists of four screens: Configuration Management, Custom Date, System Language, and About.

6.2.1 Configuration management

The interface of configuration management is shown in Figure 6-4. The print voltage and print pulse width cannot be modified in the print state.

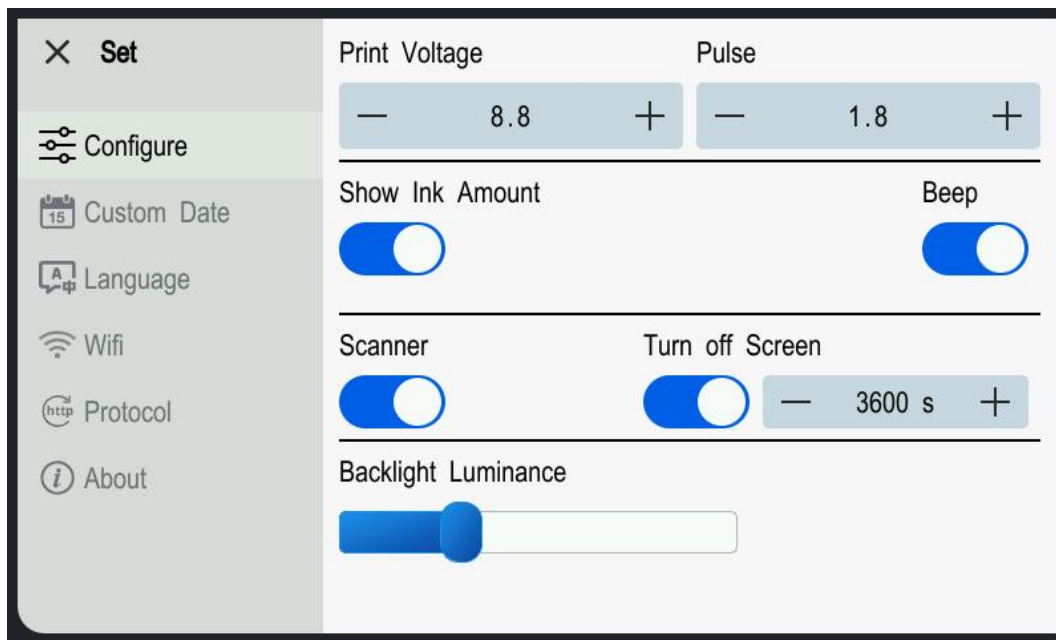


Figure 6-4 Configuration management interface

Button name	description
Print voltage	The working voltage used to set the ink cartridge nozzle (depending on the ink cartridge setting).
Print the pulse width	The printing pulse width used to set the ink cartridge nozzle (depending on the ink cartridge setting).
Display ink volume	Click to open, the main screen shows the remaining ink quantity, otherwise it does not display.
warning tone	Each time a key is pressed, the buzzer emits a "beep beep" sound.
scanner	Click to open and go back to the main screen, and a beep will be emitted. Refer to Chapter 5.5 for the specific usage.
Close the screen	Click to open and set the value to 10s. After 10s, the screen is off. Click any position on the screen to turn on the screen.
Backlight brightness	Set the backlight brightness of the screen, which can be set from 1 to 8. Drag left and right to set the brightness according to your needs.

6.2.2, Custom date

The interface for customizing dates is shown in Figure 6-5. We can define "weeks" and "months" according to our needs, so that they are displayed according to our needs. See Appendix 1 for details. Time offset: The maximum setting is ±23h. The system time plus the set time offset value is the hour to update a new day.

For example, if the time offset is set to 6h, the system time will be updated to the date of a new day at 06:00 hours.

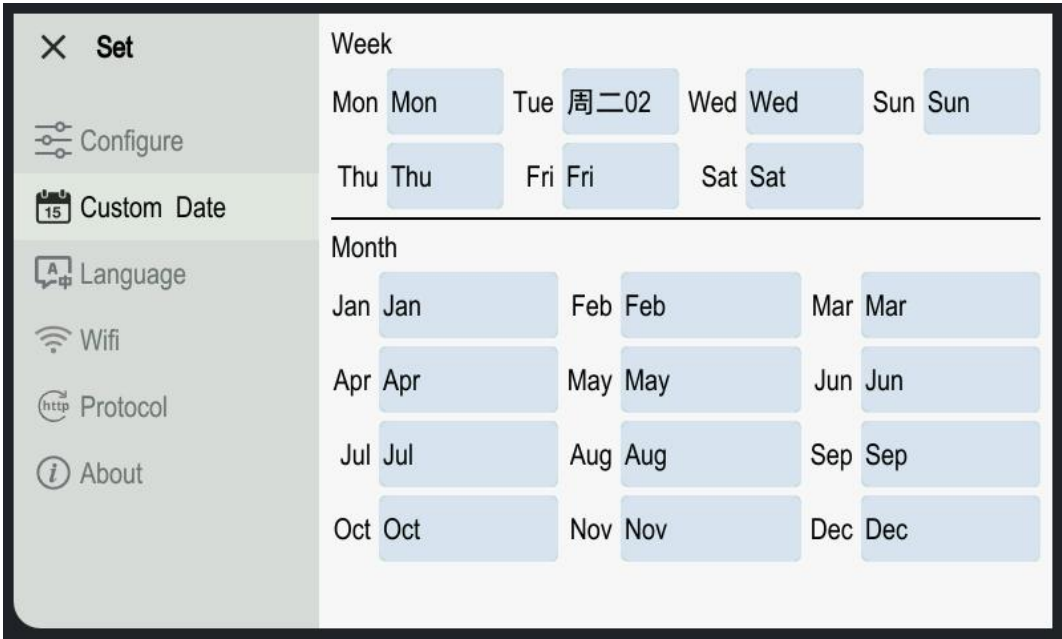


Figure 6-5 Custom date interface

6.2.3 System language

The interface of the system language is shown in Figure 6-6. Currently, it includes 17 languages: Arabic, Simplified Chinese, Traditional Chinese, English, French, German, Greek, Hungarian, Italian, Korean, Persian, Portuguese, Russian, Spanish, Thai, Turkish, and Vietnamese.

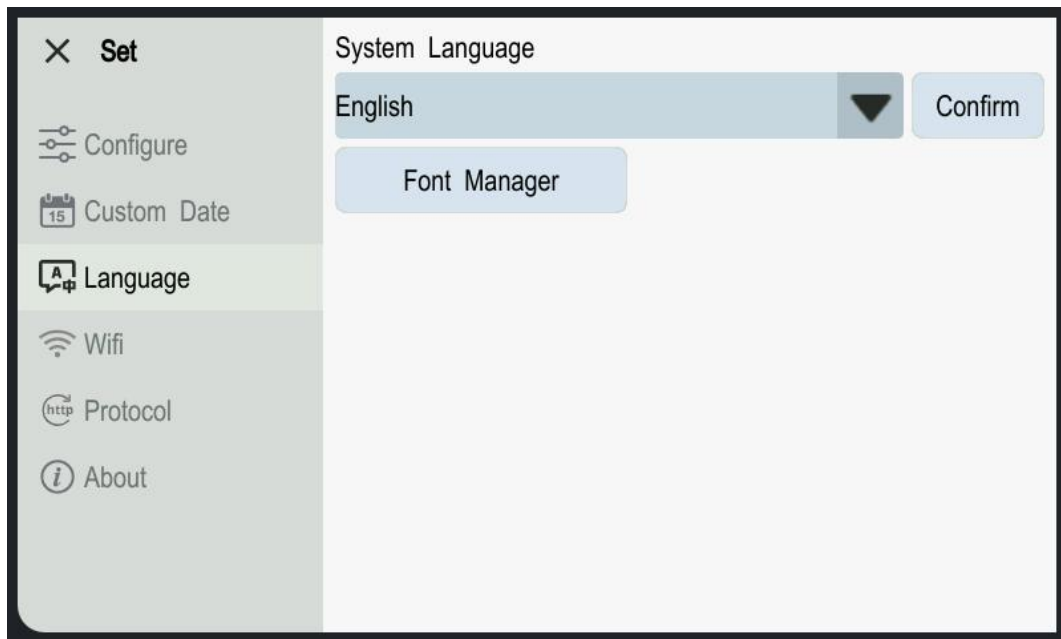
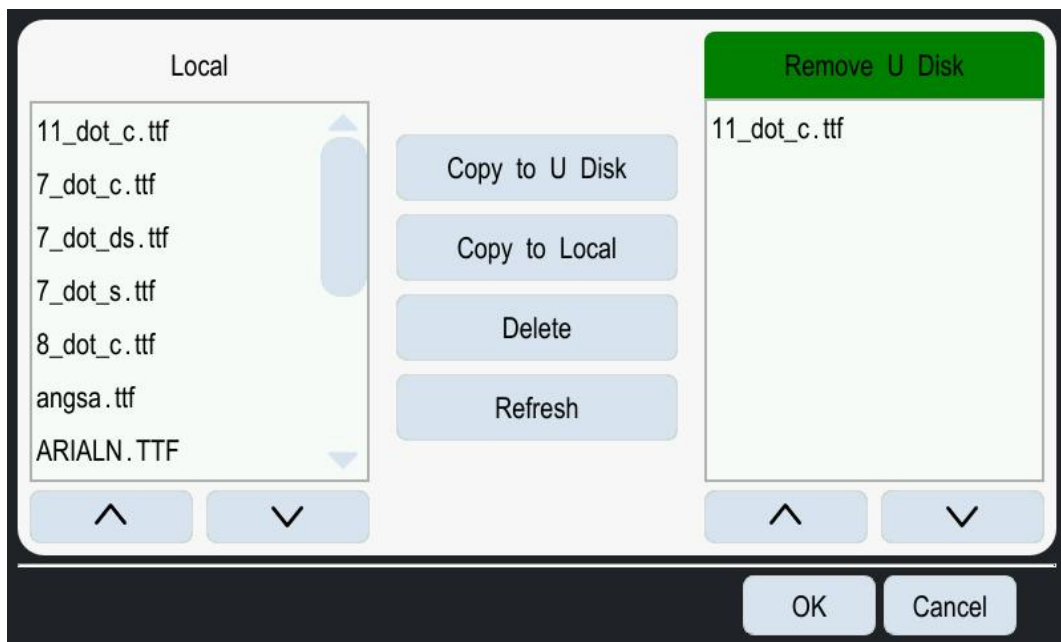


Figure 6-6 System language interface

Font management: You can use a U disk to copy the required font to the device and select the font when editing information. You can also copy the fonts in the device to the U disk. Note: The suffix.ttc and.ttf formats can be recognized.



6.3 Counter Settings



Click the button on the main interface to enter the counter setting interface, which includes counter setting and print times.

As shown in Figure 6-7.

Counter Set

Counter ID

Counter1

▼

Start Value

— 0 +

End Value

— 99999999 +

Step Value

— 1 +

Repeat Value

— 1 +

Current Value

— 0 +

Repeated Value

— 1 +

System Counter

00000000

Reset System Counter

OK

Figure 6-7 Counter Settings

Button name	description
Start value, end value	The start value and end value define the range of change for the counter. When the counter accumulates to the end value, it automatically returns to the start value for printing.
Step value	The increment value of the counter is increased by one, and negative values can be set.
current value	The value that the counter currently needs to print.
number of replication	Set the number of times each data is printed.
Number of repetitions	When repeated times>1, it takes effect and is used to record the number of times the data is printed.
Reset the number of printouts	Used to reset the number of times the main interface is printed, so that the number of times is zero.

6.3.1, decreasing counter

You can print a countdown sequence number. For example, set the current value to 100, the end value to 0, and the step value to -1. This means the device starts printing from 100 and prints sequentially as 100,99,98.....0. If you set the starting value to 100, it will start over from 100 and print in a loop.

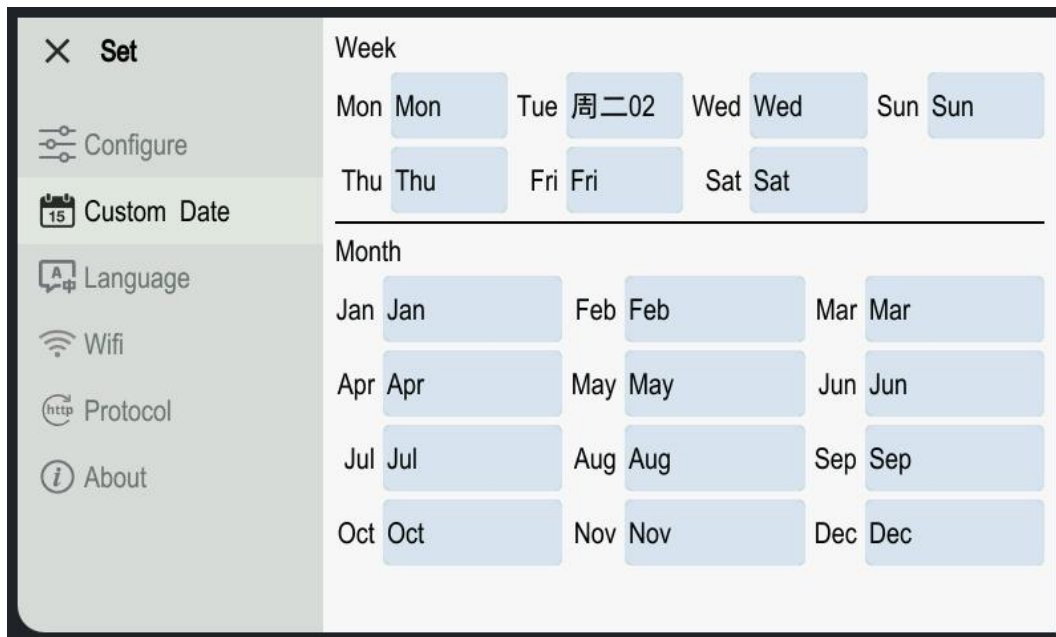
Appendix 1

Custom date Custom month: NR

d	Date numbers without leading zeros (1 to 31)						
dd	Date numbers with leading zeros (01 to 31)						
ddd	Abbreviated week names (e.g. "Mon" to "Sun")						
dddd	Full name of the day of the week (e.g. "Monday" to "Sunday")						
M	Month numbers without leading zeros (1-12)						
MM	Number of months with leading zeros (01-12)						
MMM	Abbreviated month names (e.g., "Jan" to "Dec")						
MMMM	The full name of the month (e.g. "January" to "December")						
yy	Decades (00-99)						
yyyy	Four-digit years						
h	Hours without leading zeros (0 to 23, or 1 to 12 if AM/PM is used)						
hh	Hours with leading zeros (00 to 23, or 01 to 12 if AM/PM is used)						
H	Hours without leading zeros (0 to 23, i.e., using AM/PM display)						
HH	Hours with leading zeros (00 to 23, i.e., when using AM/PM display)						
m	Minutes without leading zeros (0 to 59)						
mm	Minutes with leading zeros (00 to 59)						
s	Whole seconds without leading zeros (0 to 59)						
ss	Each second has a leading zero (00 to 59) if applicable						
AP /ap /A /a	The time is expressed in AM/PM time. AP must be "AM" or "PM", regardless of case.						
JD	Indicates the day of the year						
JW	Indicates the week of the year						
ND	Sun	Mon	Tue	Wed	Thu	Fri	Sat
NN	01	02	03	04	05	06	07
NO	A	B	C	D	E	F	G

Case: Editing Custom Time

1. Custom date (Settings-> Custom Date)



2. Edit Time, you can click the "Clear" button to edit the date format you want. Like the picture below.

