Gprinter®

Quick Installation Guide

GP-1124T/1125T Thermal Transfer Barcode Printer
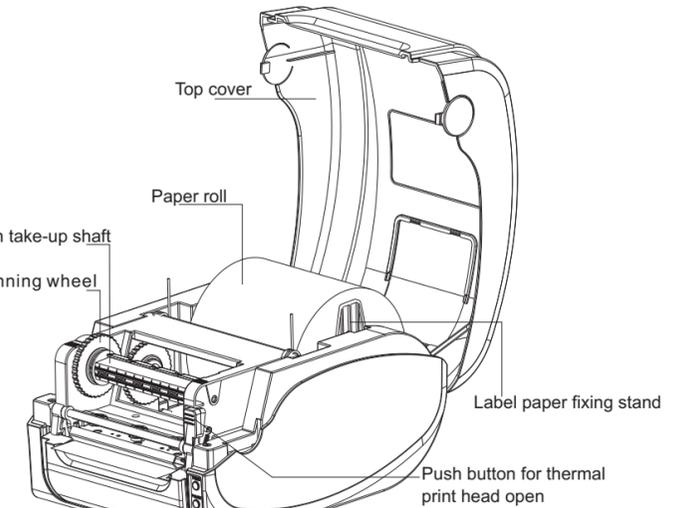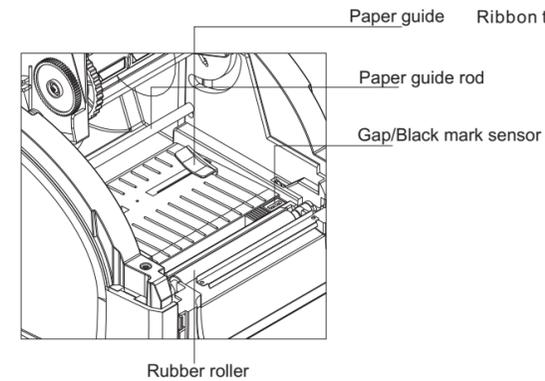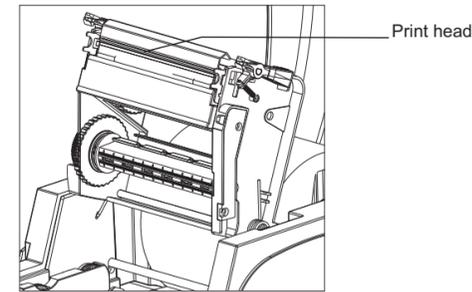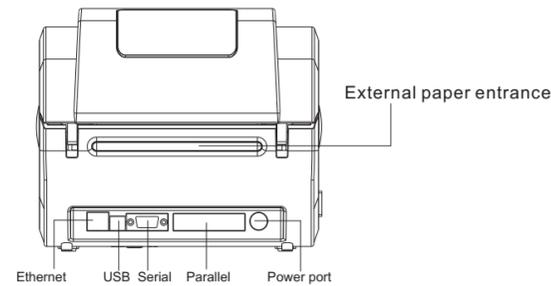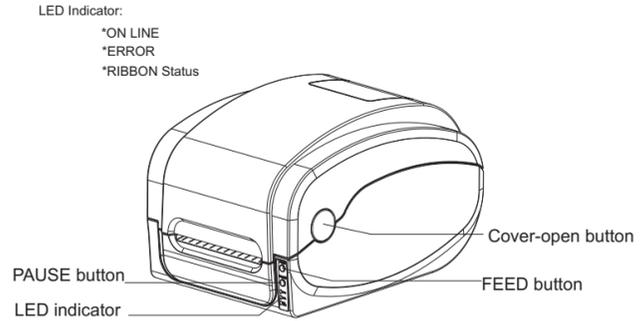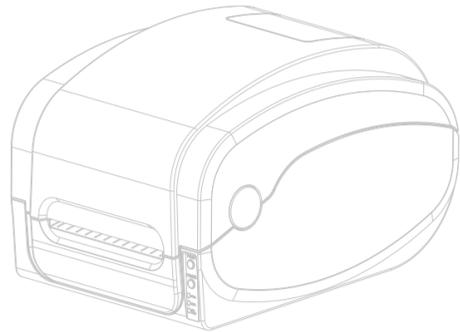
Remark:
GP-1124T 3 in 1 interface(Serial+USB+Parallel), without external paper holder but with paper roll and ribbon.
GP-1125T 4 in 1 interface(Serial+USB+Ethernet+Parallel), with external paper holder, paper roll and ribbon.

LED Indicator:
 *ON LINE
 *ERROR
 *RIBBON Status

Cover-open button
PAUSE button
LED indicator
FEED button

External paper entrance

Ethernet USB Serial Parallel Power port

Note:The picture showing ports is for GP-1125T.

Print head
Paper guide
Paper guide rod
Gap/Black mark sensor
Rubber roller

Top cover
Paper roll
Ribbon take-up shaft
Ribbon take-up running wheel
Label paper fixing stand
Push button for thermal print head open

*If you need more information about the product, please refer to the User's Manual in CD.
*The printer specification, accessory, spare parts and program are subject to change without prior notice.

Paper Installation:

1.Press two buttons in left and right side of top cover to lift and open the cover.

2.Insert the paper roll into the shaft as picture showing, and fix the label roll in the middle.

3.Put paper roll into the printer.

4.Press the button to open print head mechanism.

5.Pull out the paper, use the paper guide to fix the label in correct position till the label pass gap sensor and rubber roller.
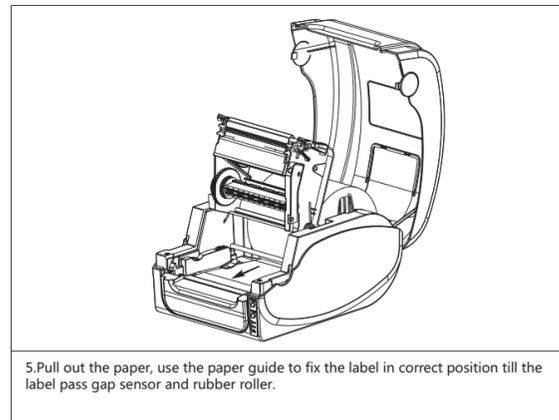
Ribbon Installation:

1.Insert the ribbon take-up shaft into an empty roll.

2.Install ribbon take-up shaft and empty roll into the printer, left side first, right side afterwards.

3.Insert ribbon supply shaft into new ribbon

4.Open print head by pressing the picture showing button

5.Install ribbon supply shaft into the printer, left side first, right side afterwards.

6.Pull out ribbon and let it touch the print head and roll onto the step 1 showing empty roll

7.Adjust the running wheel to let the ribbon touch print head flat

8.Close the print head by pressing mechanism two sides to make sure print head is closed completely for good quality printing

Ribbon & Paper installation diagram

Print head
Ribbon
Media guide
Platen roller
Gap/Black mark sensor
Ribbon rewind hub
Ribbon core
Media
Media guide rod

Outward rolling media
Inward rolling media
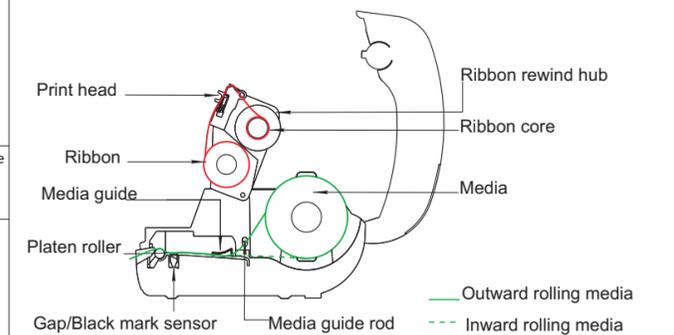
1.Introduction

Thanks for choosing GP-1124T,GP-1125T series direct thermal transfer label printer.

This series printer is built with 2sets of gear to drive motor,with capability of handling 300meters long ribbon and large label roll.Printer inner volume is fit for 5" OD(Outer Diameter)paper roll,if using external paper holder,you can install 8.4"OD industrial grade label roll.

This printer is designed for real-time and batch label printing,with standard serial, parallel,USB and Ethernet connection port. Direct thermal printing and thermal transfer printing modes are all in one printer body,so you can choose various kinds of printing materials,for example:thermal paper,plain paper,coated paper,silver paper, plastic paper etc.

Common 1D barcode and 2D barcode fonts are built inside printer,also it support 4 direction printing,characters can be enlarged from 1 to 10 times .Besides,it supports 5 different size bitmap fonts,OCR-A and OCR-B fonts,together with 203dpi higher print resolution,this series printer are your best choice among the same class.

Declaration: This is a class A product,fit for Non Tropic regions installation.This product may cause radio interference in life environment,users may need to takead-equatepreventive measures.

1.1Application Field

● Manufacturing & Warehousing logistic industry
  ◆ Product labeling and marking
  ◆ Warehouse management label
  ◆ Category marking label
  ◆ Operation instruction marking label
  ◆ Distributing instruction marking label

● Healthcare
  ◆ Patients marking
  ◆ Medicine marking
  ◆ Specimen marking

●Retail
  ◆ Price Label marking
  ◆ Product item marking
  ◆ Jewelry product marking

● Parcel Post
  ● Mailing label

● Office & Studio

2.LED indicator and Function

There are two buttons and three LED indicators,many functions can be realized through using different button,indicator and power on/off switch.

2.1LED indicator

Direct thermal printing method.

LED Indicator status	Descriptions
Power indicator is on, Error indicator is off.	Printer is powered on and in normal printing status
Power indicator flashes every 640ms, Error indicator is off.	Printer is paused
Power indicator is off,Error indicator goes for 80ms,then goes off for 160ms,printer start beeping.	Printer cover is opened
Power indicator is off,Error indicator goes on for 500ms,then goes off for 6s.	Label gap detection error
Power indicator is off,Error indicator flashes every160ms,after two times flashing,Error indicator goesoff for 320ms,printer start beeping.	Paper out
Power indicator is off.Error indicator flashes every160ms,after three times flashing,Error indicator goes off for 320ms,printer start beeping.	Black mark detection error
Error indicator flashes every 160ms.	Printer overheated protection mode is activated.After 1minute,the printer CPU will check print head temperature again.When temperature return normal,printer will work normally.

2.2Thermal transfer printing

LED Indicator status	Descriptions
Ribbon indicator is on.	Ribbon is installed successfully
Ribbon indicator flashes every 300ms,beeper sounds every 2.4s	Ribbon improperly installed: no ribbon, or ribbon end, or ribbon broken

Note: Beeper function can be enabled through setting DIP switch.

3.Button Function

1.Feed
When the printer is ready(LED blue fixed),click the button,label paper into the front end of a paper label.

2.Print job timeout
The printer in the print,click the PAUSE button to print suspended.At this time power indicator is blue flashing.Just click the button,the print job resume normal.

3.Start function
The printer has six kinds of power function can be used to set or test the printer hardware.In the boot and press the button with lamp signal release key can start these functions.

Six Power-up Functions:

Function	Descriptions
Self-test page	A.Turn off the printer. B.Make sure the paper roll is installed correctly and the printer top cover is closed. C.Press and hold FEED button and turn on the printer. Selftest page will be printed,then release FEED button. You can use this function to check if printing function is normal or not.
Print DIP Switch page	A.Turn off the printer. B.Make sure the paper roll is installed correctly and the printer top cover is closed. C.Press and hold PAUSE button and turn on the printer. When paper feed and then release FEED button,DIP switch page will be printed out.
Debugging Mode	A.Turn off the printer. B.Make sure the paper roll is installed correctly and the printer top cover is closed. C.Press and hold PAUSE and FEED button and turn on the printer.When Power indicator(blue)and Error indicator (red) are on at the same time,release PAUSE and FEED button,printer goes to Debugging Mode,and you will find below page printed out: `******************** *NOW IN DUMP MODE* ***********************`
Skip AUTO.BAS program	User can use TSPL2 command to save a code auto running file(AUTO.BAS)into to flash.When turn on printer,printer will run the program automatically. If you want to skip AUTO.BAS program on power-up then follow below steps. Press and hold PAUSE and FEED button,then turn on the printer.When Power indicator(blue)is off and Error indicator(red) is on,release PAUSE and FEED button,printer will skip running AUTO.BAS program, and then Power indicator will be on.
Printer Initialization	A.Turn off the printer B.Press and hold PAUSE and FEED button,then turn on the printer.When Power indicator(blue)is on and Error indicaor(red)is off,release PAUSE and FEED button,all data in printer DRAM will be cleared and printer setting will be restored to factory default setting.Then power indicator will be on and printer goes to ready status. *Factory default settings do not include ribbon setting.
Ribbon Detection	When printer power turn on,or it is in thermal transfer printing mode,printer will automatically detect ribbon status,to check if ribbon installed,or ribbon end,or work normally.After ribbon detecting,printer will be set to thermal transfer printing mode or direct thermal printing mode and close ribbon rolling motor function.

4.DIP SWITCH FUNCTION

DIP No.	Function	ON	OFF
1	Beeper	Disabled	Enabled
2	Reserved	———	———
3	Ribbon detect	Disabled	Enabled
4	Sensor	High sensitivity	Normal Sensitivity
5	Power on paper feed	Disabled	Enabled
6	Reserved	———	———
7&8	Baud rate set	———	Default value

BAUD RATE:

7	8	BAUD RATE
OFF	OFF	9600*
OFF	ON	19200
ON	OFF	38400
ON	ON	115200

*is default value.

ON
1 2 3 4 5 6 7 8
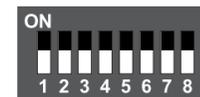
5.Troubleshooting

5.1Common problem

Below the table of contents is generally the common problems and solutions;if you have been in our proposed methods of eliminating the fault,and the printer is not normal operation,co check with your purchase customer service department,so as to get more help.

Problems	Possible Reasons	Solution andSuggestion
Power indicator not "ON"	Plug to AC outlet and plug to printer not well connected	Check power connector and AC outlest if plugs are correctly connected
	Printer power not turned on	Turn on power switch
	Print head not well closed	Close print head by pressing whole print head mechanism (or 2arrow location)
	Ribbon end	Change new ribbon
	Ribbon improperly installed	Refer to Ribbon Installation steps in User Manual to re-install ribbon
	Label paper end	Change new label paper
	Label paper improperly installed	Refer to Paper Installation steps in User Manual to re-install paper
	Gap sensor detection error	Adjust paper specification and print again
	Label paper jamed inside printer	Clear jamed paper
Not printing	Serial cable improperly connected	1.Check if Pin configuration in cable two sides are matching each other; 2:Check if baud rate setting on PC and printer are the same,If in TPSL,command mode,We suggest 960,n,8,1to ensure higher reliability. 3.Change a new cable
	USB cable improperly connected	Check if USB cable connected well or change a new cable
Not printing	Ethernet cable improperly connected	1.Check if RJ-45 green/orange LED indicator is on.When printer receive and process printing data,LED will be orange color; 2.Check if printer IP is assigned in DHCP mode 3.Check if fixed IP address is correctly set in printer property. Wait for some minutes to make sure printer is connected server and printing a selftest page to confirm printer IP address. 4.Change a new ethernet cable.
	Ribbon non standard	Check if ribbon model and specification
	Ribbon printing side wrong installed	Check and re-install ribbon to make sure printing side touch label paper
	Print head not clean	Clean print head and print again
	Print density setting wrong	Suggest density set to be 7
	Print head cable not well connected	Re-connect print head cable
	Step Motor cable not well connected	Re-connect step motor cable
	Command setting wrong	Check if there is PRINT command at the end of printing file; or if there is CRLF command at the end of every line.
Not good printing quality	Ribbon and label improperly installed	Re-install ribbon and/or label
	Too much dust or adhesive on print head	Clean print head and print again
	Print head damaged	Take selftest page to check if printing is completely to confirm if necessary to change new print head
Data miss printing in one or two sides	Label paper size wrong setting	Check if label size set correctly and same as your label paper
Ribbon wrinkle	Print head unbalanced stress; ribbon & label improperly installed; Label feeding not smoothly	Reset the label print density and adjust paper width fixing stand to fit your label paper size
Printing not stable	Printer in HEX Dump mode or RS-232 setting wrong	Restart your printer and leave Dump Mode or reset RS-232 PARAMETER