

SPECIFICATION

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1 Document Introduction

This document describes the product specifications and corresponding supporting instructions.

1.1 Document Purpose

A narrative used to standardize the product itself and its supporting facilities, providing guidance for product packaging, promotion, and sales.

1.2 Document range

This document is applicable to the product department, marketing department, pre-sales and after-sales support, testing department, and business department.

1.3 Target audience

Members of the aforementioned departments, as well as agents and customer groups.

1.4 Instructions for Use

Our company shall not be responsible for any losses caused by the use of the information in this manual. Our company and its subsidiaries shall not be legally liable for any damages, losses, expenses or expenses caused by unauthorized modifications, repairs or modifications made to the product by users or third parties.

Note: Due to continuous improvement of the product, the specifications and accessories mentioned in the document should be based on actual machines. Any changes are subject to no further notice.

2 Product Introduction

Product Name : Industrial Barcode Printer

- Product Model : XP-G480B / XP-G480E Product Features :
- 8 inch / s (203 dpi) / 8 inch / s (300 dpi) high-speed printing (speed has a certain influence on the printing effect)
- Supports printing concentration adjustment
- Paper warehouse design
- Support 600 meters carbon belt

3 Product Application

Applied to logistics, warehousing, medical treatment, supermarkets, and express delivery

4 Product Display

4.1 Packaging

Size of large outer box	Packing	Packaging material	Fill material
580*335*365mm	1	B single pit corrugated cardboard	Pearl cotton

4.2 Accessories display

Standard parts



Printer



power line



USB line



user's manual

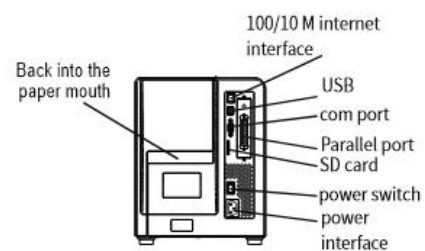
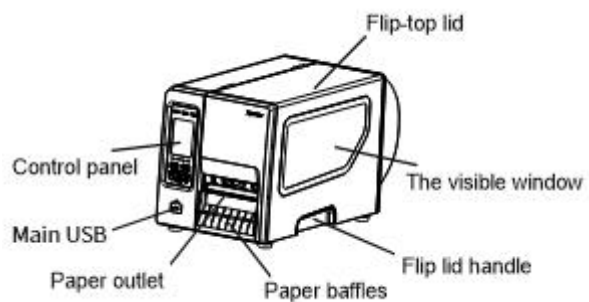
Optional



4.3 Physical appearance display



4.4 Internal component display



5 Product Technical Parameters

Printer Model		
Items	XP-G480B	XP-G480E
Resolution ratio	203 DPI	300 DPI
Printing style	Thermal transfer printing and direct thermal sensitivity	Thermal transfer printing and direct thermal sensitivity
Print speed	200 mm (8") / s	200mm (8") / s
Max print width	108mm (4.25")	106mm (4.17")
Max print length	1778 mm (70")	889 mm (35")
Casing	Plastic, metal	
Overall dimensions	257 (D) *504 (W) *297 (H) mm	
weight	11KG	
Label volume capacity	203 mm (8") outside diameter	
MCU	32-bit processor	
Memory	128MB Flash Memory	
	128MB SDRAM	
	Equipped with TF card slot, MicroSD flash memory card reader can be installed, and the memory can be Expanded memory to 4GB	
RTC function	standard configuration	

Motor		Single motor
Interface	Default	USB \Serial port \ network port
	Option	Parallel port \ WiFi \ Bluetooth
POWER		built-in power supply
		INPUT: AC 100-240V 2.5A, 50-60Hz
Operating switches, buttons, LED		Standard model
		3 status lights, 6 buttons, 1 3.5-inch color display
Sensor		Gap sensor, cover opening sensor, black label sensor, paper output sensor
Media Type		Continuous paper, gap paper, folding paper, black label paper
Type of medium winding		Out-roll / In-roll type
Media width		20 ~ 120mm (0.78" ~ 4.7")
Media thickness		0.06 ~ 0.254 mm (2.36 ~ 10 mil)
Medium core diameter		25.4 ~ 38 mm (1" ~ 1.5")
Carbon belt		600M
Carbon band width		110MM
Label length		10 ~ 2286 mm (0.39" ~ 90")
Split mode		null
Clear height		Min. 2 mm
Black Height		Min. 2 mm

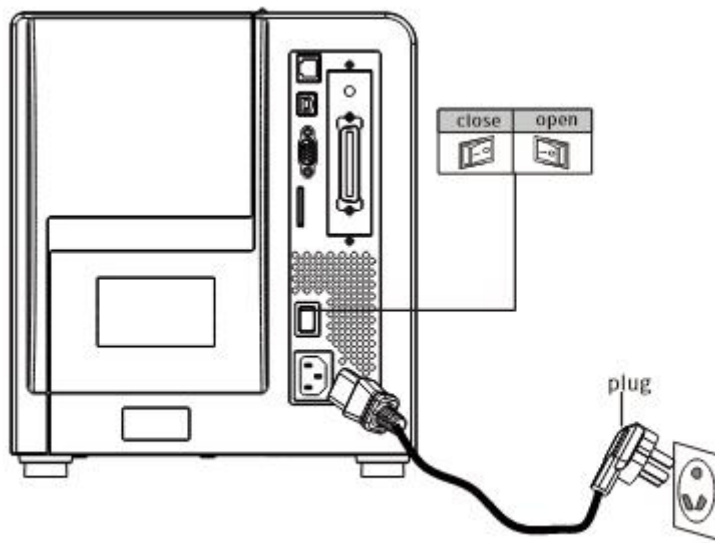
Deviation of printed output	vertical: 1 mm max.
	level: 1 mm max.
Built-in font	Eight bitmap fonts / Windows fonts can be downloaded through software
Code	Codepage 437 (English - US) Codepage 737 (Greek) Codepage 850 (Latin-1) Codepage 855 (Cyrillic) Codepage 857 (Turkish) Codepage 860 (Portuguese) Codepage 861 (Icelandic) Codepage 862 (Hebrew) Codepage 863 (French Canadian) Codepage 864 (Arabic) Codepage 865 (Nordic) Codepage 866 (Russian) Codepage 869 (Greek 2) Codepage 950 (Traditional Chinese) Codepage 936 (Simplified Chinese) Codepage 932 (Japanese) Codepage 949 (Korean) Codepage 1250 (Latin-2) Codepage 1251 (Cyrillic) Codepage 1252 (Latin-1) Codepage 1253 (Greek) Codepage 1254 (Turkish) Codepage 1255 (Hebrew) Codepage 1256 (Arabic) Codepage 1257 (Baltic) Codepage 1258 (Vietnam) ISO-8859-1: Latin-1 (Western European) ISO-8859-2: Latin-2 (Central European) ISO-8859-3: Latin-3 (South European) ISO-8859-4: Latin-4 (North European) ISO-8859-5: Cyrillic ISO-8859-6: Arabic ISO-8859-7: Greek ISO-8859-7: Hebrew ISO-8859-9: Turkish ISO-8859-10: Nordic ISO-8859-15: Latin-9 UTF-8
2d barcode	2D bar code: PDF-417, Maxicode, DataMatrix, QR code, Aztec
barcode	1D bar code: Code 39, Code 93, Code 128UCC, Code 128 subsets A, B, C, Codabar, Interleaved 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China POST, GS1 DataBar, Code 11
Font and barcode rotation	0°、90°、180°、270°
Instruction set	TSPL、EPL、ZPL、DPL
Ambient condition	operation condition: 5 ~ 40° C (41~104° F) , Humidity (non condensing) :25 ~ 85%
	Storage conditions: -40 ~ 60° C (-40~140° F) , Humidity (non condensing):10 ~ 90%
Safety regulations	FCC、CE、CCC、CB
Accessory	①Windows Volume Label Editing Software, Drivers and Operating Manuals CD-ROM;

	②User manual;
	③USB data line;
	④Power line;
	⑤Random paper
	⑥Carbon belt
Reliability	Printer one year
	Printing head 30 kilometers or one year first
Factory selection	①Cutting knife;
	②Peel off;
	③Bluetooth module;
	④WiFi
	⑤parallel
Distributor selection	None
User selection	None
Feature	Large angle open cover design can be easily installed consumables
	The carbon belt capacity is 600 m.
	Support 8-inch outer diameter label scroll bar
	Supports a maximum label width of 120 mm
	Aluminum alloy casting printing mechanism module
	Memory of 128MB flash memory and 128MB SDRAM

6 Product Installation

6.1 Installing Printer

- (1) Please place the printer on a stable surface and confirm that the power is turned off.
- (2) Connect the connectors at both ends of the USB data cable to the printer and computer host respectively.
- (3) Plug the power cord into the power socket at the back of the printer and plug the other end into the AC socket.

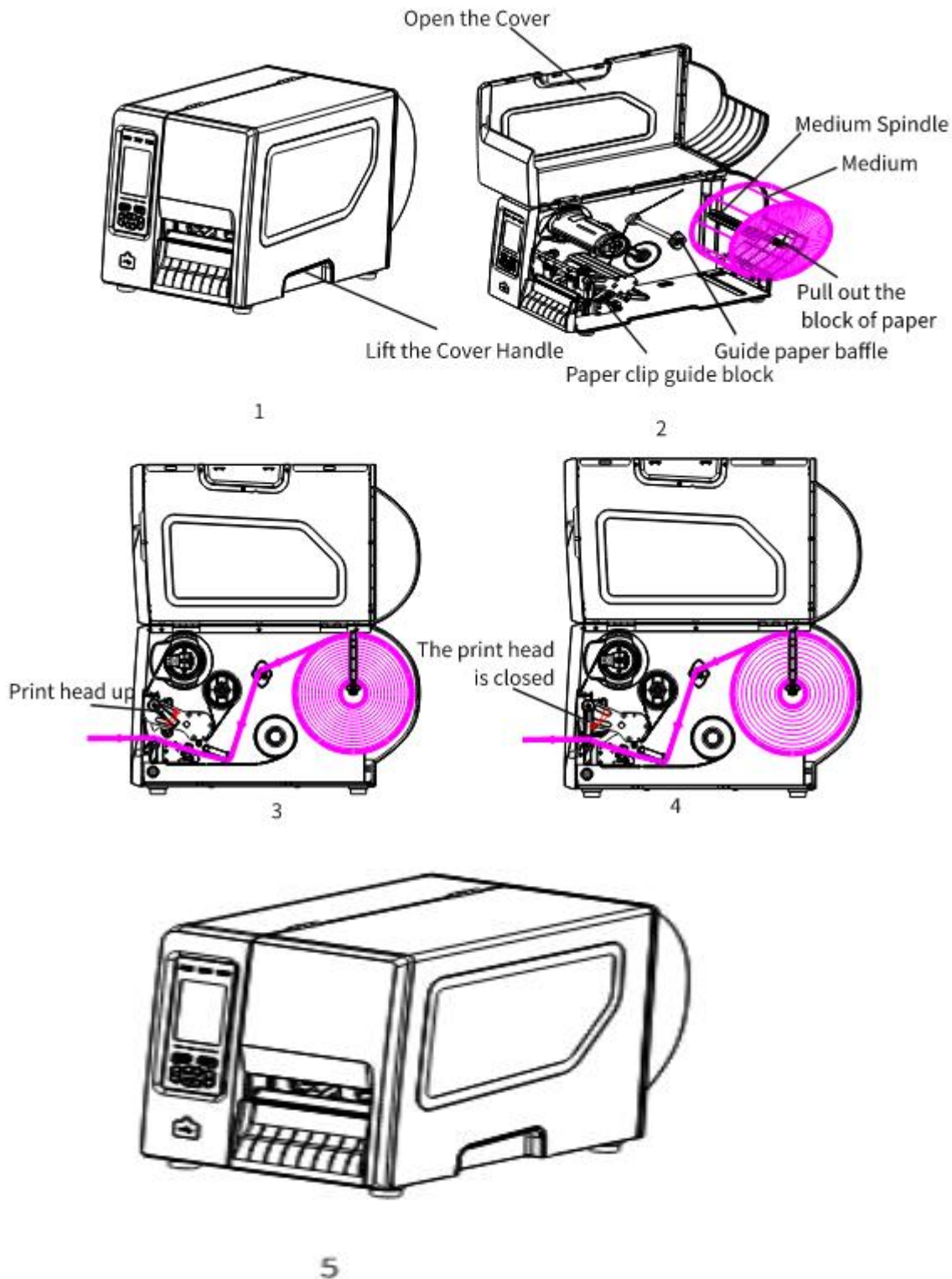


Note:

- * Please turn off the power switch of the printer and insert the power cord into the printer's power slot;
- * The interface of printer in the picture may vary depending on the type of model you purchased. Please refer to the product catalog specifications for the actual transmission interface.

6.2 Install paper

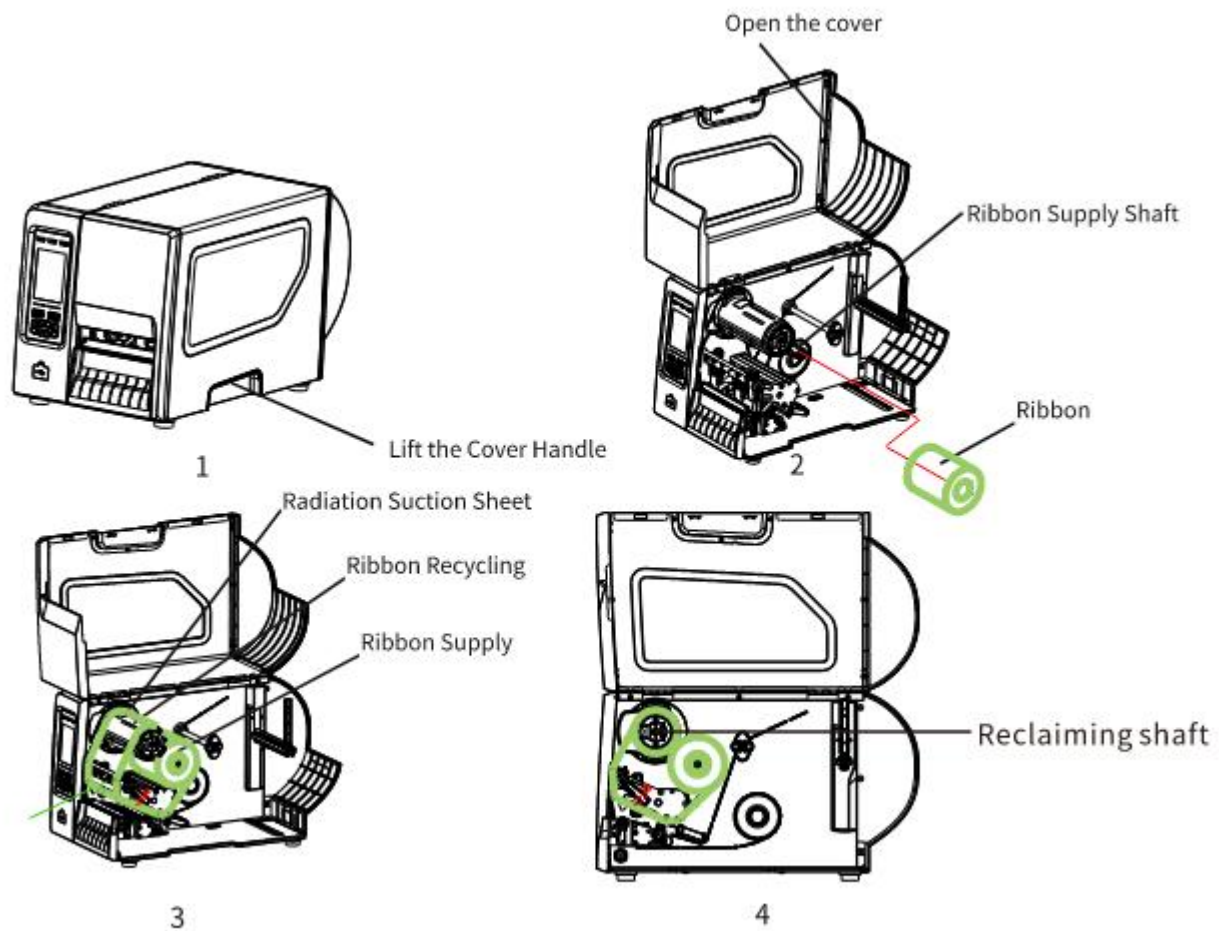
1. Lift the cover handle as shown in the picture.
2. Pull out the paper block to load the paper roll into the medium spindle and lift the paper block to block the paper roll.
3. Lift the print head and thread the paper roll through the print head as indicated by the arrow.
4. Close the print head switch.
5. Close the printer housing.



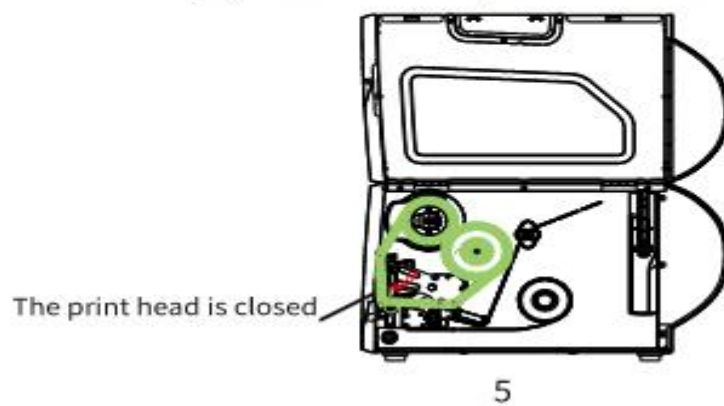
6.2 Install carbon belt

- (1). Open the printer housing as shown in the picture.
- (2). Install the ribbon into the ribbon supply shaft.
- (3). Raise the print head and stick the ribbon around the ribbon recycling spokes according to the picture.
- (4). Rotating the ribbon on the recovery shaft several times to prevent shedding.

(5). Close the print head and close the lid.



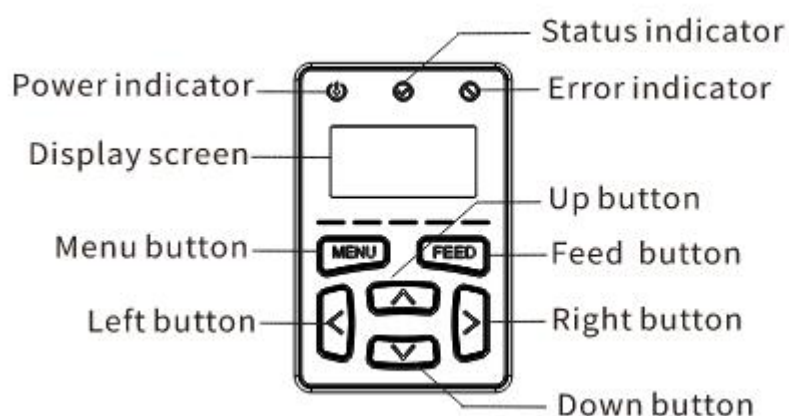
(5). Turn off the print head and close the lid.



7 Product Interaction

This printer has six buttons and three indicator lights. Pressing buttons or turning on the power switch can activate multiple functions of the printer,

For example: feeding paper, pausing printer operation, printing self check pages, etc., please refer to the following introduction.



7.1 LED indicator light

LED indicator light status	Explanation
POWER green light is always bright, ERROR red light flashing	Printer is short of paper
POWER green light is always bright, ERROR red light flashing	Printer overheated
POWER lamp green light is always bright, READY lamp green light flashing	Printer paused
POWER green light is always bright, READY red light flashing	Printer power on for normal state
POWER light green light is always bright, ERROR light red light is always bright	Printer open cover

7.2 Function of push button

7.2.1 Form feed

When the printer is ready (standby state), click the feed button, will advance to the front of the next label paper.

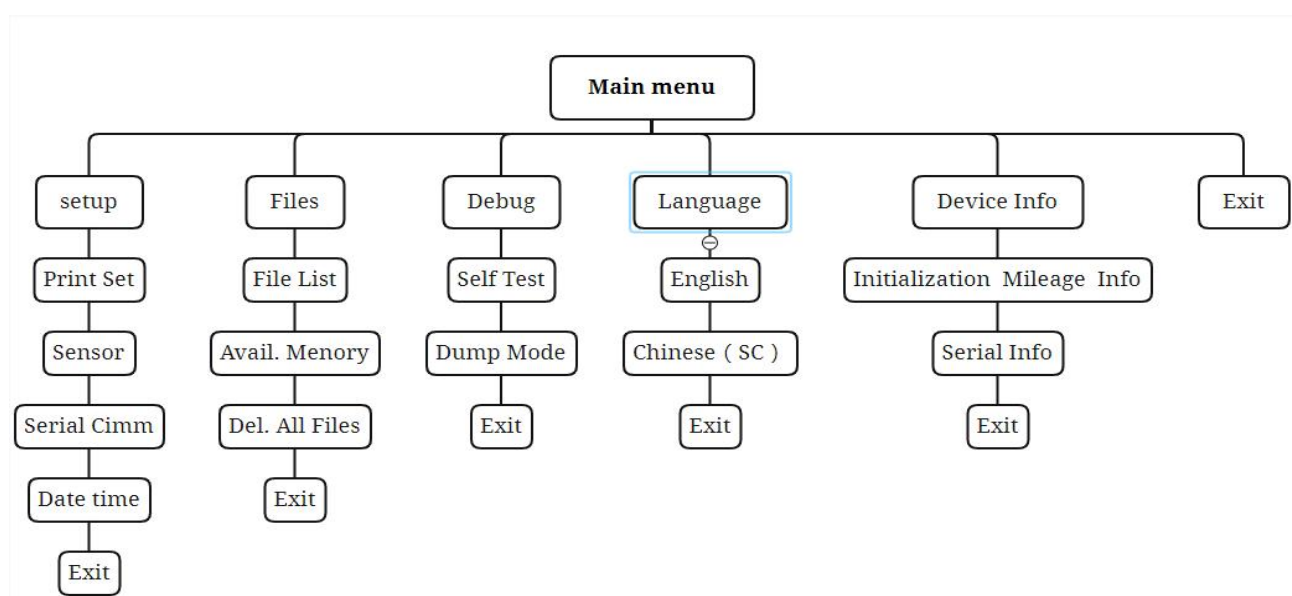
7.2.2 Printing job suspended

When the printer is printing, clicking the paper button will make the printing pause. At this time, the state indicator is flashing. As long as you click the button again, the print job will return to normal.

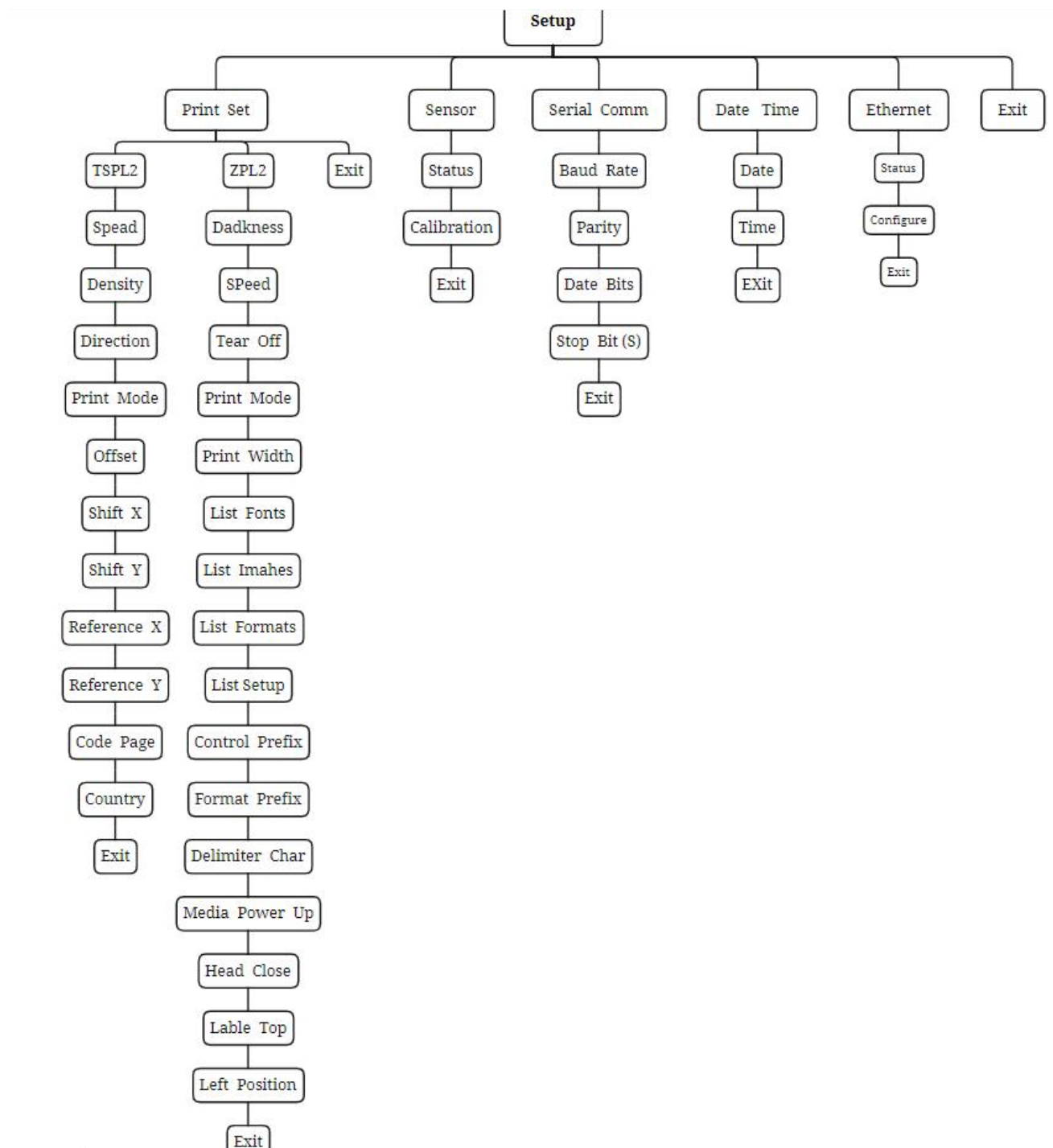
8. LCD operating panel

This printer has an LCD display screen and six buttons: menu, feed, up, down, left, and right buttons. The menu and feed buttons change their functions to return and confirm after entering the menu.

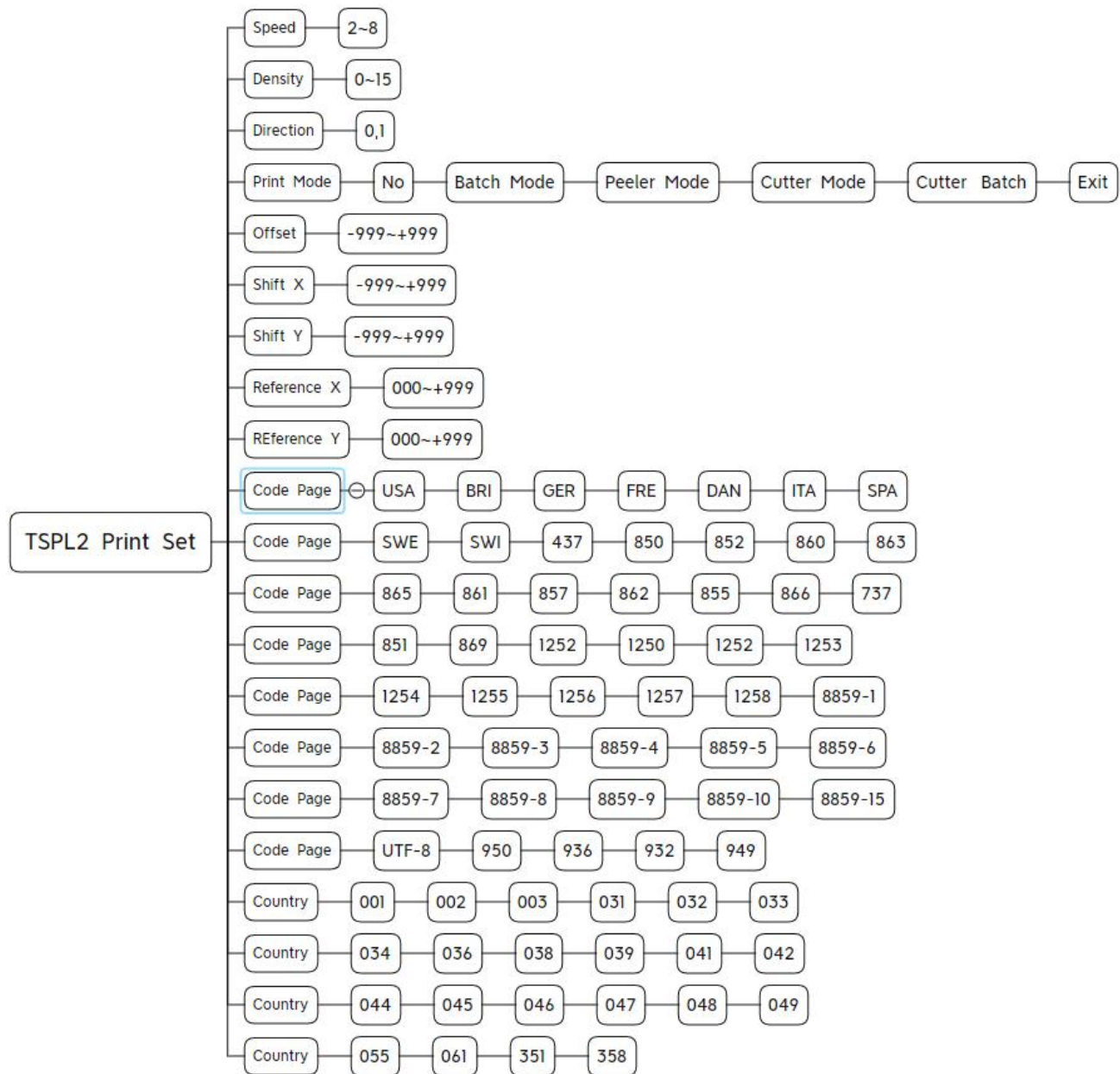
8.1 Main menu function table



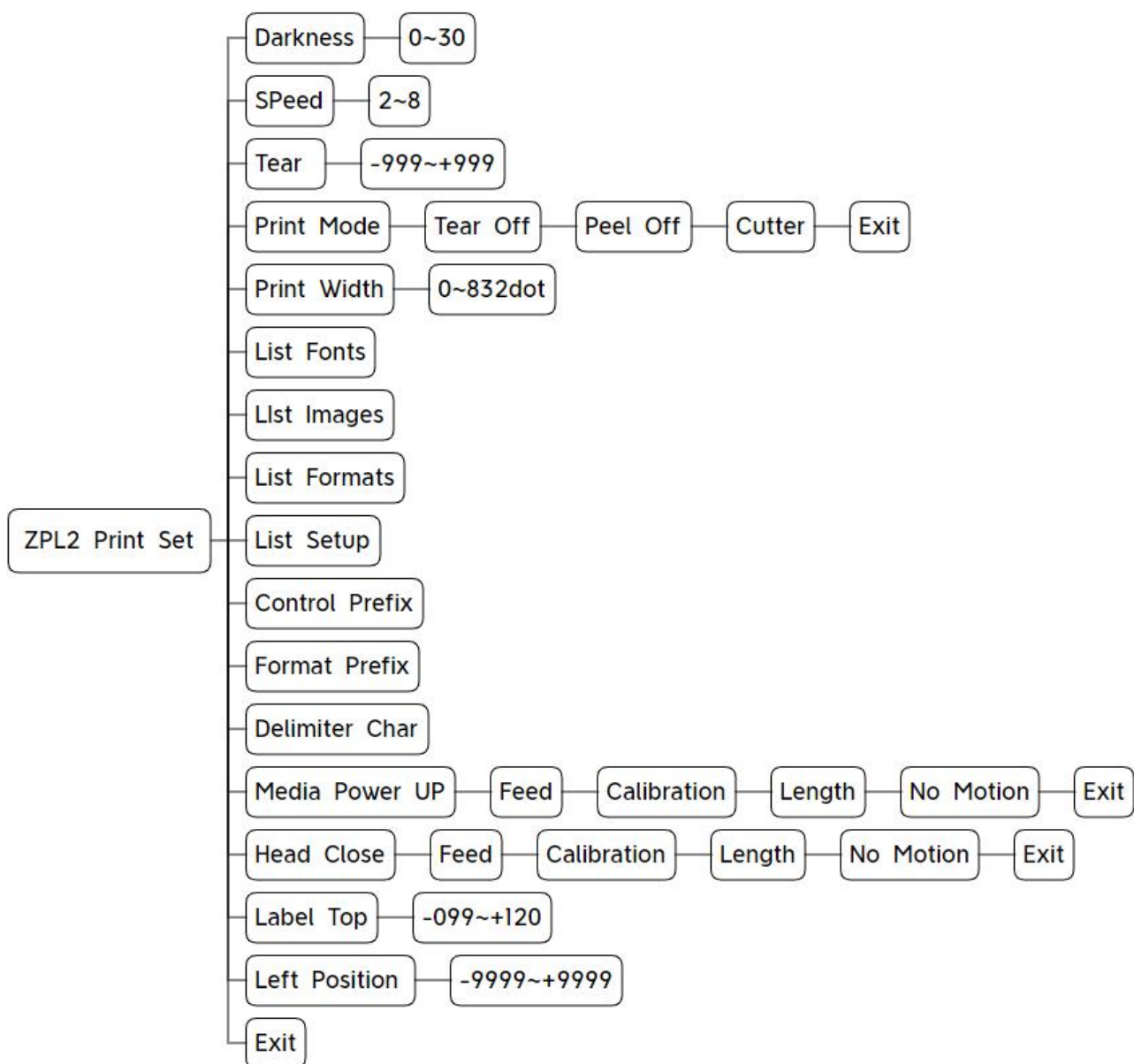
8.2 Setup



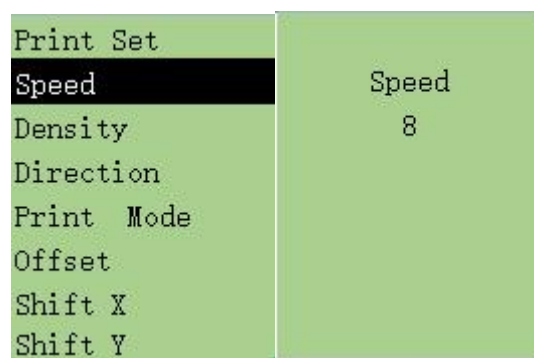
8.2.1 TSPL2 Setup



8.2.2 ZPL2 Setup



8.2.1- 1.1 Printing speed setting



Use this option to set the printing speed of the printer。 Adjustment range 2 ~ 8 ips, The spacing between each increase and decrease is 1 ips。

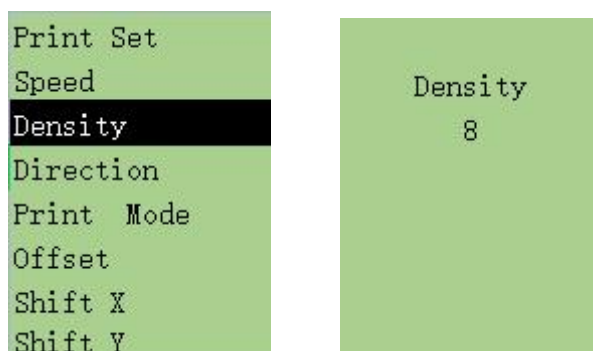
Press up button, increase numerical value;

Press down button, decrease numerical value;

Press feed button, Determinable settings;

Press menu button, To cancel setting and range to the upper menu;

8.2.1 - 1.2 Printing density setting



Use this option to set the printer's printing density。 Adjustment range 0 ~ 15, Each increase or decrease interval is 1;

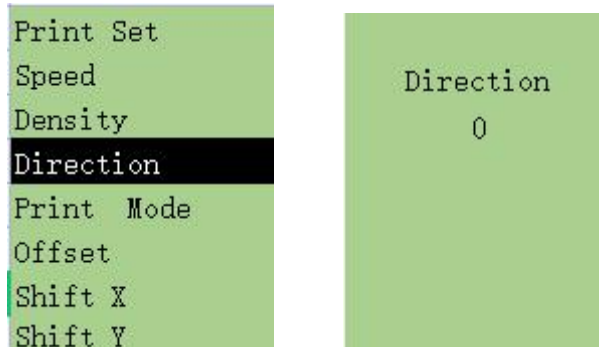
Press up button, increase numerical value;

Press down button, decrease numerical value;

Press feed button, Determinable settings;

Press menu button, To cancel setting and range to the upper menu;

8.2.1 - 1.3 Printing direction



Use this option to set printing direction of the printer. Set printing direction to 1 or 0.

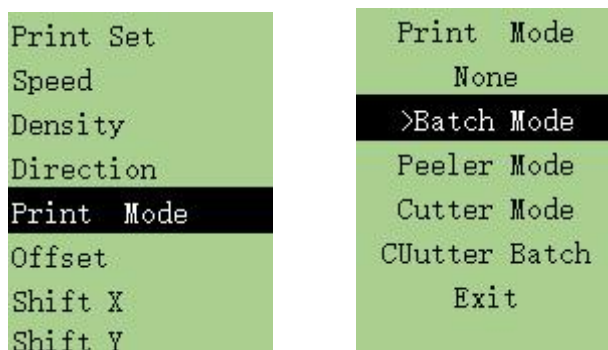
Press up button to adjust value to 1;

Press down button to adjust value to 0;

Press feed button, Determinable settings;

Press menu button, To cancel setting and range to the upper menu;

8.2.1 - 1.4 Print mode



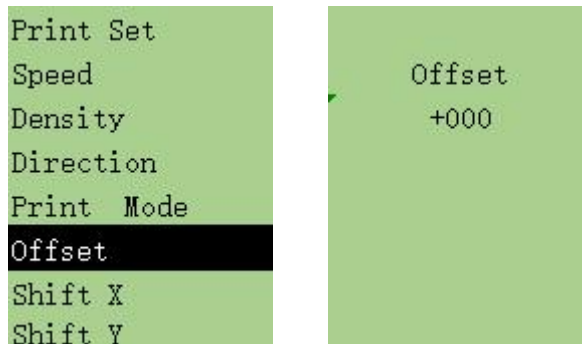
Use this option to set printer's paper output mode.

When entering this option, Here” >” figure refers to currently set mode;

Press feed button, Determinable settings;

Press menu button, To cancel setting and range to the upper menu;

8.2.1 - 1.5 Offset adjustment



This option can be used to adjust stop position of label paper after printing.

When using paper stripping or cutting function, it can be used to adjust position where the label stops, When printing next label, the part that was originally pushed out too much or too little will be compensated in a pulling manner;

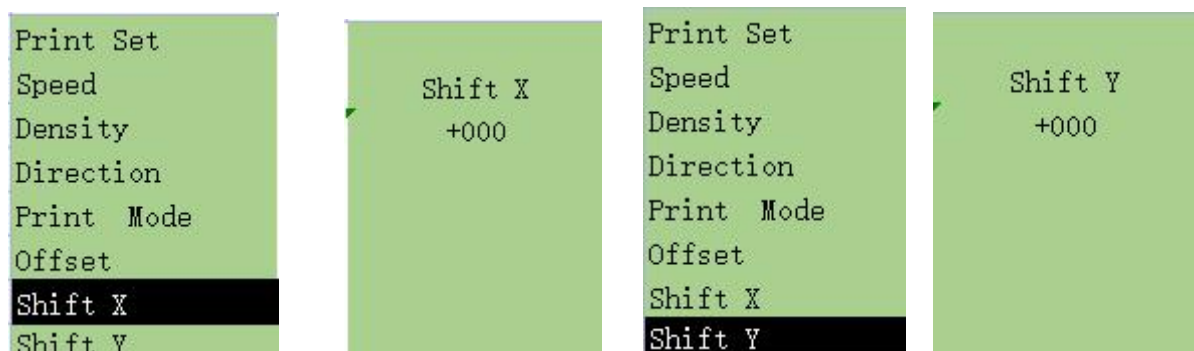
Press left and right buttons to move cursor left and right;

Press up/down buttons to set+- or 0-9 values;

Press feed button, Determinable settings;

Press menu button, To cancel setting and range to the upper menu;

8.2.1 - 1.6 X Print Line Adjustment Y Print Line Adjustment



Use this option to adjust label printing position and label stop position;

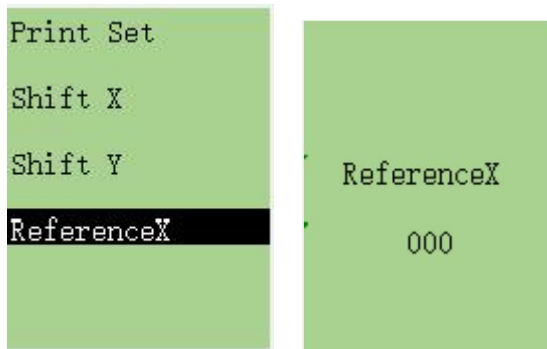
Press left and right buttons to move cursor left and right;

Press up/down buttons to set+- or 0-9 values;

Press feed button, Determinable settings;

Press menu button, To cancel setting and range to the upper menu;

8.2.1 - 1.7 Reference point



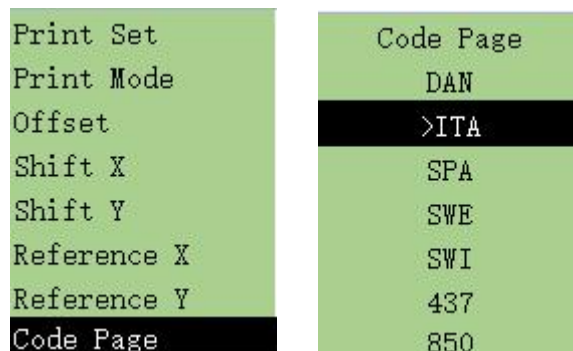
Use this option to adjust reference coordinates on the label paper relative to the origin;

Press left and right buttons to move cursor left and right;

Press up/down buttons to set+- or 0-9 values;

Press feed button, Determinable settings;

8.2.1 - 1.8 Character set



Use this option to set printer's character set.

When entering this option, Here” >” figure refers to currently set mode;

Press up and down buttons to select desired character set up or down;

Press feed button, Determinable settings;

Press menu button, To cancel setting and range to the upper menu;

8.2.1 - 1.9 Country code

Print Set	Country
Offset	001
Shift X	>002
Shift Y	003
Reference X	004
Reference Y	005
Code Page	006
Country	007

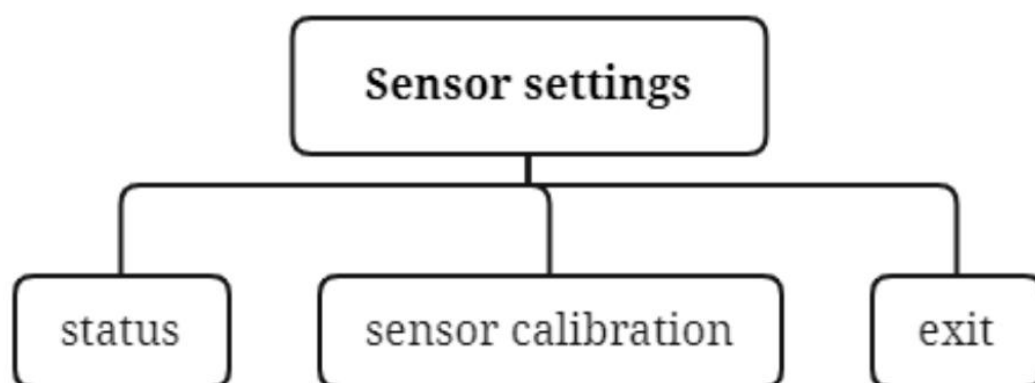
Use this option to set printer's country code. When entering this option, Here” >” figure refers to currently country code;

Press up and down buttons to select desired country code;

Press feed button, Determinable settings;

Press menu button, To cancel setting and range to the upper menu;

8.2.3 Sensor settings



8.2.3.1 Sensor status

Sensor	Paper Len 392
>Status	Gap Size 20
Calibration	Intensity 2
Exit	Ref. Level Auto

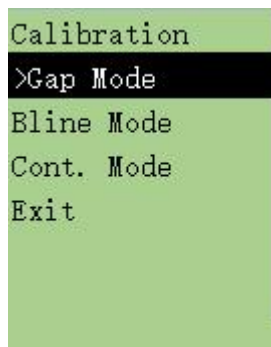
This option allows you to view sensor status of printer. When entering this option, you can see

the following information;

8. 2. 3. 2 Sensor Corrections

This option allows you to set detection mode of sensor and calibrate the required sensors based on the label paper used. It is recommended to redo the sensor calibration once label paper is replaced;

A、 Gap mode

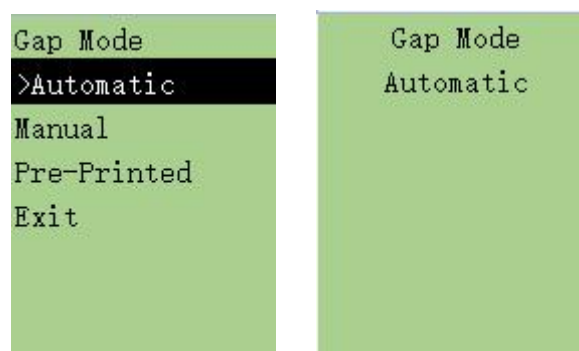


Press up and down buttons to select sensor type;

Press feed button to complete the setting;

Press menu button to cancel the setting and return to the previous menu level;

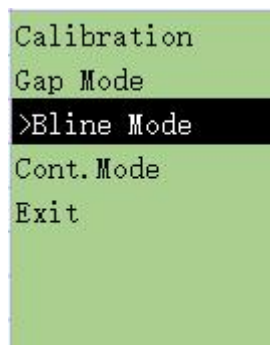
Automatic gap correction



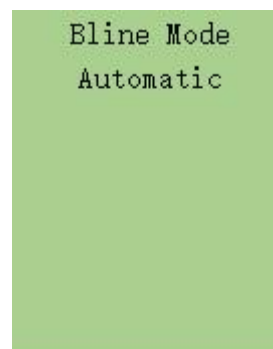
When entering this option, the above information will appear , And printer will input 2-3 sheets of label paper for sensor calibration action.

After calibration is completed, it will return to the upper menu

B. Black Label Mode



Automatic black label correction



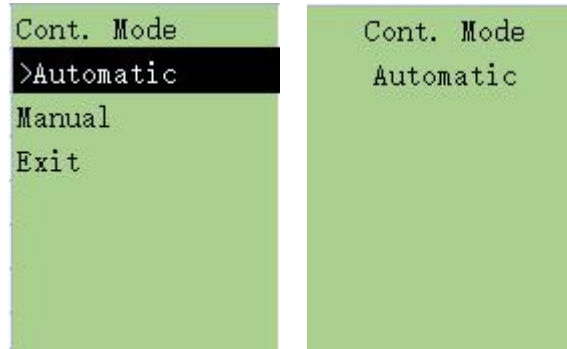
When entering this option, the above information will appear on the LCD , And printer will input 2-3 sheets of label paper for sensor calibration action.

C. Continuous paper mode



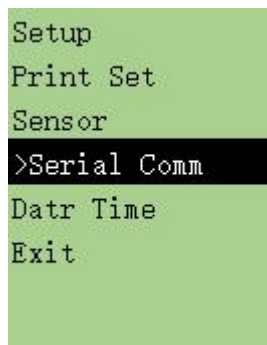
Press up and down buttons to select sensor type, and press feed button to complete the setting.

Automatic continuous paper correction

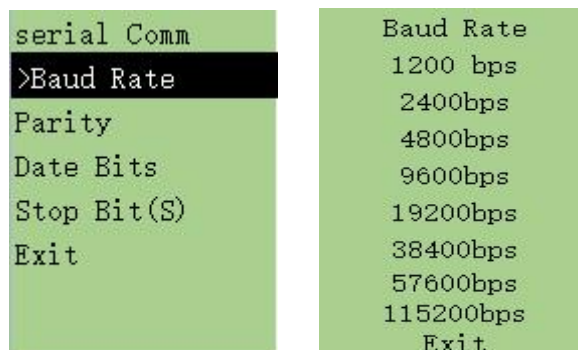


When entering this option, you will see above information. Printer will automatically perform sensor calibration on the paper. After completing the correction, it will return to the previous menu level.

8. 2. 4 Serial port settings



8.2.4.1 BAUD



This option can set the transmission speed of printer RS-232;

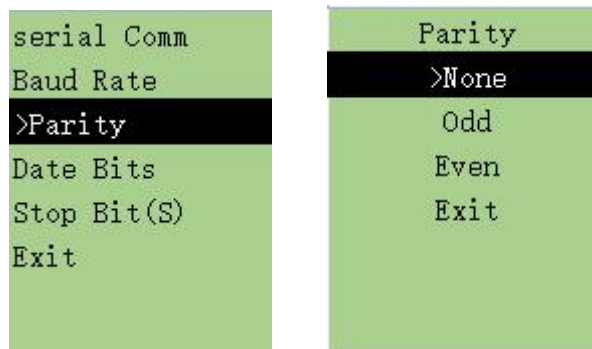
When entering this option, the ">" image refers to currently set mode;

Press up and down buttons to select desired mode up or down;

Press feed button to complete the setting;

Press menu button to cancel the setting and return to the previous menu level;

8. 2. 4. 2 Parity test



This option can set inspection bit for RS-232.

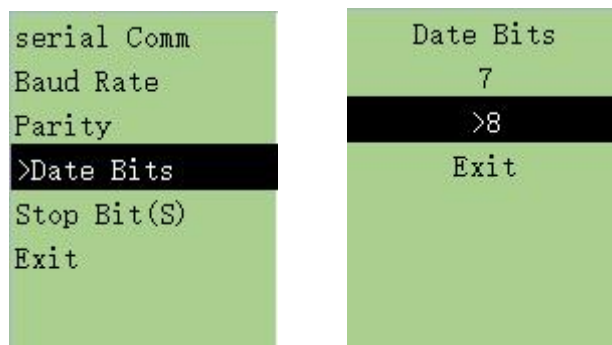
When entering this option, the ">" image refers to currently set mode;

Press up and down buttons to select desired mode up or down;

Press feed button to complete the setting;

Press menu button to cancel the setting and return to the previous menu level;

8. 2. 4. 3 Data bits



This option can set data bit for RS-232;

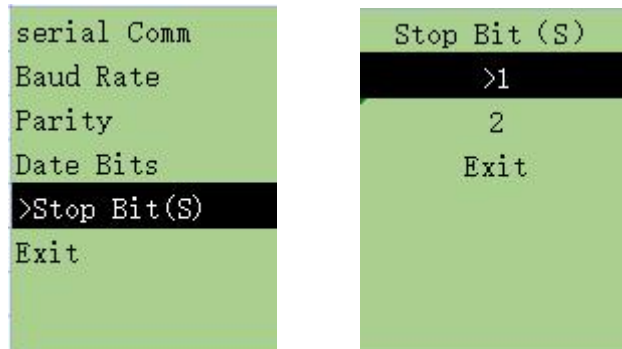
When entering this option, the ">" image refers to currently set mode;

Press up and down buttons to select desired mode up or down;

Press feed button to complete the setting;

Press menu button to cancel the setting and return to the previous menu level;

8.2.4.4 Stop bit



This option can set stop bit for RS-232;

When entering this option, the ">" image refers to currently set mode;

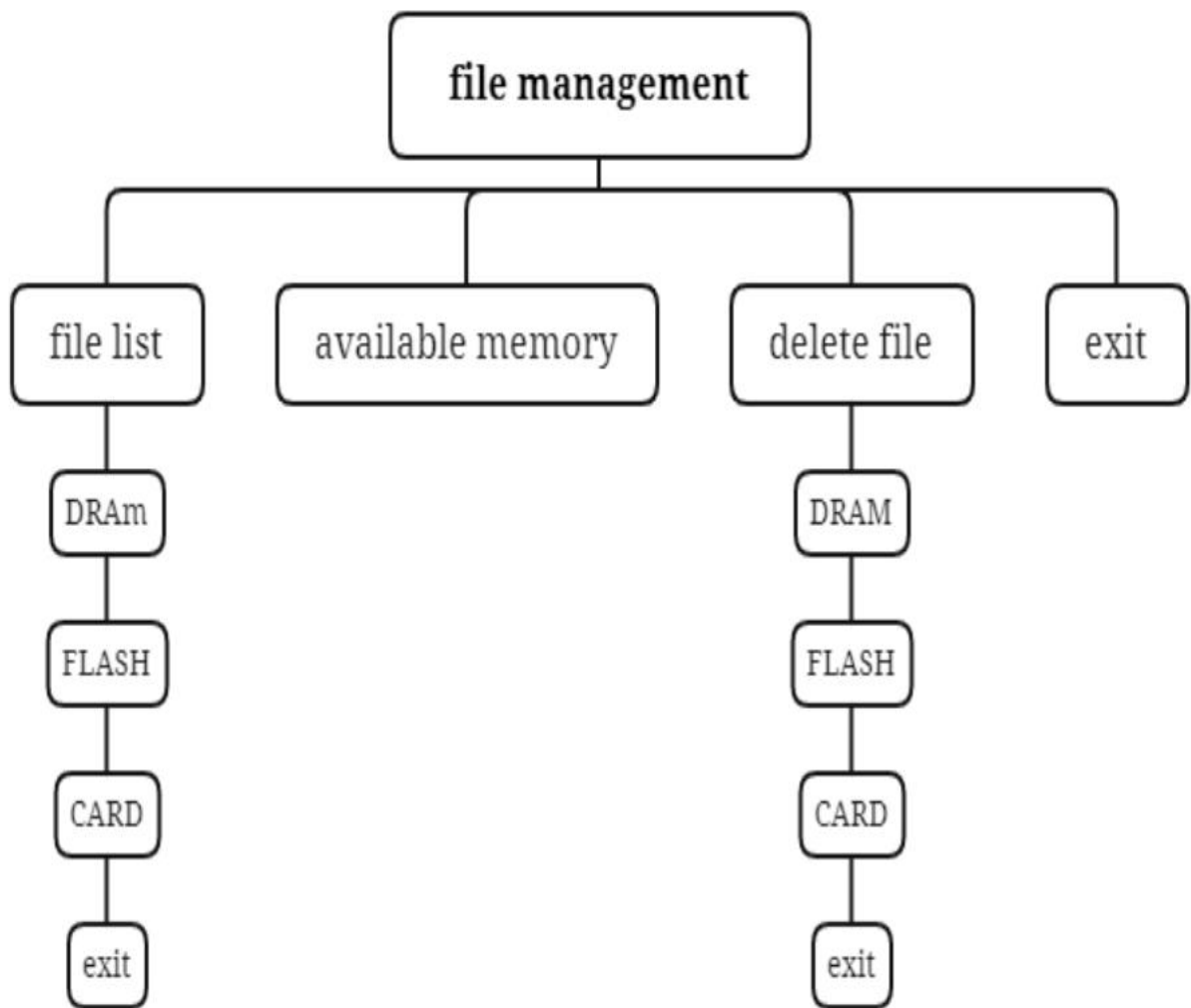
Press up and down buttons to select desired mode up or down;

Press feed button to complete the setting;

Press menu button to cancel the setting and return to the previous menu level;

8. 3 File management

This option function allows you to view usage of printer memory, Flash TF card, and file management.



8.3.1 File list

Files	File List
>File List	>DRAM
Avail. Memory	FLASH
Del. All Files	CARD
Exit	Exit

This option can display, delete, and execute(.BAS)documents stored in memory

8.3.2 Memory space

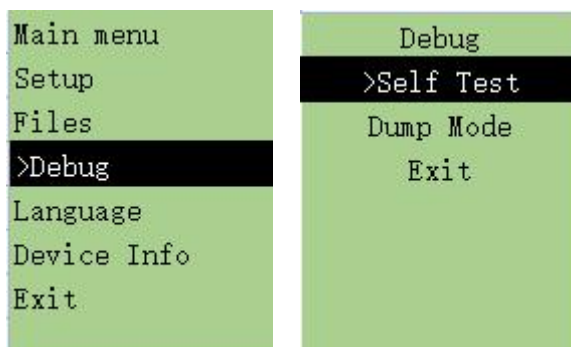
Files	Avsil. Memory
File List	DRAM: 128 KB
>Avsil. Memory	FLASH: 5082 KB
Del. All Files	CARD: 0 KB
Exit	

8.3.3 Delete file

Files	Delete	Del.All Files
File List	>DRAM	SELECT: YES
Avsil. Memory	FLASH	EXIT: NO
>Del. All Files	CARD	
Exit	Exit	

This option can delete files;

8.4 Print debugging



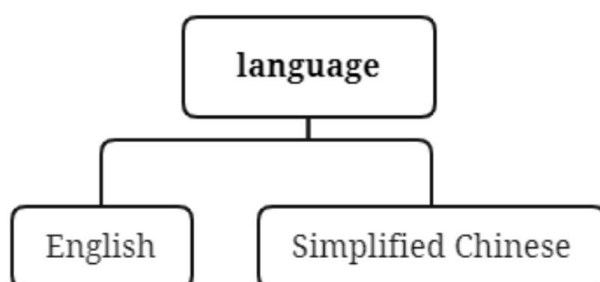
8.4.1 Print self test page

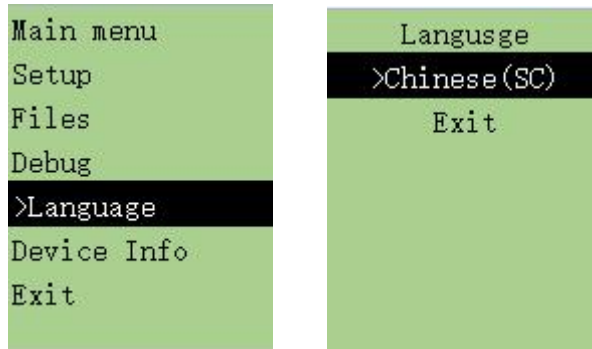
After selecting to print self-test page, printer will automatically print out the internal settings of printer.

8.4.2 Debug Mode

After selecting this function, the printer will enter debugging mode.

8.5 Language





This option can set language displayed on the display screen.

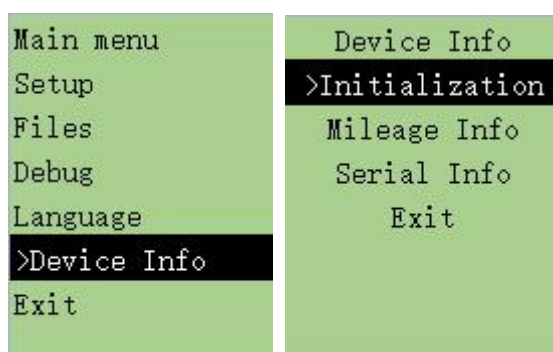
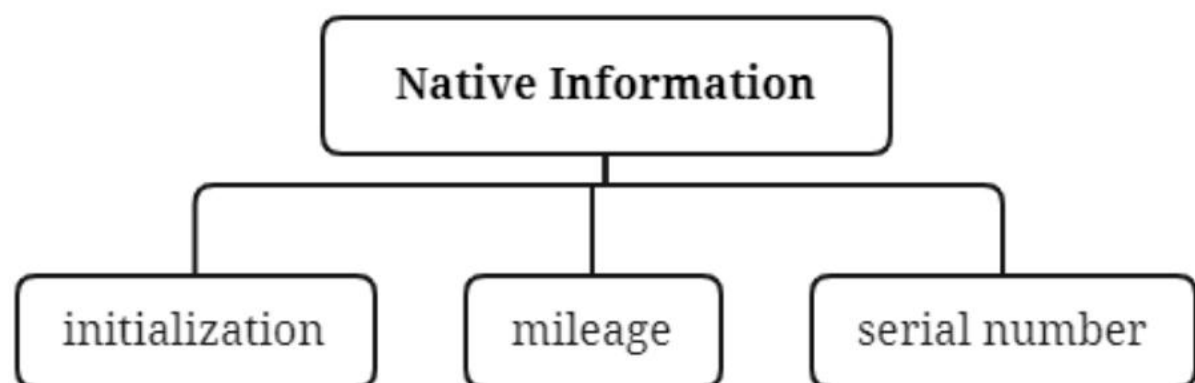
When entering this option, the ">" image refers to currently set mode;

Press up and down buttons to select desired mode up or down;

Press feed button to complete the setting;

Press menu button to cancel the setting and return to the previous menu level;

8.6 Native Information



This option can initialize the printer or view the serial number and printed mileage;

Press up and down buttons to select desired mode up or down;

Press feed button to complete the setting;

Press menu button to cancel the setting and return to the previous menu level;

9. Driver installation instructions

Open the location where you stored driver and double-click the printer driver icon, selection

I accept the items in the license agreement option, then select Next;



Select the default installation path, and select the next step;

Windows Printer Drivers

Installation Directory

Select the directory where the driver should be unpacked.

The software will be unpacked to the directory listed below. To unpack to a different directory, either type in the new path or click Browse to select a different directory.

Installation Directory: C:\Users\Desktop\Seagull\2023.2 Browse...

Space required on drive: 61.9 MB
Space available on selected drive: 22.0 GB

< Back **Next >** Cancel

Please confirm that the printer is turned on, please use the special USB to select Run Driver Wizard after unpacking drivers, select complete (note that the 64-bit system above window7 requires permission authorization);

Windows Printer Drivers

Installation Information

Follow the instructions below to install the software.

Instructions

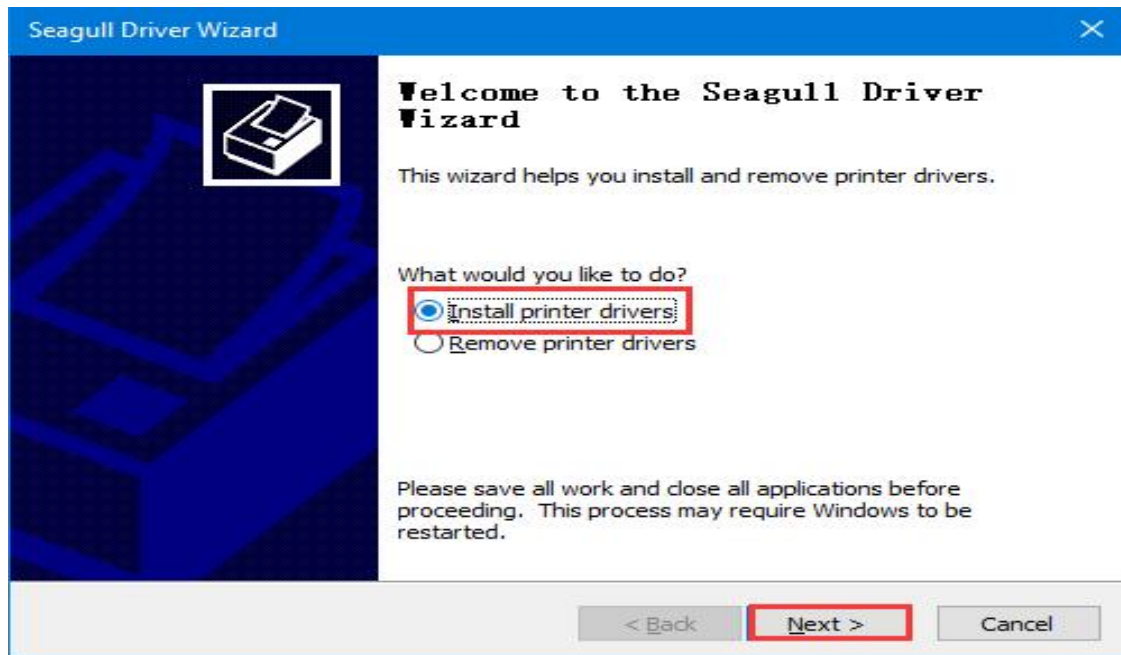
After the drivers are unpacked, install them using the Driver Wizard.

Options

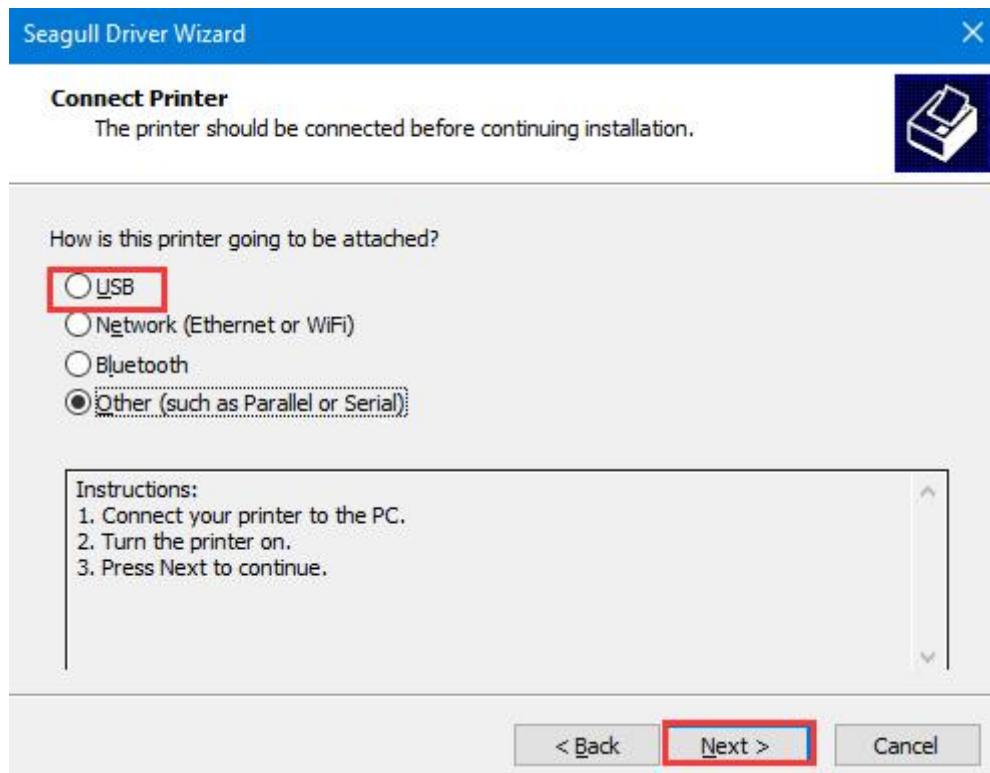
☒ Run Driver Wizard after unpacking drivers
☐ Read installation instructions (contained in "Installation_Instructions.html")

< Back **Finish** Cancel

Select to install the printer driver, select next;

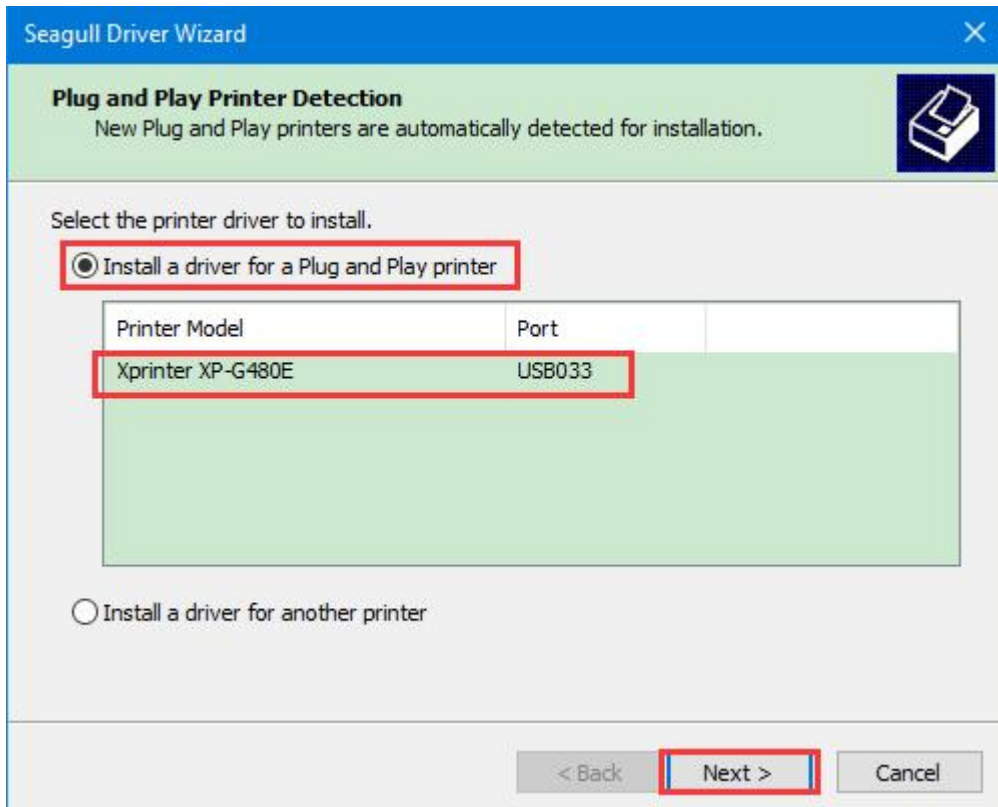


Please confirm that the printer has been started, please use a special USB data cable to connect the printer and the computer terminal, will automatically enter the Figure 6 interface;



Select the driver to install the plug and play printer, select the printer model (the actual port

may be different from the instruction manual), and click Next;



The screenshot shows the 'Seagull Driver Wizard' window. The title bar is blue with the text 'Seagull Driver Wizard' and a close button. The main area has a green header with the title 'Plug and Play Printer Detection' and a subtitle 'New Plug and Play printers are automatically detected for installation.' Below this, it says 'Select the printer driver to install.' There are two radio buttons: 'Install a driver for a Plug and Play printer' (which is selected and highlighted with a red box) and 'Install a driver for another printer'. Below the first radio button is a table with two columns: 'Printer Model' and 'Port'. The first row of the table is highlighted with a red box and contains the text 'Xprinter XP-G480E' and 'USB033'. At the bottom right, there are three buttons: '< Back', 'Next >' (highlighted with a red box), and 'Cancel'.

Seagull Driver Wizard

Plug and Play Printer Detection
New Plug and Play printers are automatically detected for installation.

Select the printer driver to install.

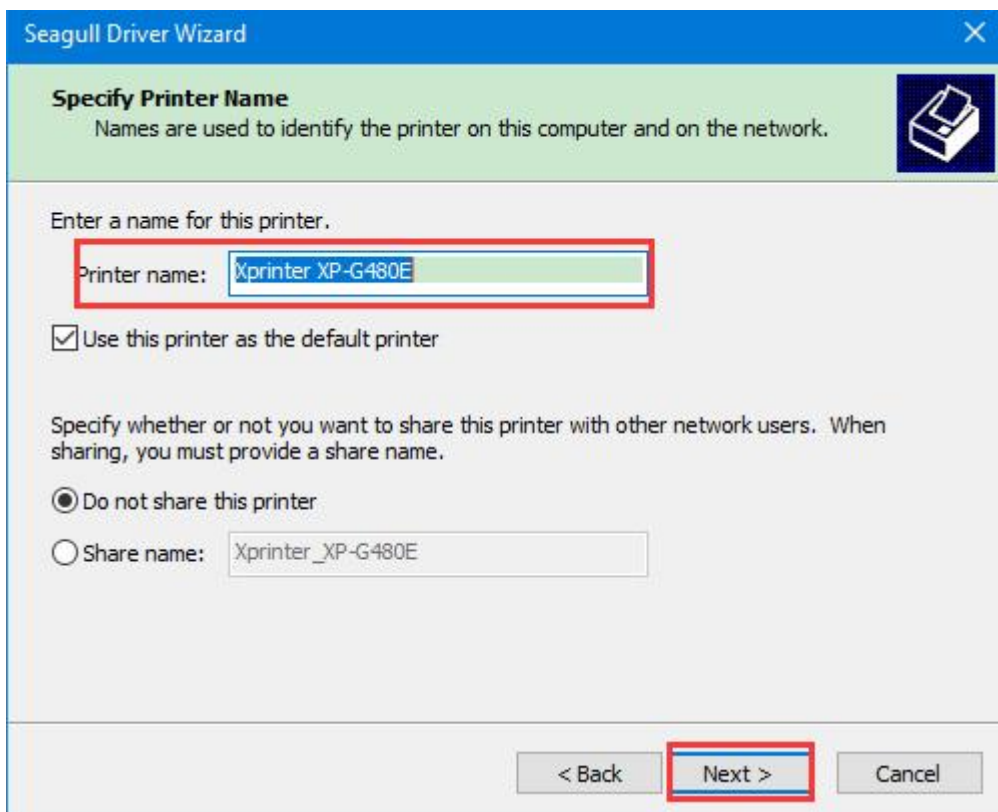
☒ Install a driver for a Plug and Play printer

Printer Model	Port
Xprinter XP-G480E	USB033

☐ Install a driver for another printer

< Back **Next >** Cancel

Set the printer name selection next step;



The screenshot shows the 'Seagull Driver Wizard' window. The title bar is blue with the text 'Seagull Driver Wizard' and a close button. The main area has a green header with the title 'Specify Printer Name' and a subtitle 'Names are used to identify the printer on this computer and on the network.' Below this, it says 'Enter a name for this printer.' There is a text box labeled 'Printer name:' containing the text 'Xprinter XP-G480E' (highlighted with a red box). Below this is a checkbox labeled 'Use this printer as the default printer' which is checked. Below that, it says 'Specify whether or not you want to share this printer with other network users. When sharing, you must provide a share name.' There are two radio buttons: 'Do not share this printer' (which is selected) and 'Share name:'. The 'Share name:' text box contains the text 'Xprinter_XP-G480E'. At the bottom right, there are three buttons: '< Back', 'Next >' (highlighted with a red box), and 'Cancel'.

Seagull Driver Wizard

Specify Printer Name
Names are used to identify the printer on this computer and on the network.

Enter a name for this printer.

Printer name: Xprinter XP-G480E

☒ Use this printer as the default printer

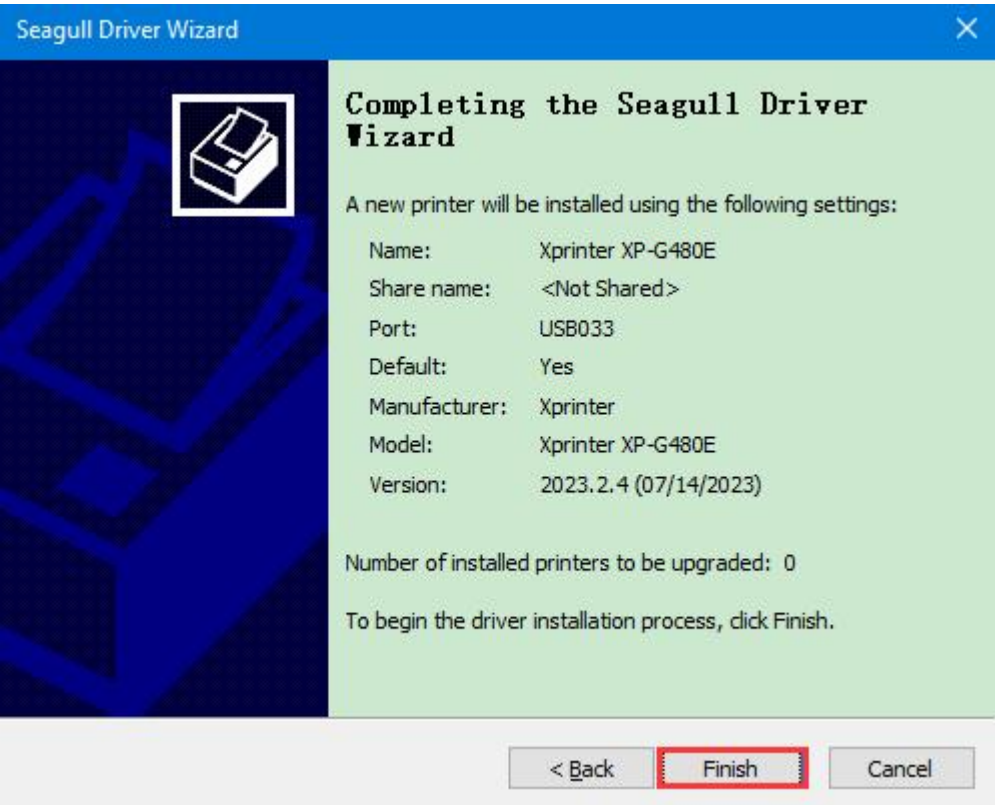
Specify whether or not you want to share this printer with other network users. When sharing, you must provide a share name.

☒ Do not share this printer

☐ Share name: Xprinter_XP-G480E

< Back **Next >** Cancel

Determine that the correct setting and the selection is complete;



In the equipment and the printer to generate the corresponding model of printer equipment is installed;



Note: The model of the installation driver varies according to the machine model.

FCC warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.