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4B-2044PA

Portable Barcode Printer

User's Manual of Standard Version

Please keep the user's manual properly for reference

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I. Overview

1.1 Introduction

Thank you for purchasing the portable barcode printer made by our company.

This model simultaneously supports two modes including labels and bills, so as to deal with different usage scenarios. In addition, this model has a built-in high-quality and efficient "True Type Font" engine and font library. With a flexible design of firmware, the users can also download the True Type Font from the computer into the printer's memory. In addition to the ability to zoom the fonts, there are five different sizes of bitmap font, OCR-A and OCR-B fonts. Integrated with such powerful functions, affordable price, and the best printing quality, this printer will be your best choice for portable barcode printers at the same level.

Please refer to the information provided by your volume label editing software when printing the label format. If you need to write your own instruction program, please refer to the instruction manuals for TSPL, ZPL, DPL, EPL, CPCL, and ESC/POS.

Scope of application

- o Manufacturing & warehousing logistics
 - Volume label of manufacturing mark
 - Label of inventory management
 - Label of item mark
 - Label of operation instruction
 - Label of distribution instruction
- o Medical care
 - Identification of patients Medicine mark
 - Label of specimen

- Parcel mailing
 Label of posting/receipt
 Small office/studio
- o Retail
 - Price mark Shelf item mark Volume label of jewelry product

1.2 Parameters of product

Standard configuration	
Standard configuration of product	203 dpi
Thermal printing	0
Two-color plastic case	0
Adjustable gap sensor/penetration type	0
Adjustable black mark sensor/reflection type	0
Printhead open sensor	0
USB 2.0 communication interface	0
8 MB SDRAM memory	0
8 MB FLASH memory	0
Date/time generator	0
Paper-out button and LCD display	0
Supporting programming languages of barcode printers of other brands	0
(Eltron [®] and Zebra [®])	
Supporting bill instructions	0
Containing 8 kinds of bitmap English digital types	0
Printing out fonts and barcodes rotationally in four directions (0,	0
90,180, 270 degrees)	
Containing fonts	0
Downloading Windows fonts for use	0
Downloading firmware updates	0
Printing text, barcode, image/picture (for those supporting code page,	0
please refer to the instructions manual of TSPL)	

Supported barcodes		Supported formats of nictures
		Supported formats of pictures
1D bar code	2D bar code	
Code 39,	PDF-417,	BITMAP,
Code 93,	Maxicode,	BMP,
Code128UCC,	DataMatrix,	PCX
Code128 subsets	QR code,	(Max. 256 colors graphics)
A, B, C, Codabar,	Aztec,	
Interleaved 2 of 5, EAN-8,	GS1 DataBar	
EAN-13, EAN-128,	Composite code	
UPC-A, UPC-E,		
EAN and UPC 2(5)		
digits add-on, MSI,		
PLESSEY, POSTNET,		
China POST, GS1		
DataBar, Code 11		

Optional accessories

Optional accessories of product	Optional by	Optional by	Optional by
	customer	distributor	manufacturer
Wireless network communication interface	-	-	0

1.3 General specification

General specification		
Volume and		
dimensions of	150 mm (D) x 131 mm (W) x64 mm (H)	
printer		
Weight of printer	0.583 kg	
	Internal voltage automatic switching power supply	
Power supply	Input: AC 110-240V	
	Output: 18W/DC 5V 2A, 10W (Specific in kind)	
	Operation environment: Temperature $5 \sim 40^{\circ}$ C ($41 \sim 104^{\circ}$ F); humidity	
Environmental	(non-condensing) 25~85%	
conditions	Storage environment: Temperature $-40 \sim 60^{\circ}$ C ($-40 \sim 140^{\circ}$ F); humidity	
	(non-condensing) 10~90%	

1.4 Printing specification

Printing specification	203 dpi
Resolution of print head	8 dots/mm (203 dots/inch)
Printing mode	Direct Thermal
Dot size	0.125 x 0.125 mm
(Width x Length)	(1 mm = 8 dots)
Printing speed (ips: inch/second)	4B-2044PA: 1, 2, 3,4 ips (1 ips = 25.4mm/s)
Maximum printing width	104 mm (4.09")
Maximum printing length	1778 mm (70")

1.5 Paper specification

Paper specification	203 dpi
Paper bin capacity	50 mm OD
Type of paper	Continuous paper, gap paper, black mark paper, perforated
	paper
Winding type of paper	Outward winding of printing surface
Width of paper (label +	Maximum 112 mm
body paper)	Minimum 40mm
Thickness of paper (label	Maximum 0.16 mm
+ body paper)	Minimum 0.06 mm
Axis size of paper roll	12.7 mm~25.4 mm (0.5"~1")
Length of label	10~1778 mm (0.39"~70")
	Remark:
	If you are using a label in the length less than 25.4mm (1"), it is
	recommended to use a label paper with perforated lines on the
	gap so as to tear apart easily.
Spacing height of gap	Minimum 2 mm (0.09")
paper	
Black mark height of black	Minimum 2 mm (0.09")
mark paper	
Black mark width of black	Minimum 8 mm (0.31")
mark paper	

II. Product

2.1 Unpacking and inspection

This printer is specially packaged to protect against possible damage in transit. However, since the printer may still be subjected to unexpected damage during transportation, you are kindly required to check the packaging and all units carefully when receiving the printer. In case of obvious damage, please contact the sales dealer directly and indicate the severity of the damage. Please keep the packaging materials for returning the printer.

Once you have received your barcode printer, place it on a clean, steady table and carefully remove the packaging materials. Check if the following items are included:

One barcode printer One installation driver CD-ROM One copy of operation instructions One Type C data cable One power adapter One set of paper roll supply shaft







Battery



Power ad apter



USB Type-C cable





Quick Start Guide

Please keep the printer's packaging materials properly for future handling. In case of any shortage or missing of the aforesaid items, please contact the customer service department in the place where you purchased the printer.

2.2 Printer components

Appearance



- 1. Paper exit
- 2. Power on/off button
- 3. Clamshell
- 4. Display screen
- 5. Clamshell switch
- 6. Transparent clamshell lens
- 7. Medium frame
- 8. Paper feeding button
- 9. Base
- 10. Menu button





- 1. Printing rubber roller
- 2. Print head
- 3. Battery



Power interface
 Type C interface

Note: The transmission interface of the printer as shown in the picture will vary depending on the type of the printer purchased by you. Please refer to the catalog and specification of the product for the actual transmission interface.

Side

III. Installation

3.1 Install the printer

1. Connect the adapter cable to the power interface of the printer.

2. Connect the interface cable to the user's equipment. (Connect to the printer via mobile phone Bluetooth / WIFI)



Note:

* Please turn off the power switch of the printer, and insert the power cable into the power socket of the printer.

* The transmission interface of the printer as shown in the picture will vary depending on the type of the printer purchased by you. Please refer to the catalog and specification of the product for the actual transmission interface.

3.2 Install the paper roll

3.2.1 Install the paper roll



Note: This series of paper sensors are stationary on the left side. Please make sure that the gap (or black mark) of the paper passes through the sensor. It is recommended that you shall calibrate the sensor again when you replace with different types of label paper.

IV. Display Screen and Button Functions

4.1 Button names and display screen:

(1) POWER button

A. Power-on: In the power-off state, press and hold the POWER button for 2S, and the printer enters the working state.

B. Power-off: In the power-on state, press and hold the POWER button for 2S, and the printer is power off.

C. Forced power-off: If an unknown error occurs to the printer, press and hold the POWER button for 6S to power off forcibly.

D. Return to menu: In the menu open state, press the POWER button to return to the previous menu.

(2) MENU button

A. Menu opening: The standby state is displayed on the display screen; press the MENU button to enter the menu.

B. Option determination: In the menu open state, press this button to determine the options.

(3) FEED button

A. Paper feeding function: Press this button to feed a piece of paper.

B. Scroll-down function: In the menu open state, press this button to select scroll-down.

(4) Display screen

The state of printer, capacity of battery, and other messages can be displayed on the display screen.

4.2 Power-on function

This printer has the following power-on functions, which can be used to set up or test the printer hardware. To enable these functions, press the POWER button while holding down the FEED button, release the POWER button when the screen lights up, and release the FEED button according to the displayed message.

Power-on function	Displayed message
Detection by gap/black mark sensor	Calibrate
Detection by gap/black mark sensor, printing of	Self Test
self-test page, and entry into debugging mode	
Initialization of printer	Initialize
Detection by black mark sensor	Bline Detect
Detection by gap sensor	Gap Detect
Skip AUTO.BAS program	Enter the standby interface

4.2.1 Detection by gap/black mark sensor

This test is used to measure the sensitivity of the label paper sensor after the printer is turned on. It is required to retest the label paper gap sensor when the user replaces with the new paper roll in different specifications or initializes the printer and restores the set values to the factory default values.

4.2.2 Detection by gap/black mark sensor, printing of self-test page, and entry into debugging mode

By this test, the sensor will be calibrated first after the printer is powered on, and the internal set values of the printer will be printed, and the printer will enter the debugging mode.

Self-test

When the sensor calibration is completed, the printer prints out the self-test value. Before connecting the printer to your computer, you can use self-test to confirm that the printer is functioning properly. The printed self-test value can be used to check the printing quality of the print head and know the internal settings of the printer.

Debugging mode

After the self-test is printed, the printer system enters the debugging mode. In the debugging mode, all the volume labels will be printed in machine code. The ASCII strings on the left are the data received by the system. The data on the right are printed from the strings on the left, in hexadecimal values. This function is provided for users or engineers to debug programs. You only need to turn off and on the power again to leave the debugging mode and return to the normal printing mode.



Hexadecimal value data corresponding to the ASCII string listed on the left

Note:

- 1. Label paper of **3**" wide is required to print all the debugging mode data.
- 2. Turn off and on the power to leave the debugging mode and return to the normal printing mode, or press the **FEED** button to return to the standby state.

4.2.3 Printer initialization

The printer initialization function is to clear the downloaded files in the memory (DRAM) and restore the print parameters to the factory default settings. After enabling the printer initialization function, the printer will reset.

After initialization, the printer configuration is restored to its default values as follows:

Parameters	Defaults
Speed.	76 mm/sec (3 ips) (203DPI)
Density	8
Label width	2.83" (72 mm)
Label height	4.0" (108 mm)
Sensor type	Gap sensor
Gap setting	0.12" (3.0 mm)
Printing direction	0
Reference point	0,0
Offset	0
Tear-off mode	On
Characters	850
Country code	001
Clear flash	No

4.2.4 Skip the AUTO.BAS program

The XPL programming manual command language allows the user to load an auto-execute file (AUTO.BAS) into the flash memory. When the printer is turned on, it will be automatically executed according to the file loaded by the user. When you want to skip the AUTO.BAS after power-on, you can use this boot function to ignore this auto-execute file.

4.3 Switching between barcode/bill mode

1) Barcode mode --> bill mode:

Enter the main menu -> Set -> Print the settings -> Instruction mode -> Select ESCPOS. The printer is automatically restarted, and ESC is displayed at the top right of the standby interface; at this time, the printer switches to the bill mode.

2) Bill mode --> barcode mode:

Press and hold the POWER button first, then press the MENU button or the FEED button, and then release all the buttons, and the printer is restarted automatically, and EZD is displayed at the top right of the standby interface; at this time, the printer switches to the barcode mode.

V. LCD Operation Panel

The LCD display screen version of this printer has four operation buttons including menu, scroll up, scroll down, and feed; the menu button and feed button shall be used as the OK button and backspace button respectively after entering the menu.



5.1 Setting



5.1.1 Printing setting



5.1.1-1.1 Setting of printing speed

Printing setting	
> Printing speed	Printing speed
Printing intensity	8
Printing direction	
Printing mode	
Offset adjustment	
X printing line adjustment	
Y printing line adjustment	

Use this option to set the printing speed of the printer. The adjustment ranges from 1 to 3 ips; The gap of increase and decrease is 1 ips each time.

Press FEED to select the value.

Press MENU to confirm the setting.

Press POWER to cancel the setting and return to the previous menu.

5.1.1 - 1.2 Printing density



Use this option to set the printing density of the printer. The adjustment ranges from 0 to 15; The gap of increase and decrease is 1 each time.

Press FEED to select the value.

Press MENU to confirm the setting.

Press POWER to cancel the setting and return to the previous menu.

5.1.1 - 1.3 Printing direction



Use this option to set the printing direction of the printer. The set value of the printing direction is 1 or 0.

Press FEED to adjust the value.

Press MENU to confirm the setting.

Press POWER to cancel the setting and return to the previous menu.

5.1.1 - 1.4 Printing mode



Use this option to set the printout mode of the printer. When entering this option, the icon ">" refers to the mode set currently.

Press FEED to move the cursor.

Press MENU to complete the selection.

Press POWER to cancel the setting and return to the previous menu.

5.1.1 - 1.5 Offset adjustment



This option can be used to adjust the stop position after the label paper is printed. When the stripping or cutter function is used, it can be used to adjust the stop position of the label; when printing the next label, the compensation can be made for the portion pushed out more or less by means of pulling.

Press MENU to move the cursor to the right side.

Press FEED to set + - or the value from 0 to 9.

Press POWER to cancel the setting and return to the previous menu.

5.1.1 - 1.6 Adjustment of X printing line, adjustment of Y printing line



Use this option to adjust the printing position and the stop position of the label. Press MENU to move the cursor to the right side. Press FEED to set + - or the value from 0 to 9. Press POWER to cancel the setting and return to the previous menu.

5.1.1 - 1.7 Reference point



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

Press MENU to move the cursor to the right side.

Press FEED to set + - or the value from 0 to 9.

Press POWER to cancel the setting and return to the previous menu.

5.1.1 - 1.8 Character set

Printing setting	Character set
Printing mode	DAN
Offset adjustment	> ITA
X printing line adjustment	SPA
Y printing line adjustment	SWE
X-axis reference point	SWI
Y-axis reference point	437
> Character set	850

Use this option to set the character set of the printer. When entering this option, the icon ">" refers to the mode set currently.

Press FEED to select the mode to be set.

Press MENU to complete the setting.

Press POWER to cancel the setting and return to the previous menu.

5.1.1 - 1.9 Country code

Printing setting	
Offset adjustment	
X printing line adjustment	
Y printing line adjustment	
X-axis reference point	
Y-axis reference point	
Character set	
>Country code	

Co	ountry cod	le
1	001	
>(002	
(003	
(004	
(005	
(006	
(007	

Use this option to set the country code of the printer. When entering this option, the icon ">" refers to the mode set currently.

Press FEED to select the mode to be set.

Press MENU to complete the setting.

Press POWER to cancel the setting and return to the previous menu.

5.1.2 Sensor setting



5.1.2.1 Sensor state

Paper length	
	812
Gap height	
	24
Sensor intensity	
	2
Sensor numerical value	
	Automatic

This option can be used to check the state of printer's sensor. When entering this option, the following message can be viewed.

5.1.2.2 Sensor calibration

This option can be used to set the detection mode of the sensor according to the label paper to be used and the sensor required for calibration. It is recommended that the sensor shall be recalibrated whenever the label paper is replaced.

A. Gap mode



Press SCROLL DOWN to select the type of sensor.

Press MENU to complete the setting.

Press POWER to cancel the setting and return to the previous menu.

Automatic gap calibration



When entering this option, the above message will appear, and the printer will feed 2-3 sheets of label paper for calibration of the sensor. When the calibration is completed, it will return to the previous menu.

B. Black mark mode



Automatic calibration of black mark

Black mark mode > Automatic correction Labor correction Printed label Exit

E	lack mark mode
A	automatic correction

When entering this option, the above message will be displayed on LCD display screen, and the printer will feed 2-3 sheets of paper for calibration of the sensor.

C. Continuous paper mode



Press SCROLL UP and SCROLL DOWN to select the type of sensor, and press MENU to complete the setting.

Automatic calibration of continuous paper

Continuous paper mode
>Automatic correction
Labor correction
Printed label
Exit

Automatic correction	Continuous paper mode
	Automatic correction

When entering this option, the above message will be viewed, and the printer will automatically calibrate the sensor for the paper. When the calibration is completed, it will return to the previous menu.

5.2 File management

With this option, it is possible to check the usage of the Flash TF memory card of the printer and the management of the files.



5.2.1 List of files

Files management	Files list
>Files list	>DRAM
Available RAM	FLASH
Delete document	CARD
Exit	Exit

This option can be used to display, delete, and execute (.BAS) the files stored in the memory.

Display of files:



Delete file: Press SCROLL DOWN to delete the file. Execute file: Press MENU to execute the file.

5.2.2 Memory space



This option can be used to check the residual memory space.

5.2.3 Delete file

Files management	Delete	Delete document
Files list	>DRAM	SELECT:
Available RAM	FALSH	YES
>Delete document	CARD	EXT:
Exit	Exit	NO

This option can be used to delete the file.

5.3 Printing debugging



5.3.1 Printing self-test page

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

5.3.2 Debugging mode

After this function is selected, the printer will enter the debugging mode.

Note: The "Printing self-test page" and "Debugging mode" are consistent with the functions in the versions without LCD.

5.4 Language



Use this option to set the language to be used for the display screen. When entering this option, the icon ">" refers to the mode set currently.

Press FEED to select the mode to be set.

Press MENU to complete the setting.

Press POWER to cancel the setting and return to the previous menu.

5.5 Printer information



This option can be used to initialize the printer or check the serial number and the mileage printed.

Press FEED to select the mode to be set.

Press MENU to complete the setting.

Press POWER to cancel the setting and return to the previous menu.

VI. Diagnostic Tool

Diagnostic Tool is an easy-to-use window-type utility program that allows you to check the current status and settings of the printer, download graphic files, programs, font files, etc., and complete firmware updates according to the actual need. Moreover, it supports creation and download of dot-matrix fonts, transmission of commands or files and so on. By using it, you can complete the printer setup, check the printer status and troubleshoot the printer usage problems more easily.

6.1 Enable the Diagnostic Tool program

1. Move the mouse cursor to the Diagnostic Tool image Diagnostic Tool.exe and double click the left mouse button.

2. After it is started, the main screen shows 4 management tabs (printer settings, file management, communication tools, system printer settings).

	Diagnostic Tool V1.016b				(contrast
tures tab	Language English •	Unit inch 🗇 mm	Interface USB	Setup	Status Get Statu
_	Printer Configuration File Mana	ger Command Tool System Pri	nter Settings		
	Printer Function	Printer Configuration	1000		
	Calibrate Sensor	Printer Infoormation Version		Cutting Counter	
	Ethernet Setup	Serial NO	Check Sum	Mieage	
er setup		Common Z D	RS-232		
or ootup	RTC Setup	Speed		Ribbon	-
	Factory Default	Density	•	Ribbon Sensor	•
		Paper Width	inch	Robon Encoder Err	•
	Reset Printer	Madia Seoser	inch	Country Code	
	Drint TestPage	Geo	inch	Hea-up Sensor	-
	Finit lesurage	Gap Offset	inch	Reprint After Error	-
	Configuration Page	Post-Print Action	-	Maximum Length	inch
		Cut Piece		Gap Inten	
	Dump Text	Reference		Bline Inten	
	Innere AUTO BAS	Direction	-	Continuous Inten	
	310101010.010	offset		Threshold Detection	•
	Password Setup	Shift Y			
	Evil Line Cetur		[

6.2 Printer settings

1. Select the connection interface between your computer and the printer.

	Interface	Interface	Onton
	USB ~ Setup		Setup
	The default communication interface of	COM LPT	
	the Diagnostic Tool program is USB, so if	ETHERNET	
	the computer is connected through USB	WIFI	Cutting Counte
cable for transmission, no changes need to			
	be made to the settings.		
2. Click on a function you intend to set in the "Printer Settings".			

3. The printer functions in the Printer Settings management page are described as below:

-	
Printer Function	Description
Calibrate Sensor	Sensor Calibration
Ethernet Setup	Set Ethernet Network
RTC Setup	Set Printer RTC Time Parameters
Factory Default	Restore Factory Defaults and Reboot
Reset Printer	Restart the Printer
Print TestPage	Print Test Page
Configuration Page	Print Self-test Page
Dump Text	
Ignore AUTO.BAS	Enter Printer Debugging Mode
Password Setup	Ignore the AUTO.BAS File
	Set the Diagnostic Tool Password
Exit Line Setup	
	1

6.3 Calibrate the paper sensor with the Diagnostic Tool

- 6.3.1 Automatic calibration
 - 1. Make sure that the paper is installed correctly and the print head is closed.

Remark: The gap sensor and black mark sensor of the printer are not movable, so as to ensure that the paper gap or black mark passes through the gap sensor or black mark sensor.

Gap sensor	Black mark sensor

- 2. Turn on the printer.
- 3. Start the Diagnostic Tool and set the transmission interface (the default is USB).

Interface		Interface	
USB 🗸	Setup	USB 🗸	Setup
		USB	
The default communication interface of		COM	
the Diagnostic Tool program is USB, so if		LPT	
the computer is connected through USB		BT	
cable for transmission, no changes need to		WIFI	Cutting Counter
be made to the setting	ıgs.		

4. Click on "Sensor Calibration".

5. Select the paper type and click on "Calibration". The printer will automatically feed the paper to calibrate the sensor.

Auto Calibration	Manual Setup	Media Type
Paper Height	Sensor Intensity	Gap
inch		Blach Mark
Gap	Threshold Value	O Continuous
inch		O Auto Selection

VII. Troubleshooting

7.1 Common problems

The table below shows the common problems the printer operators normally meet and the solutions to them; if you have tried the troubleshooting in the ways we suggest but the printer is still not working properly, please contact the customer service department of the vendor for more assistance.

Problem	Possible cause	Solution
- The power indicator is off.	* The AC socket plug and the	* Check the power connector,
	power supply plug are not	and make sure that the AC
	properly connected to the	socket and the power supply
	socket of the printer.	plug are properly connected
		to the printer.
	* The printer power is not	
	switched on.	* Turn on the power switch.
- The Diagnostic Tool	* The print head holder is not	* Close the print head holder.
displays "Printer On".	closed.	
- The Diagnostic Tool	* The label paper is used up.	* Install new label paper.
displays "Out of Paper".	* The volume label	* Refer to the steps of label
	installation path is incorrect.	installation and reinstall it.
	* The gap/black mark sensor	* Recalibrate the label sensor.
	detection is incorrect.	
- The Diagnostic Tool	* The gap/black mark sensor	* Recalibrate the volume
displays "Paper Jam".	detection is incorrect.	label sensor.
	* The volume label paper size	* Set the correct label size.
	setting is incorrect.	* Clean the inside of the
	* There may be volume label	mechanism.
	paper stuck inside the printer	
	mechanism.	

Problem	Possible cause	Solution
- Unable to	* Low hottowy	* Check whether the battery has sufficient electricity.
print	* Low battery	* Charge the printer.
		* Check whether the battery is damaged.
		* Clear unnecessary files inside FLASH/DRAM.
- The memory		* The DRAM can store up to 256 files.
space is full.	*The FLASH/DRAM	* User can store up to 256KB in DRAM.
(FLASH/	memory space is full.	* The FLASH can store up to 256 files.
DRAM)		* The maximum a user can store in FLASH is
		2560KB.
	* The label paper is	* Reinstall the consumables.
	installed incorrectly.	* Clean the print head.
	* There is dust or	* Clean the rubber roller.
	adhesive buildup on	* Adjust the printing density and printing speed of
	the print head.	the printer.
	* The printing density	* Print out the self-test value to check if the print
- Poor printing	is not set properly.	head is damaged. If yes, replace it.
quality	* The print head is	* Replace with appropriate label paper.
	damaged.	* If the thickness of the label exceeds 0.22 mm, the
	* The label in use	printing quality may not be good enough. Please
	does not match.	increase the print head pressure first.
	* The print head	* Make sure that the print head holder is fully
	pressure setting is	closed.
	inappropriate.	
	* The label size	* Make sure that the label size setting is correct.
	setting is incorrect or	* Recalibrate the label sensor.
	incomplete.	* Remove dust from the sensor with an air brush.
	* The label has been	
- Paper skip	changed without	
occurs while	recalibrating the	
printing.	sensor.	
	* The label sensor is	
	covered by dust,	
	causing incorrect	
	detection.	

Problem	Possible cause	Solution	
- The print position is not correct when printing small volume labels.	 * The label sensor setting is incorrect. * The label size setting is incorrect. * The vertical offset setting of the volume label style in the printer driver is incorrect. 	* Recalibrate the label sensor. * Set the correct volume label size and volume label gap size. * If the BarTender software is used, set the vertical offset in the printer driver. Page Setup Graphice Stock Options About Media Settings Method: Direct Thermal Gap Height: 30 mm Gap Offset: 00 mm Post-Print Action: Teed Offset: 00 mm OK Cancel Apply Heip	
- Print missing on both left and right sides.	* The label size setting is incorrect.	* Set the correct label size.	
- The RTC time is not correct after restarting the printer.	* The battery is dead.	* Check the battery on the main board.	
- Gray lines appear on black label paper.	* There is dirt on the print head.* There is dirt on the rubber roller.	* Clean the print head.* Clean the rubber roller.	
- Unstable printing	* The printer is in the Hex Dump mode.	* Turn the printer off and on again to jump out of the Dump mode.	

VIII. Simple Maintenance of the Printer

The simple maintenance procedures aim to ensure the printing quality and extend the life of the printer. Below are some of our recommended maintenance procedures.

1. Clean and maintain your printer by using the tools listed below:

Cotton swab Cotton cloth Vacuum cleaner or air brush Medical alcohol

2. Creating steps.		
Item	Steps	Recommended frequency
	 Turn off the printer. Allow the print head to cool for at least one minute. Wipe the print head surface with a cotton swab dipped in medical alcohol. 	When installing a new roll of label paper
Print head		
Rubber roller	 Turn off the printer. While rotating the rubber roller, carefully wipe it with a cotton cloth or cotton swab dipped in medical alcohol. 	When installing a new roll of label paper
Paper tearing-off piece	Wipe it with a cotton cloth dipped in medical alcohol.	When needed
Sensor	Remove dust from the sensor with an air brush or vacuum cleaner.	Monthly
Outside of the machine	Wipe it with a wet cotton cloth.	When needed
Inside of the machine	Remove dust from inside of the machine with an air brush or vacuum cleaner.	When needed

2. Cleaning steps:

Note:

Do not touch the print head directly by hand. If your hand touches it accidentally, wipe it with a cotton swab dipped in medical alcohol.

Use medical alcohol. Do not use industrial alcohol, which may damage the print head.

If your printer displays error messages frequently, clean the sensor of the printer regularly. The equipment can be used safely in tropical climates.

This is a Class A product that may cause radio interference in a living environment. In

such case, users may need to take practical measures accordingly.

Update history

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