

SNEED-JET® TITAN T9 Handheld Inkjet Printer



User Manual

V1.1

February 2026

Version Log

Version	Revisions	Revision Date
V1.0	User Manual	January 2025
V1.1	User Manual	February 2026

Help Desk and Support Videos:

<https://help.sneedcoding.com/>



Table of Contents

Contents

Version Log	2
Chapter 1: Introduction	5
1.1 Inkjet Printer Overview	5
1.2 Printer Parameters	6
Chapter 2: Safety Information	7
2.1 Introduction	7
2.2 General Safety Guidelines	7
2.3 Usage Specifications	7
2.3.1 Emergency Response Plan	7
2.3.2 Warranty	8
The following conditions are NOT covered by the warranty:	8
Chapter 3: Main Components	9
3.1 Main Components of the Printer	9
Chapter 4: Operation	10
4.1 How to Turn On the Inkjet Printer	10
4.2 Introduction to the User Interface	10
4.3 How to Select Jobs for Printing	12
4.4 How to Start Printing	12
4.5 How to Stop Printing	12
4.6 How to Turn Off the Inkjet Printer	12
4.7 Faults and Warnings	12
Chapter 5: Print Editor	14
5.1 How to Create a New Print File	14
5.2 How to Edit Print Information	16
5.3 How to Edit External Variable Data	24
5.4 How to Edit Internal Variable Data	26
5.5 How to Edit a Saved Print File	27
5.6 How to Delete & Copy Files	29
Chapter 6: User Interface	31
6.1 Print Settings	31
6.2 Settings	34
6.3 Counter Settings	37
Appendix 1: Custom Date Formats	38
Example: Editing Custom Time	39

Chapter 1: Introduction

1.1 Inkjet Printer Overview

The T9 thermal inkjet printer (Figure 1-1) is designed for intelligent, high-definition coding on products and packaging across various industries. It is user-friendly and easy to integrate, ensuring clean and clear printing. This printer can print both fixed and variable information on consumer and industrial products.



Figure 1-1: T9 Handheld Inkjet Printer

1.2 Printer Parameters

Description	Specifications
Model	T9 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	600 DPI (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, Barcode, 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 designed to print information on products. Using this device for any other purpose may cause serious personal injury or product failure. The safety guidelines in this chapter explain all safety issues to help operators use and maintain the equipment and its accessories safely and properly.

2.2 General Safety Guidelines

- Do not use unauthorized chargers, as this may damage the equipment or cause serious safety hazards.
- Before using the equipment, check that all cables are undamaged to prevent safety accidents.
- Do not expose this equipment to heat sources, strong light, fire, or similar environments.
- Do not disassemble or repair this equipment without authorization. Unauthorized repairs will void the warranty.
- Do not unplug any accessories, cables, or cartridges while the device is powered on.
- Avoid storing or using this equipment in humid or dusty environments.;

2.3 Usage Specifications

- Use only officially certified ink cartridges and the official standard charger.
- Do not remove the cartridge while the device is powered on, as this may damage the equipment or cartridge.
- Do not exceed the nominal voltage and pulse width parameters of the cartridge when printing, as this may shorten the cartridge's service life.
- When the equipment is not in use, fasten the front cover promptly to prevent the ink cartridge nozzle from drying and clogging.
- The printing cartridge is a precision component. If it becomes stuck during installation, do not force it. Adjust the cartridge position and insert it carefully.
- If the ink cartridge does not print clearly, wipe the nozzle with a non-woven cloth. Do not shake the cartridge violently.
- When cleaning the equipment, keep it away from water and do not use chemical solvents.

2.3.1 Emergency Response Plan

In case of an emergency such as smoke, uncontrolled continuous printing, fire, or explosion sounds, immediately disconnect the power supply and turn off the equipment.

2.3.2 Warranty

Quality Assurance: The entire machine, excluding the ink cartridge, is covered by a 12-month warranty from the date of the bill of lading. The warranty does not apply to problems caused by misuse, tampering, or improper use.

The following conditions are NOT covered by the warranty:

- Use of any non-original cartridges or unapproved OEM inks.
- Disassembly or modification of the product without approval.
- Accidents caused by natural disasters, storage or transportation conditions, such as (but not limited to) drops, water exposure, or contact with other liquids.
- Damage 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 the printer on or off. It is located on the right side of the printer.

Note: Do not immediately press the power switch to restart after shutdown. The system requires approximately 10 seconds to complete the shutdown process.

3.1.2 Interfaces

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



Figure 3-1: T9 Interface Diagram

Interface Number	Interface Type	Interface Usage
1 & 2	USB Port	Used to connect external devices such as USB drives.
3	Power Interface	Used to connect the power adapter to supply power to the inkjet printer. The power adapter for this device is 16.8V/2A.

Chapter 4: Operation

4.1 How to Turn On the Inkjet Printer

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

4.2 Introduction to the User Interface

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

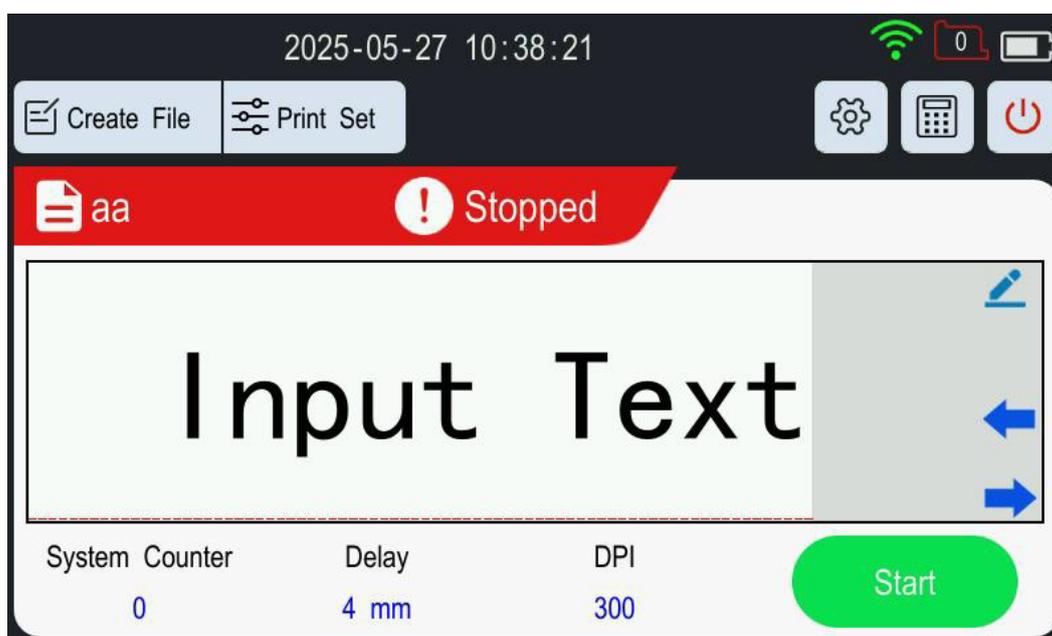
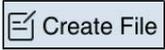
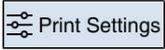
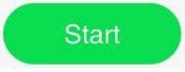


Figure 4-1: Home Page Interface

	Button	Description
New File		Enter the editing interface to quickly create a new print file.
Print Settings		Adjust all print parameters, such as print mode, nozzle selection, and printing method.
File Management		Perform operations on saved files, such as editing, deleting, and selecting for printing.
Settings		Configure auxiliary parameters, such as print voltage, user permissions, custom date, and system language.
Counter Settings		Set counter parameters, such as start value, step value, and current value, and to reset the number of prints.
Shutdown		Click this button to shut down the inkjet printer.
Edit Current File		Make content changes to the file currently being printed.
Start/Stop	 	<p>When idle: Click this button to verify the ink cartridge. After verification, the device enters print mode. The button turns red and displays "Stop".</p> <p>During printing: Click this button to stop printing. The button turns green and displays "Start".</p>

Main Interface Elements

No.	Name	Description
1	System time	Used to display the current system time and modify the system time.
2	Battery Level	Displays the remaining battery power.
3	Ink Level	Displays the remaining ink in the currently installed cartridge.
4	Status Bar	<p>Displays the name of the current print file and the printer's working status:</p> <ol style="list-style-type: none"> Idle: No work Print (working): In operation Low ink: Ink quantity has reached the alarm level
5	Information Preview Area	Displays information about the current print file. Drag this area left or right to view information outside the display area.
5	Parameter Preview Area	<ol style="list-style-type: none"> Displays the number of times the current job has been printed, which can be used to calculate the number of products in a job. Provides quick access to view current important parameters, namely DPI and delay.

4.3 How to Select Jobs for Printing

1. Click the File Management button on the main interface.
2. Select a file from the list. A preview of the file will be displayed on the right side of the screen (Figure 4-2).
 - Click the “To Print” button to return to the main interface. Note: If the device is in print mode, selecting a job will directly enter print mode and update the print content.

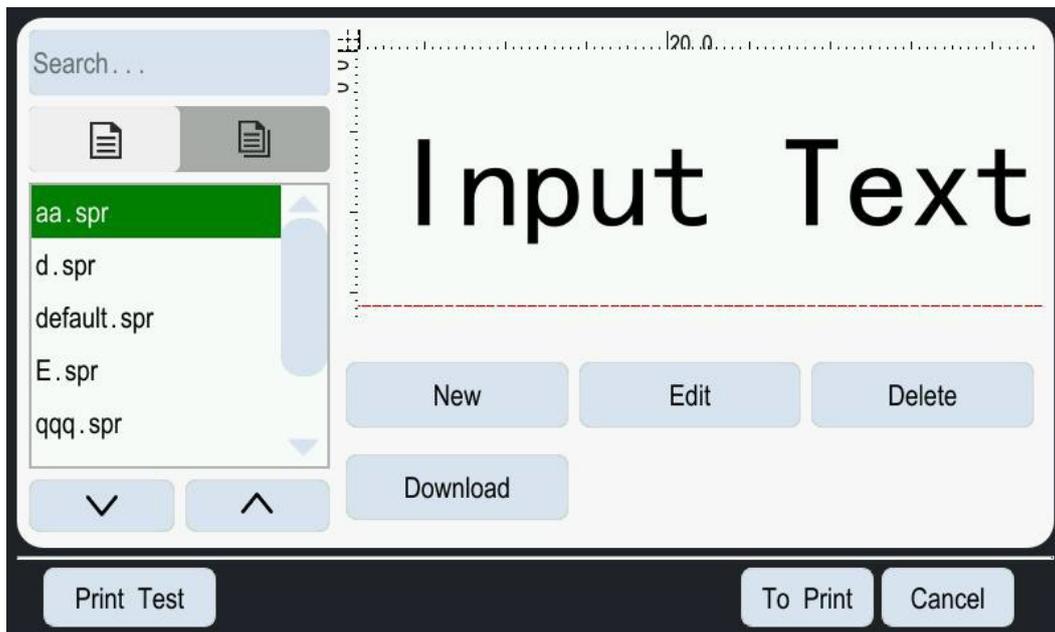
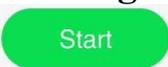


Figure 4-2: File Management Interface

4.4 How to Start Printing

Click the Start button  to begin the print operation. The button will change to Stop . You can now print your job.

4.5 How to Stop Printing

Click the Stop button  to change the inkjet printer's status to stop printing.

4.6 How to Turn Off the Inkjet Printer

Stop printing before turning off the printer. If the inkjet printer is in the stopped state, press the power switch on the right side of the printer directly.

Note: The inkjet printer has power-off protection, so you must wait approximately 10 seconds after shutdown before performing the next operation.

4.7 Faults and Warnings

When a fault occurs, the printer will display a fault message in the center of the screen.

Chapter 5: Print Editor

5.1 How to Create a New Print File

This chapter describes two methods for creating a new print file:

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

5.1.1 Use the "New File" Function

1. Click the Create File button  **Create File** on the main interface. 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 needs.

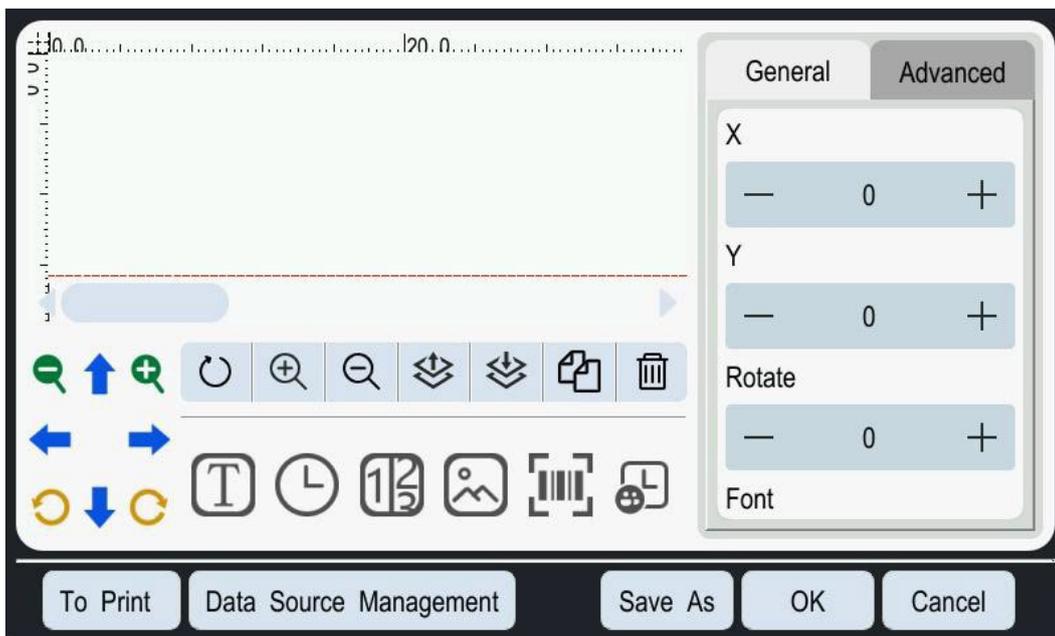


Figure 5-1: Edit File Interface

2. After editing the required information, select **To Print**, **OK**, or **Save As** at the bottom of the screen to save the edited information..
3. The system enters the file saving interface. Enter the file name in this interface, as shown in Figure 5-2. **Note:** Only numbers, letters, and Chinese characters can be used for naming; symbols cannot be used.

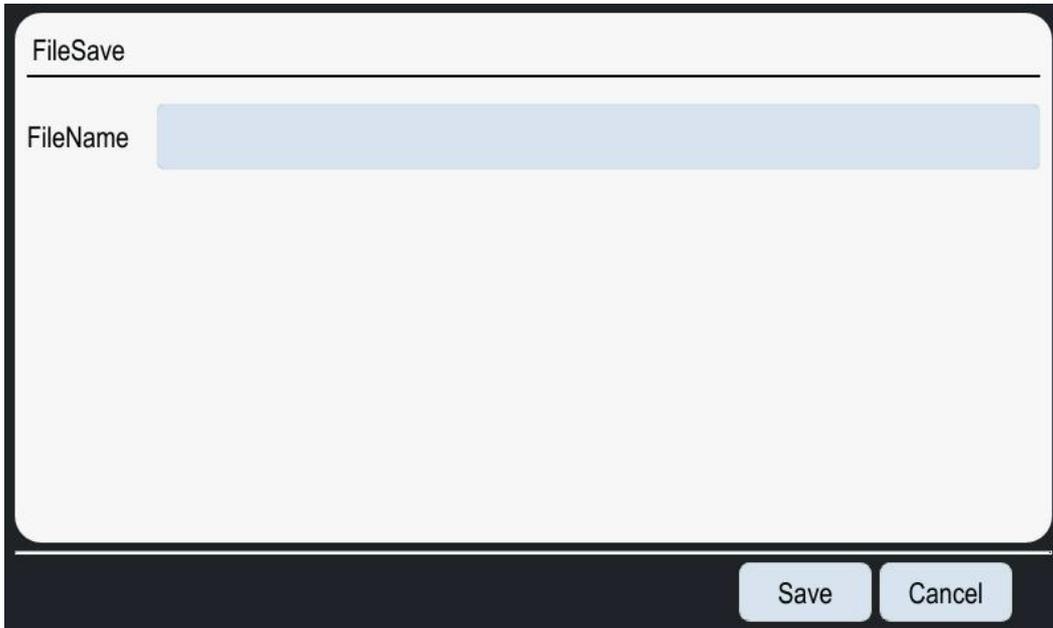
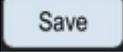
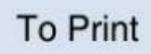
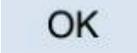
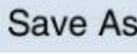
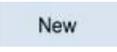
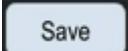


Figure 5-2: File Save Interface

4. Click the  button to save successfully. The system returns to the main interface.

Button	Description
	After the file is saved, return to the main interface. The edited content is updated to the main interface. If the device is in print mode, the newly edited content will be updated for the next print. Note: This button is only displayed when you enter the editing interface from the main interface by clicking the "New File" button.
	The file is saved locally only and will not be updated to the main interface for direct use.
	Modify the saved print file name.

5.1.2 Use the "Load File" Function

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

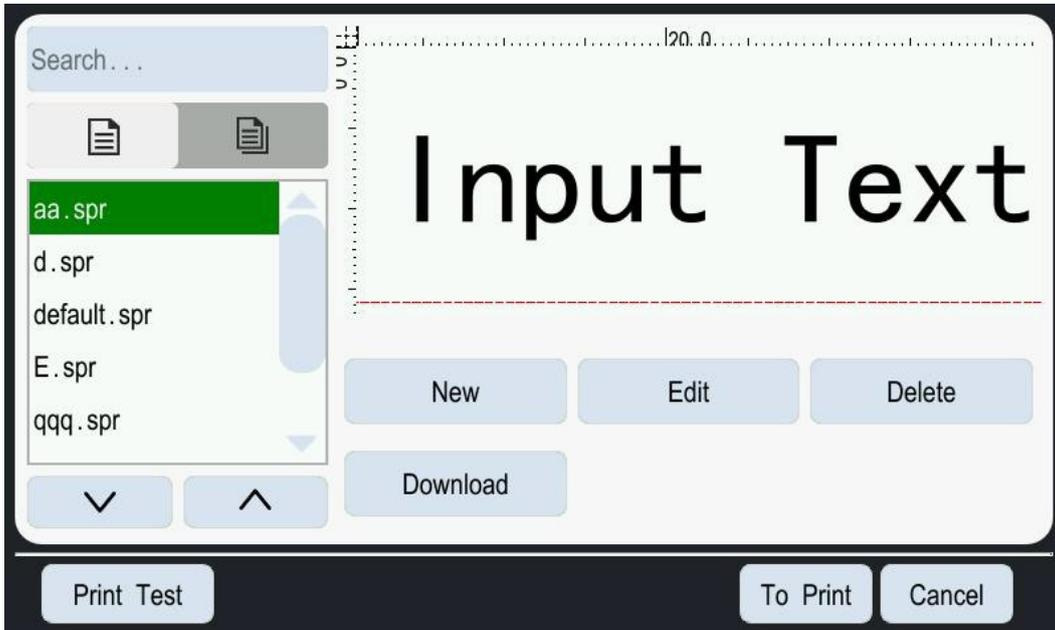


Figure 5-3: Load File Interface

5.2 How to Edit Print Information

This chapter describes how to edit different types of print information. Using the two methods described in Chapter 5.1, enter the file editing interface as shown in Figure 5-4.

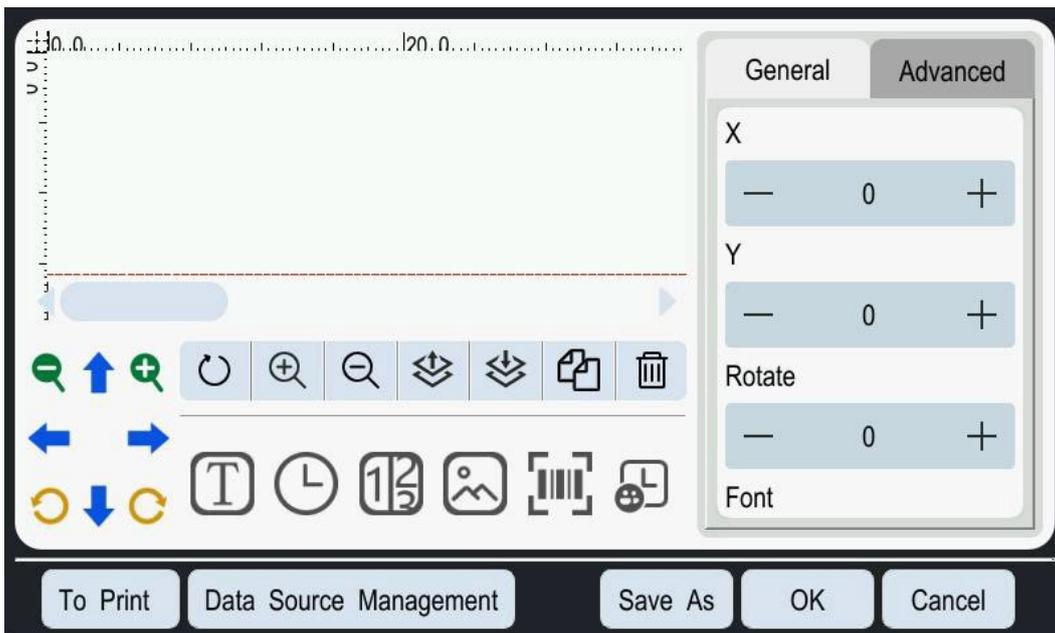


Figure 5-4: Edit File Interface

In the file editing interface, you can edit according to your needs. Content can include:

- Text 
- Time 
- Counter / Serial Number 
- Image 
- Barcode 
- Shift Code 

Button	Name	Description
	Reset View	Restore the information in the editing area to its original state after zooming.
	Zoom In	Zoom in to view the information content in the information editing area.
	Zoom Out	Zoom out to view the information content in the editing area.
	Bring to Front	When two pieces of information overlap, place the selected information on top so the content is visible.
	Send to Back	When two pieces of information overlap, place the selected information at the bottom so the content is hidden.
	Copy	Copy an information item with the same content and parameters as the selected one.
	Delete	Delete the information in the information editing area.
	Font Size	Adjust the font size of the information.
	Position	Adjust the position of the information according to the arrow direction.
	Rotation	Adjust the rotation angle of the information according to the arrow direction.

Attributes: General and Advanced

Attributes are divided into General and Advanced.

- The General interface sets font size, rotation, and font style.
- The Advanced interface contains unique settings for each item type.

Button	Description
X	Use the "+" or "-" sign to adjust the position of the text on the X-axis.
Y	Use the "+" or "-" sign to adjust the position of the text on the Y-axis.
Rotate	Use the "+" or "-" sign to adjust the rotation angle of the text.
Font	Click the font drop-down box to select and change various font styles.
Font Size	Adjust the size of the text with the "+" or "-" sign.
Character Spacing	Adjust the distance between characters with the "+" or "-" sign.
B (Bold)	Click to select. The button background turns blue and the text becomes bold.
I (Italic)	Click to select. The button background turns blue and the text becomes italic.
<u> </u> (Underline)	Click to select. The button background turns blue and the text is underlined.
 Horizontal Scaling	Scale the font horizontally by adjusting the value to stretch the font.
 Vertical Scaling	Font vertical zoom. By adjusting the value, you can stretch the font vertically.
 Reset Scaling	Restore the scaled font to its default state.

5.2.1 Text Editing

1. To print English text, Chinese characters, numbers, or symbols, click the Text button . A default text item will appear in the preview area.

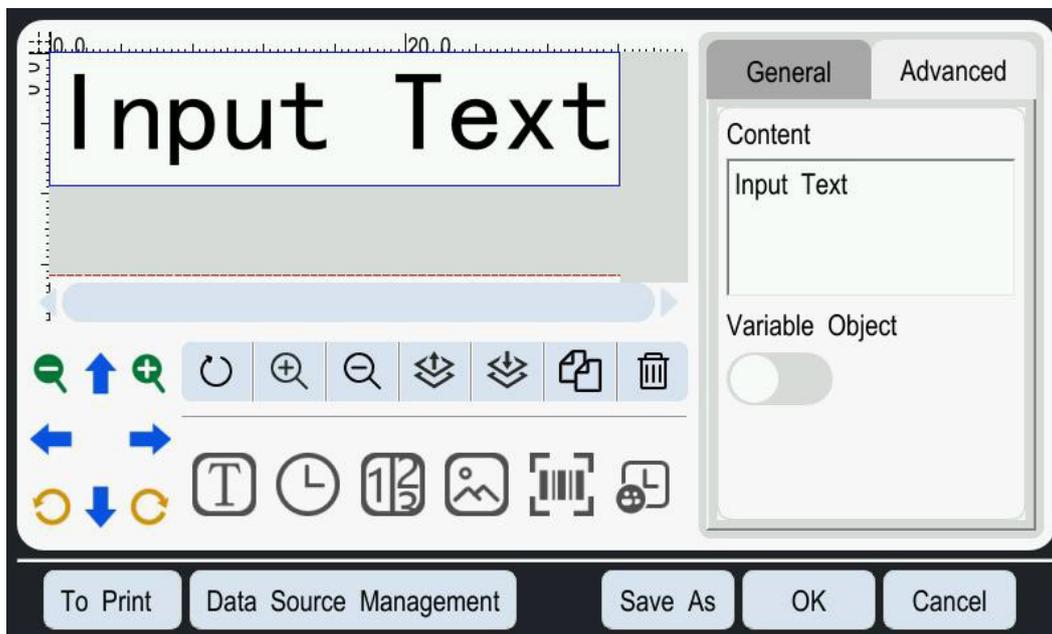


Figure 5-5: Text Editing Interface

2. Click the content box in the Advanced interface and enter the required information using the keyboard that appears, as shown in Figure 5-5.
3. In the General interface, you can adjust the position, font, size, and other properties of the text.

5.2.2 Time Editing

1. To print variable time (time in the printed information that updates automatically without manual intervention), click the Time button . A default time item will appear in the preview area, as shown in Figure 5-6. **Note:** Variable time information updates in real-time during printing.
2. In the General interface, you can adjust the position, font, size, and other properties
3. In the Advanced interface, you can set the time format, effective days, etc.
 - Time Format: You can freely combine the format through the keyboard or the shortcut keys.
 - Effective Days: The number of days added to the current system time.
 - For custom time formats, please refer to Appendix 1.

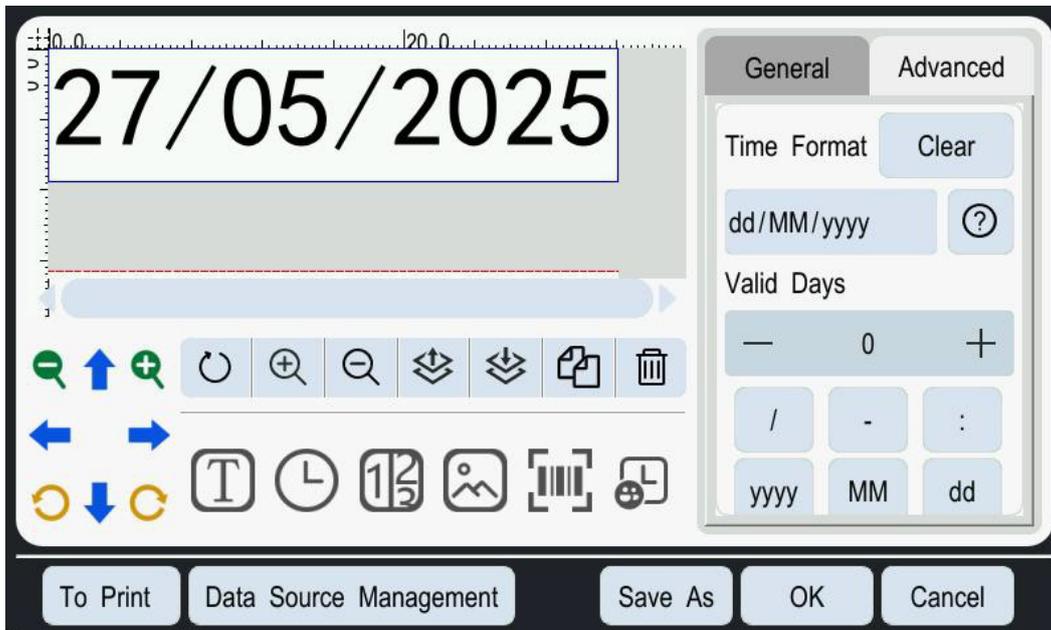


Figure 5-6: Time Editing Interface

5.2.3 Serial Number Editing

1. To print variable serial numbers (counting content that updates automatically without manual intervention), click the Counter / Serial Number button . A default serial number item will appear in the preview area, as shown in Figure 5-7.

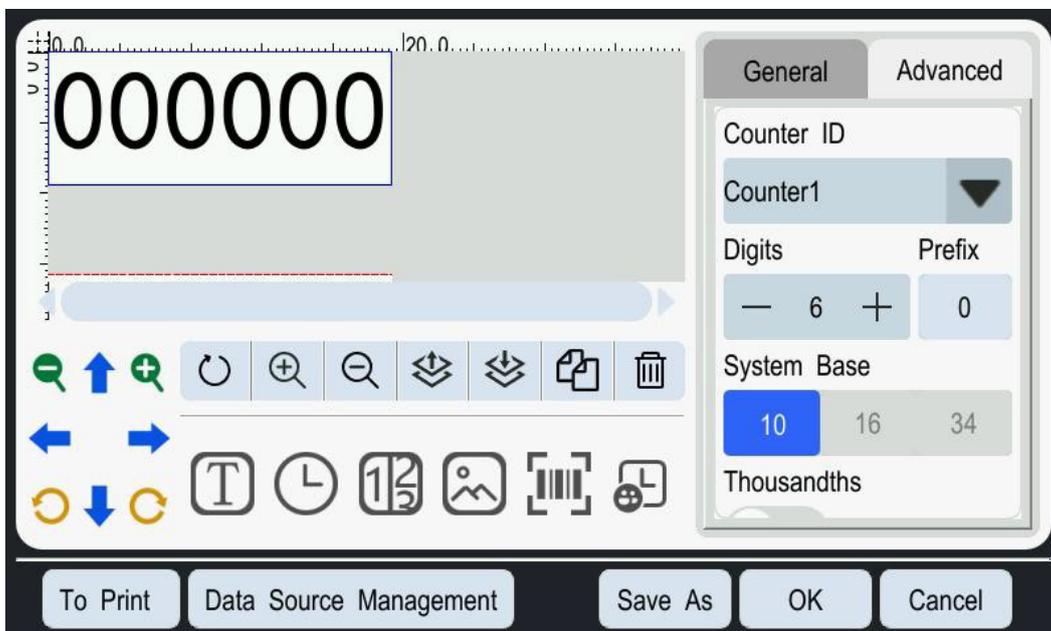


Figure 5-7: Serial Number Editing Interface

2. In the Advanced interface, you can select different fixed digit numbers. The maximum digit number is 8 (high digits are filled with zeros). 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. To print an image, click the Image button . A default "image" item will appear in the preview area, as shown in Figure 5-8.

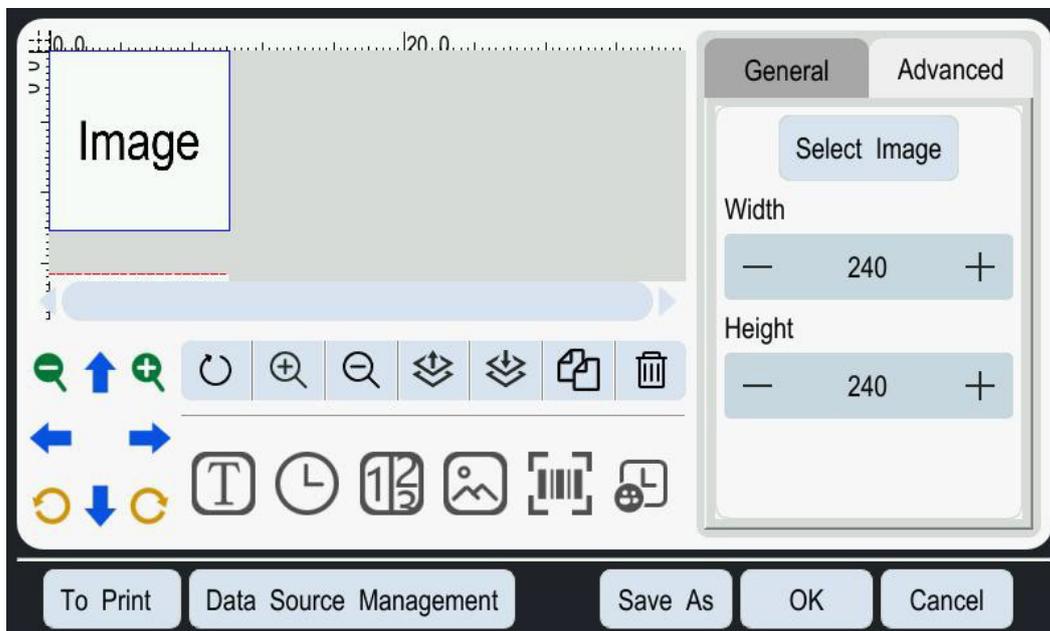


Figure 5-8: Image Editing Interface

2. In the Advanced interface, click the Select Image button, choose the image file to print, and adjust the height and width.

3. In the General interface, you can adjust the position, rotation angle, and other properties of the image.

- Important Notes for Image Editing

- This system supports PNG, JPG, and BMP image formats.
- After editing a print file with images on a PC, it can be directly imported into the device via USB drive without importing the corresponding images again.
- When selecting images, you can choose images from a USB drive. After saving, you can use them directly without importing the images into the device.

5.2.5 Barcode Editing

1. To print a barcode, click the Barcode button . A default QR code item will appear in the preview area, as shown in Figure 5-9.
2. In the General interface, you can adjust the position, rotation angle, and other properties of the barcode.
3. In the Advanced interface, click the content box and enter the required information using the keyboard that appears.

Button	description
Type	Click the drop-down menu to select the type of barcode.
Height	Adjust the height of the barcode with the "+" or "-" sign (only effective for barcodes with variable height).
Magnification	Use the "+" or "-" sign to scale the size of the barcode.
Display Text	Click the button to make it blue to display the text; otherwise, it will not display.
Data Mode	Choose between Standard mode and GS1 mode.
External Data	Connect to external devices to print variable information, such as USB drives or scanners.
Internal Data	Implement internal variable information by adding text, time, and serial numbers.

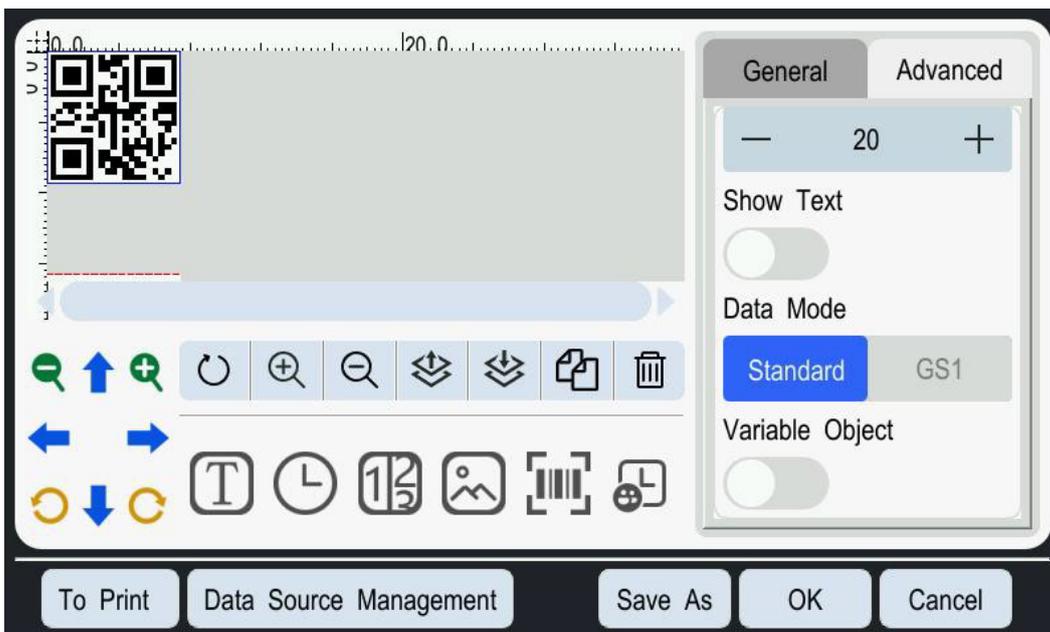


Figure 5-9: Barcode Editing Interface

Important Notes for Barcode Editing

1. Different barcodes have their own definition specifications. If the edited content does not conform

to the corresponding barcode specifications, it may cause the barcode to display incorrectly.

2. QR Code, Data Matrix, and Code_128 are three types of barcodes that support GS1 mode, which has specific encoding rules.

5.2.6 Shift Code Editing

1. To record the rotation of each shift (content that automatically changes to the set content at the set time), click the Shift Code button. A default shift code item will appear in the preview area, as shown in Figure 5-10.

Barcode Type	Specific Functions	Description
QR Code	Display Settings	1. Adjustable text display spacing. 2. Text can be displayed on the right or below the QR code. 3. Supports displaying 5 rows of text in GS1 (UDI) mode.
Data Matrix (DM Code)	Display Settings	1. Like QR codes, Data Matrix codes can adjust text spacing and display position. 2. Size is selectable, from 10×10 to 40×40. 3. Supports displaying 5 rows of text in GS1 (UDI) mode.
QR Code DM Code Code_93 Code_128 DF417	Internal Data	1. Text, time, and serial numbers can be added. 2. For specific operation steps, refer to Section 5.4: How to Edit Internal Variable Data.

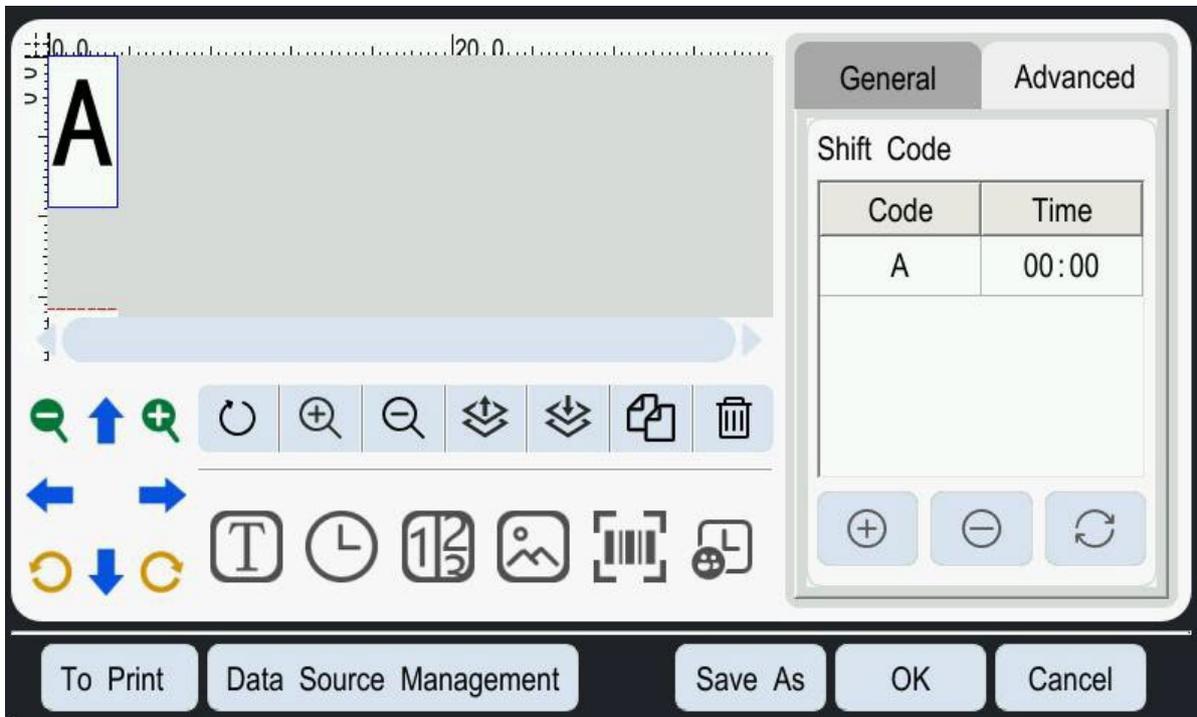


Figure 5-10: Shift Code Editing Interface

2. In the General interface, you can adjust the position, rotation angle, and other properties of the shift code.
3. In the Advanced interface, click the red box to enter the content and set the time.

Shift Code Button Descriptions

Button	Description
⊕	Add a shift
⊖	Delete a shift
↻	Reset the shifts
Set Time	Set the shift times

5.3 How to Edit External Variable Data

This chapter describes how to edit external variable data information. In Section 5.2, in the Advanced options of the "Text" and "Barcode" property areas, there is an "External Data" button. Click this button to turn it blue and activate the external data function.

In Section 5.2, in the Advanced options of the "Text" and "Barcode" property areas, there is an "External Data" button **Data Source Management**. Click this button to turn it blue and activate the external data function.

The source of variable information can be either:

- Data imported through a USB drive
- Real-time data scanned by the scanner module

5.3.1 USB Drive (U disk) Data

1. When you select USB drive to import data, click Select File **File** and then click the Load **Load File** button to enter the preview interface, as shown in Figure 5-12. Select the file to print and click the Confirm button **OK**.

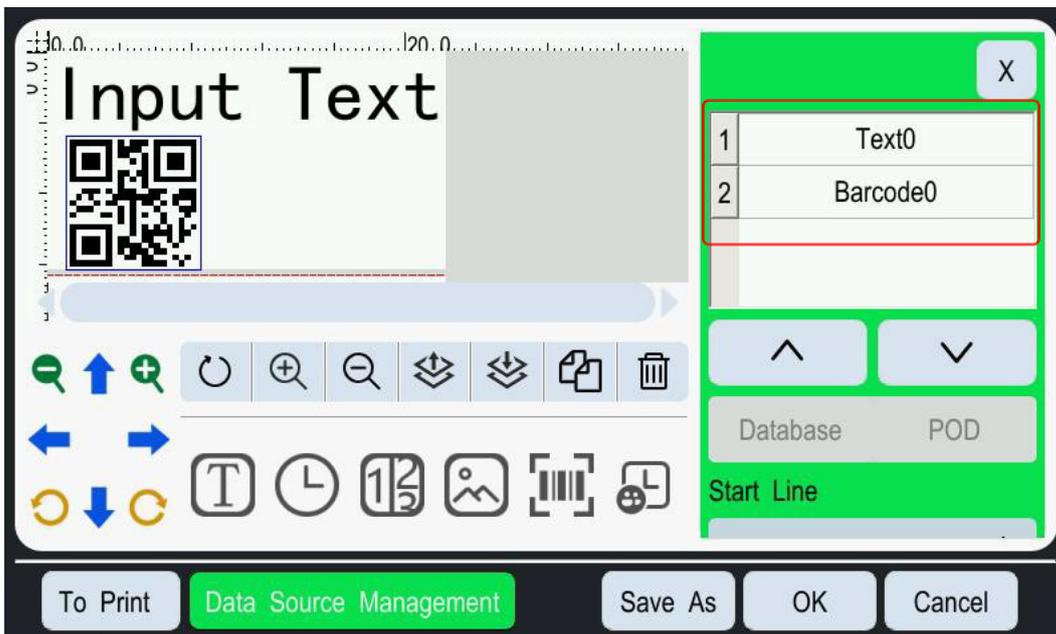


Figure 5-11 External data management interface

Data Setup Buttons

Button	Description
	Move the actual print content backward by one column.
	Move the actual print content forward by one column.
Stop Print	Stop printing when the data reaches the set end line.
Repeat	When data reaches the set end line, restart from the beginning and print in a loop.

2. Load one line of data to print each time until the end of the file. Set the "Start Line," "End Line," and "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 items is less than or greater than the number of data columns in the Excel table.

- Note: This function only supports Excel tables in XLSX format.

4. The first time an Excel file is loaded on the device, it takes longer (approximately 17 seconds for 100,000 rows 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 starts.



Figure 5-12: File Preview Interface

5.3.2 Scanner Module

1. To print the real-time content scanned by the scanner, create a text or barcode item, click External Data , save the file, and load it.

2. Click the Settings button  on the main interface. The system enters the settings interface. In the Configuration Management interface, there is a "Scanner" button. Click this button to turn it blue to activate the scanner function. When you return to the main interface, a beep sound indicates 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 "beep" sound indicates a successful scan.

- **Note:** If the device is currently idle, click the "Start" button to enter print mode. Place the device on the object you want to print, then drag it to the right to complete the print.

Scanner Settings

Clear Cache: If you need to print other data, clear the cache in the device; otherwise, you will print the cached data (the last scanned 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 updates the data upon re-scanning. The current print content is based on the last scanned data.
- b. When the cache quantity is **greater than or equal to 2**, multiple variable data items 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. In Section 5.2, in the Advanced options of the "Barcode" property area, there is an "Internal Data" button. Click this button to turn it blue and activate the internal data function.

As shown in Figure 5-13, for example, if you need to print a QR code with the content

"**ABC2025/01/21000000**," first generate the text, time, and serial number items:

- Text content: "**ABC**"
- Time format: "**yyyy/MM/dd**"
- Serial number: **6 digits**

Next, generate the QR code item by clicking the Internal Data button and selecting Text0, Time0, and SN0 in the drop-down list.

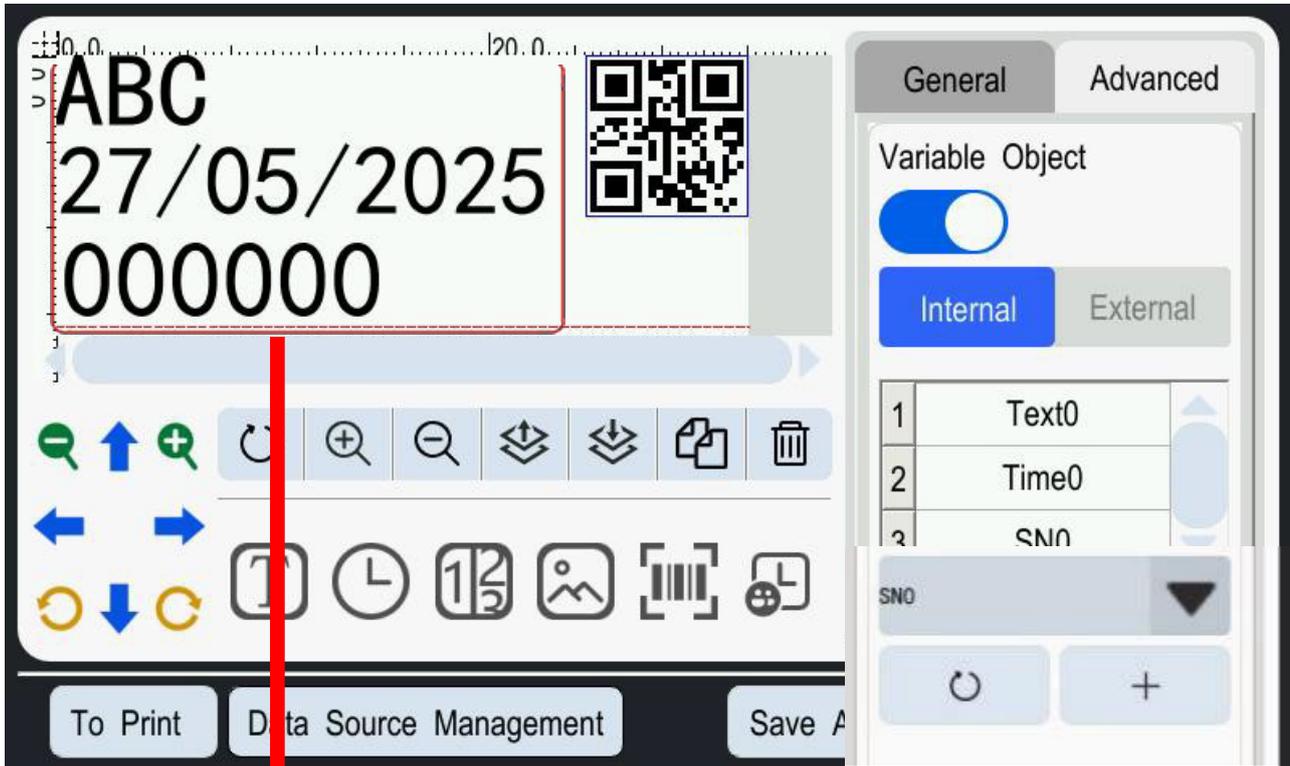


Figure 5-13: Internal Data Management Interface

1. If you do not need to print certain content, you can set the font size to 0 to achieve the effect of printing only the QR code.

- If the font size is set to 0, the printed content cannot be modified later.

⤴: Move the actual print content forward

⤵: Move the actual print content backward.

X: Delete the selected item.

+: Add the item selected in the drop-down list.

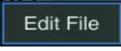
5.5 How to Edit a Saved Print File

This chapter describes two methods for editing a saved print file:

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 File Management button  on the main interface. The system enters the file loading interface, as shown in Figure 5-14.

2. Select the file to edit from the file list and click the Edit button . The system enters the file editing interface.

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

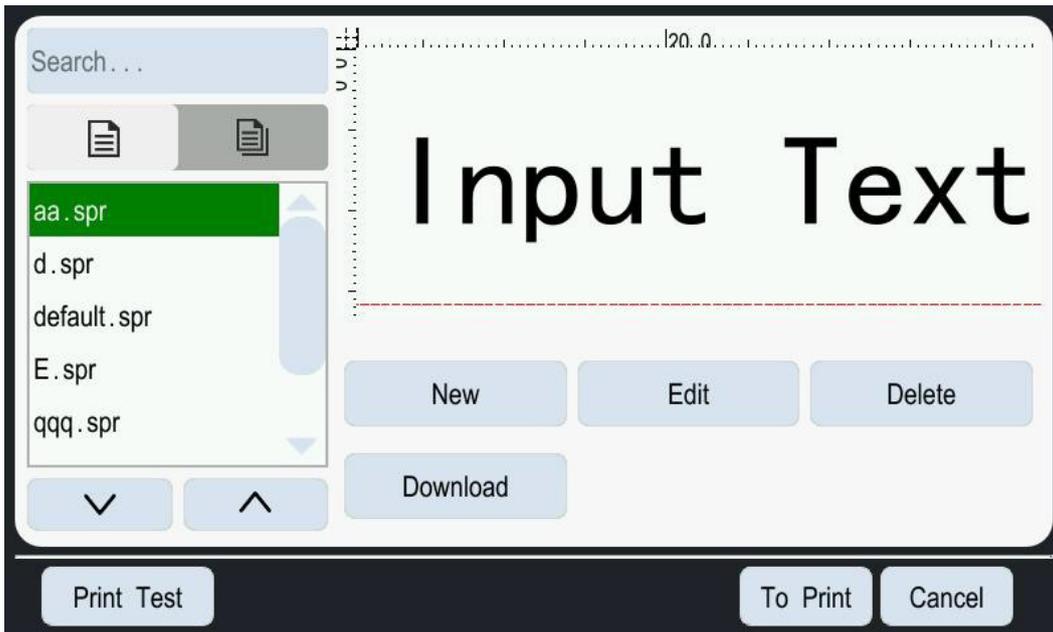


Figure 5-14: Load File Interface

5.5.2 Click the "Edit" Button on the Main Interface

1. On the main interface, click the Edit Current File button  to enter the file editing interface, as shown in Figure 5-15.

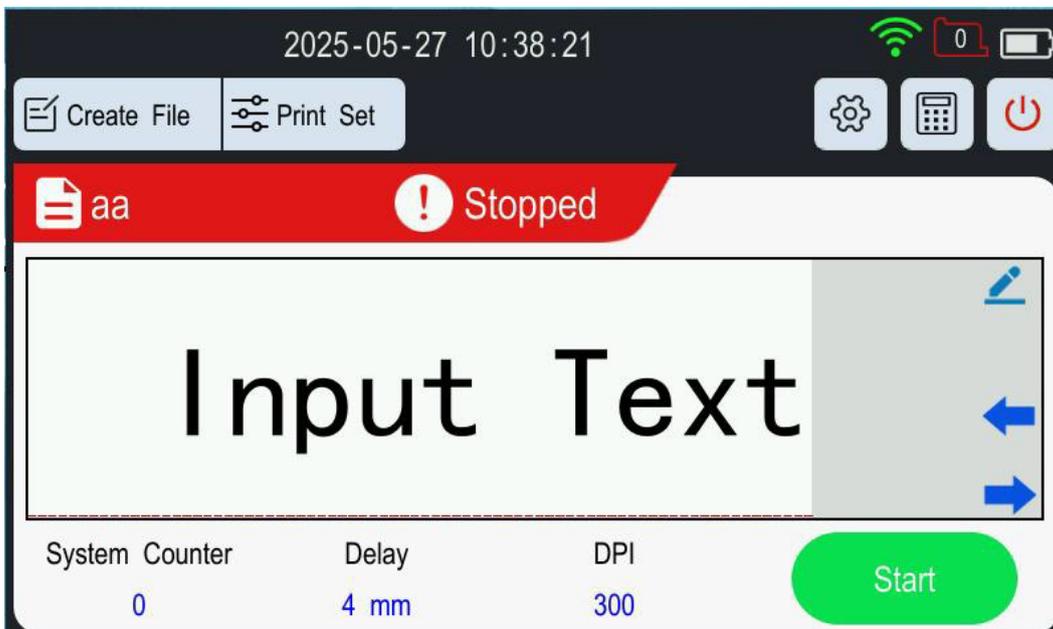


Figure 5-15: Main Interface

2. The selected information in the preview area can be edited and modified. After modification is complete, click the “OK” button **OK** 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

Deleting Files

The file loading interface is shown in Figure 5-16. After selecting a file, click the Delete button **Delete** to delete the selected file.

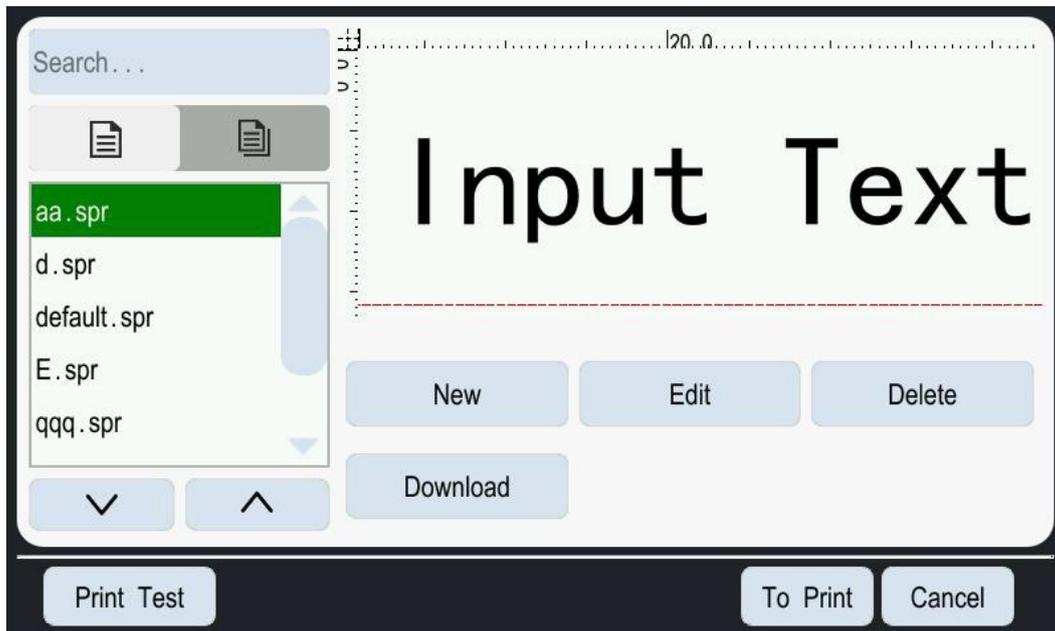


Figure 5-16 Load file interface

Copying Files

1. Find the file you want to copy in the file directory, then click the “**Copy to Local**” button **Copy to Local** to copy the file from the USB drive to the printer, and use the “**Copy to U Disk**” button **Copy to U Disk** to copy the file from the printer to the USB drive.
2. Use the “**Refresh**” button **Refresh** to update the U Disk file view after inserting a new USB drive or adding files. The download file interface is shown in Figure 5-17.

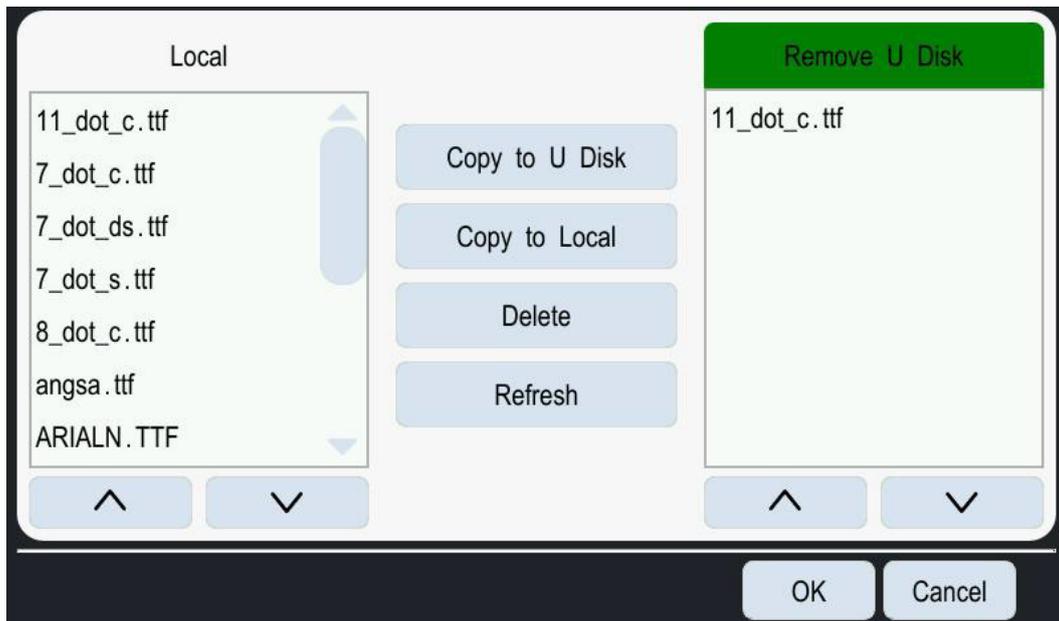


Figure 5-17: Download File Interface

Chapter 6: User Interface

6.1 Print Settings

Click the **Print Settings** button  **Print Settings** on the main screen to enter the print settings interface.

Print settings include three pages:

1. **Print Parameters**
2. **Nozzle Settings**
3. **Print Mode**

Note: Print parameters are saved with the file, and you can set separate print parameters for each print file.

6.1.1 Print Parameters

The print parameters interface is shown in Figure 6-1 and includes DPI and Spray Type.



Figure 6-1: Print Parameters Interface

Button	Description
DPI	The higher the DPI setting, the clearer the printed information, but the slower the printing speed.
Spray Type	<ol style="list-style-type: none">1. The HP ink cartridges used contain two columns of nozzles: Left spray 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 to switch the "Spray Type" periodically after extended use to better maintain the nozzle life.

6.1.2 Nozzle Settings

The nozzle settings interface is shown in Figure 6-2 and includes Print Direction, Grayscale, and Print Delay.

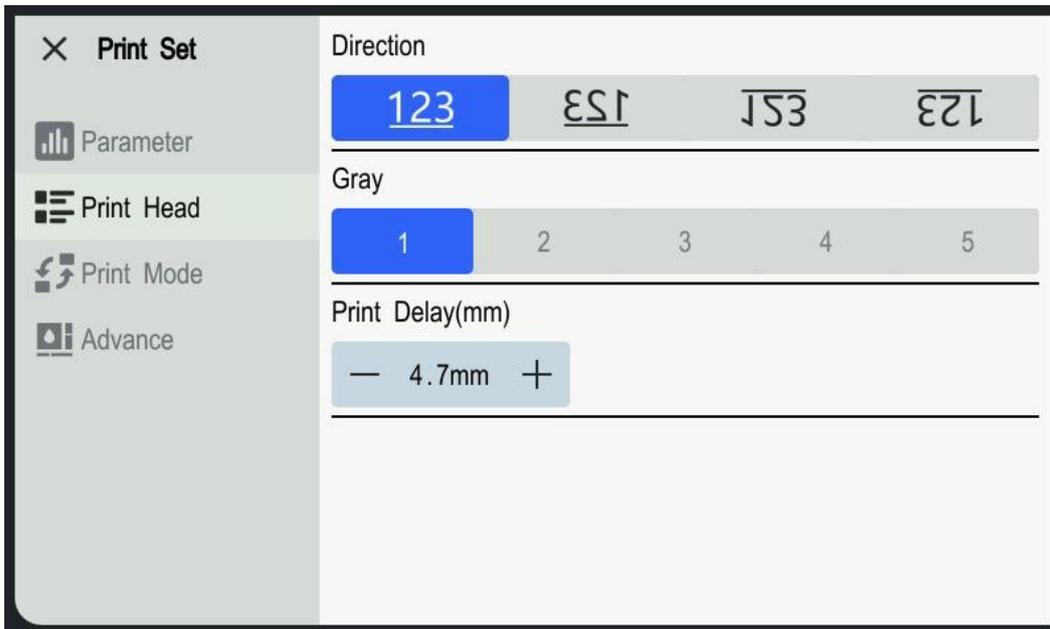


Figure 6-2: Nozzle Settings Interface

Button	Description
Print Direction	Set the printing direction.
Grayscale	The higher the grayscale setting, the darker the printed information, but the slower the printing speed.
Print Delay	Sets the distance from receiving the trigger signal to starting to print. The larger the value, the farther the distance.

6.1.3 Print Mode

The print mode interface is shown in Figure 6-3 and includes the Trigger Mode and Printing Speed.

- You can choose different trigger methods according to your needs:
 - If continuous printing is needed without a trigger signal, select "Automatic Printing" as the trigger mode.
 - If you need to use the handle switch, or trigger, to activate and position the print, select "Key Trigger" as the trigger mode.
- 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 detect the dragging speed of the handheld device and automatically adjust the printing speed. When the encoder is not enabled, the printing speed must be adjusted manually to ensure the print does not become distorted.

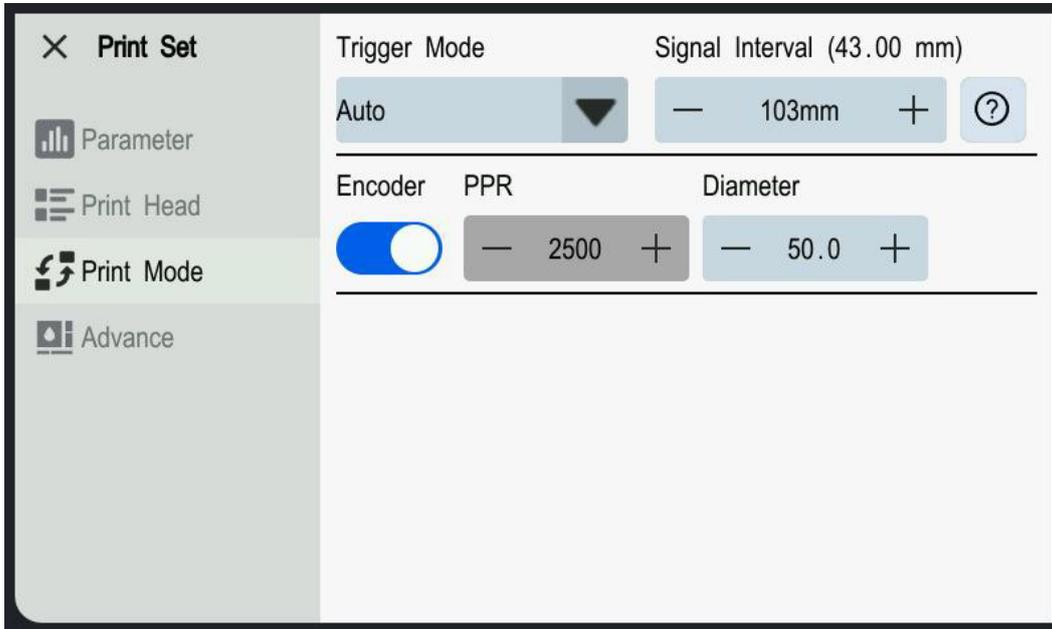


Figure 6-3: Print Mode Interface

Button	Description
Trigger Method	<ul style="list-style-type: none"> • Automatic Printing: Continuous printing without a trigger signal. The unit will continuously print if the encoder is not enabled. If the encoder is enabled the unit will only print when the encoder is activated. • Key Trigger: Signal is triggered by pressing the handle switch, or trigger. It is recommended to enable the encoder to ensure the print does not become distorted.
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 Speed	<ol style="list-style-type: none"> 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. <ol style="list-style-type: none"> a. If the entered parameter > actual production line speed, the printed content will be elongated. b. If the entered parameter < actual production line speed, the printed content will be shortened.
Encoder	<p>If the encoder is used, fill in the encoder parameters accurately to ensure the printed content does not become distorted.</p> <p>PPR: Enter the number of pulses of the encoder.</p> <p>Diameter (mm): Enter the diameter of the synchronous wheel.</p>

6.2 Settings

Click the Settings button  on the main screen to enter the settings interface.

Settings consist of four screens:

- Configuration Management
- Custom Date
- System Language
- About

6.2.1 Configuration Management

The configuration management interface is shown in Figure 6-4.

- **Important:** The print voltage and print pulse width cannot be modified while in print mode.

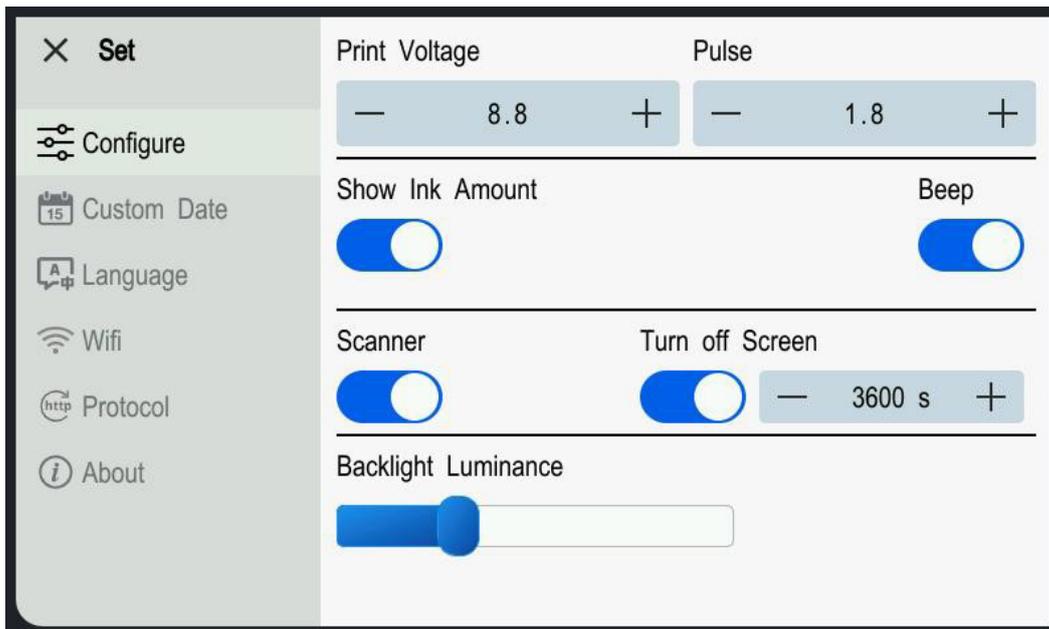


Figure 6-4: Configuration Management Interface

Button	Description
Print Voltage	Sets the working voltage used for the ink cartridge nozzle (depending on the ink cartridge specifications).
Pulse	Sets the printing pulse width used for the ink cartridge nozzle (depending on the ink cartridge specifications).
Show Ink Amount	Click to enable. The main screen shows the remaining ink quantity; otherwise, it does not display.
Beep	Each time a key is pressed, the buzzer emits a "beep" sound.
Scanner	Click to enable. When you return to the main screen, a beep will be emitted. Refer to Section 5.3.2 for specific usage.
Turn Off Screen	Click to enable and set the value to 10 seconds. After 10 seconds of inactivity, the screen turns off. Click any position on the screen to turn it back on.
Backlight Luminance	Sets the backlight brightness of the screen, adjustable from 1 to 8. Drag left or right to set the brightness according to your needs.

6.2.2 Custom Date

The custom date interface is shown in Figure 6-5. You can define "weeks" and "months" according to your needs, so they are displayed as desired. **See Appendix 1 for details.**

Time Offset: The maximum setting is ± 23 hours. The system time plus the set time offset value equals the time when a new day is updated.

Example: If the time offset is set to 6 hours, the system will update to a new day's date at 06:00.

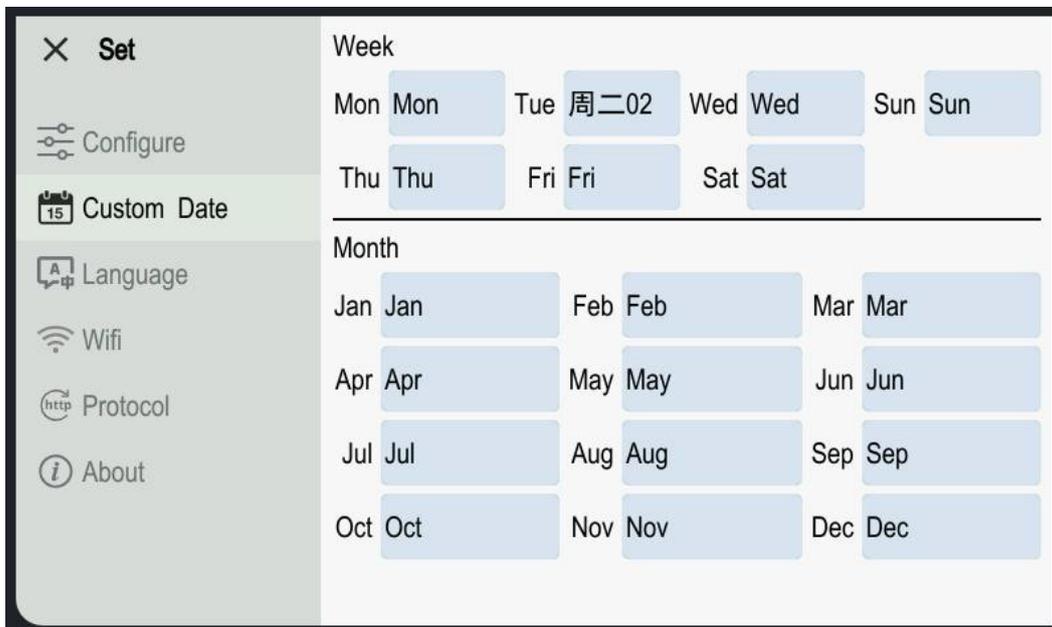


Figure 6-5: Custom Date Interface

6.2.3 System Language

The system language interface 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.

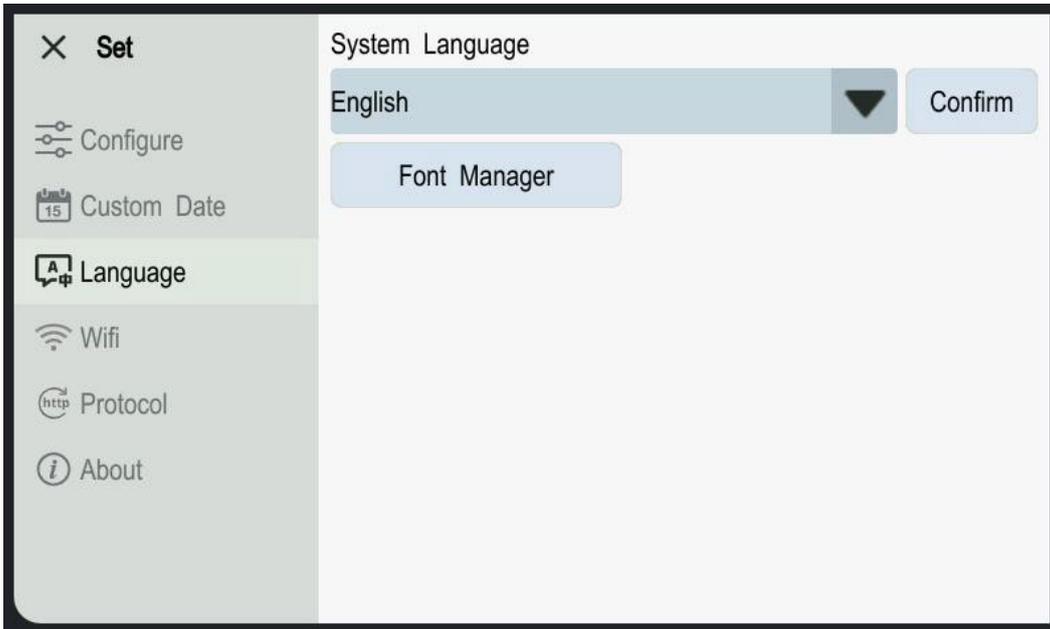
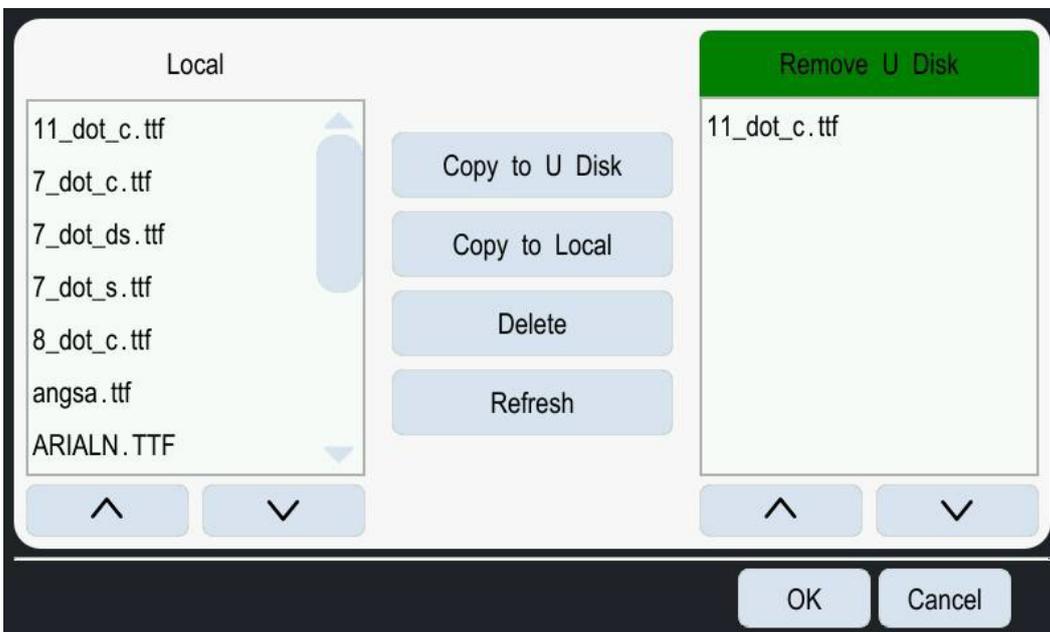


Figure 6-6: System Language Interface

Font Management: You can use a USB drive to copy the required fonts to the device and select the font when editing information. You can also copy fonts from the device to a USB drive.

Note: The system recognizes .TTC and .TTF font formats.



6.3 Counter Settings

Click the Counter Settings button  on the main interface to enter the counter settings interface, which includes Counter Settings and Print Count, as shown in Figure 6-7.

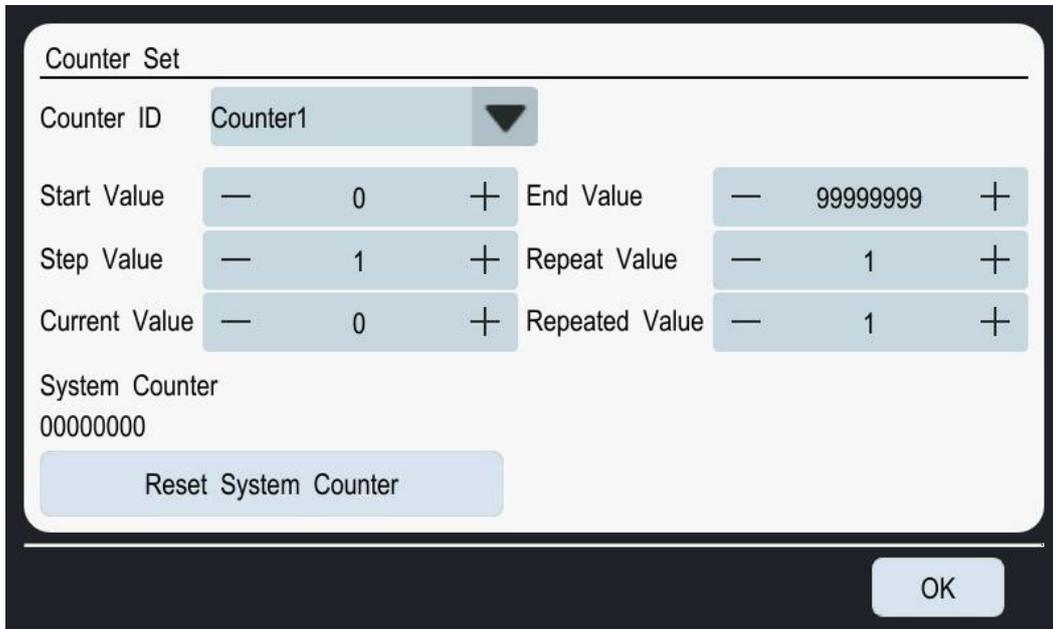


Figure 6-7: Counter Settings

Button	Description
Start Value End Value	Define the range of change for the counter. When the counter reaches the <u>End Value</u> , it automatically returns to the <u>Start Value</u> for printing.
Step Value	The increment value of the counter. Negative values can be set.
Current Value	The value that the counter currently needs to print.
Repeat Value	Sets the number of times each data item is printed.
Repeated Value	When Repetition Count > 1, this takes effect and records the number of times the data has been printed.
Reset System Counter	Resets the print count on the main interface to zero.

6.3.1 Decreasing Counter

You can print a countdown sequence number.

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 start value to 100, it will restart from 100 and print in a loop.

Appendix 1: Custom Date Formats

Code	Description
d	Day number without leading zeros (1 to 31)
dd	Day number with leading zeros (01 to 31)
ddd	Abbreviated weekday names (e.g., "Mon" to "Sun")
dddd	Full weekday names (e.g., "Monday" to "Sunday")
M	Month number without leading zeros (1-12)
MM	Month number with leading zeros (01-12)
MMM	Abbreviated month names (e.g., "Jan" to "Dec")
MMMM	Full month names (e.g., "January" to "December")
yy	Two-digit year (00-99)
yyyy	Four-digit year
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, when using AM/PM display)
HH	Hours with leading zeros (00 to 23, when using AM/PM display)
m	Minutes without leading zeros (0 to 59)
mm	Minutes with leading zeros (00 to 59)
s	Seconds without leading zeros (0 to 59)
ss	Seconds with leading zeros (00 to 59)
AP /ap /A /a	Time expressed in AM/PM. Must be "AM" or "PM," case insensitive.
JD	Day of the year
JW	Week of the year
Custom Date Codes (User Defined / Programmable)	
ND	Day of the week: Sun, Mon, Tue, Wed, Thu, Fri, Sat
NN	Day of the week number: 01, 02, 03, 04, 05, 06, 07
NO	Day of the week letter: A, B, C, D, E, F, G
NR	Month of the year: Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec

Example: Editing Custom Time

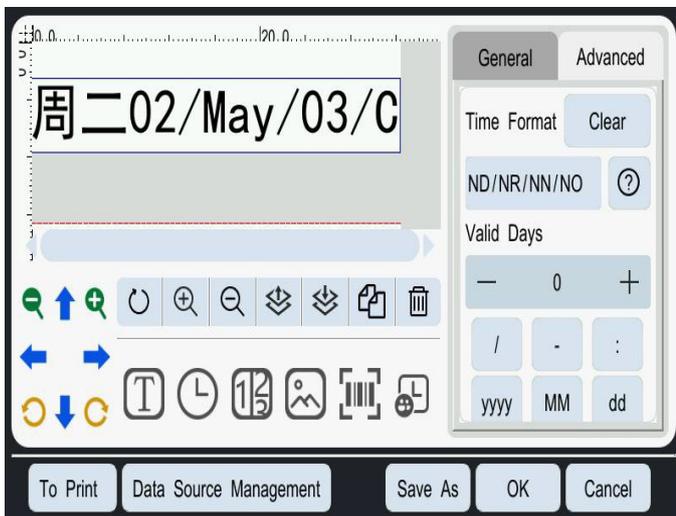
1. Step 1: Access Custom Date Settings

- Navigate to: Settings → Custom Date



2. Edit Time Format

- Click the "Clear" button to begin editing the date format you want.
- Example Format Codes:



Desired Output	Format Code
2025/01/21	yyyy/MM/dd
Jan 21, 2025	MMM dd, yyyy
21-01-2025	dd-MM-yyyy
Monday, January 21, 2025	dddd, MMMM dd, yyyy
14:30:45	HH:mm:ss
2:30 PM	h:mm AP
Day 021 of 2025	Day JD of yyyy
Week 03	Week JW

End of Manual

Document Information

Product: T9 Handheld Inkjet Printer

Manual Version: 1.1

Publication Date: February 2026

Copyright: All rights reserved

For technical support, please contact your authorized distributor or manufacturer.