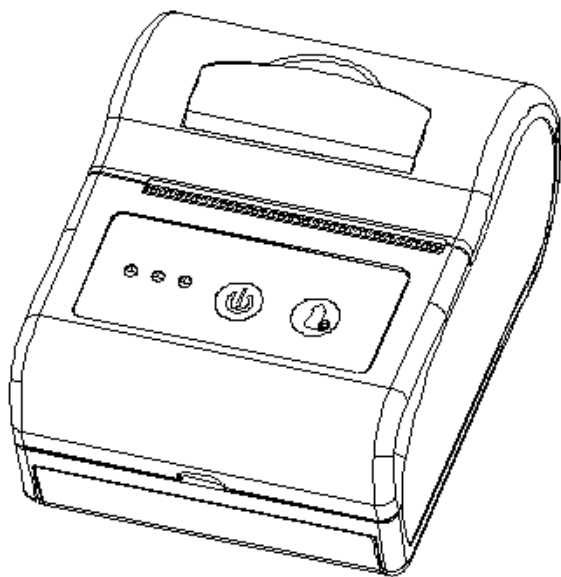


P58A Portable Thermal Printer

User's Manual



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1 Introduction

1.1 Brief introduction

P58A is a thermal receipt printer. It has good printing quality and high stability, which is widely used in POS system, food service industry and many other fields.

P58A connects other devices with USB port or Bluetooth. It offers drivers for WINDOWS and LINUX operating systems.

The supported operating systems are as below:

WINDOWS XP

WINDOWS 7 32/64

WINDOWS 8

UBUNTU 12.04 32/64

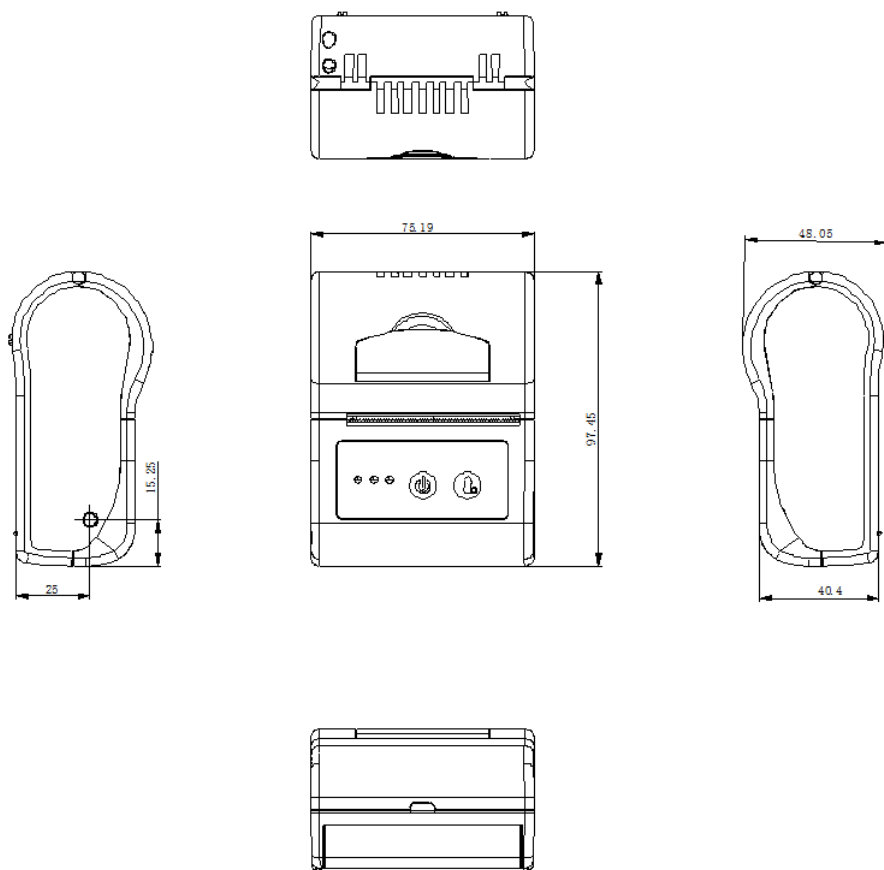
UBUNTU 14.04 32/64

1.2 Main features

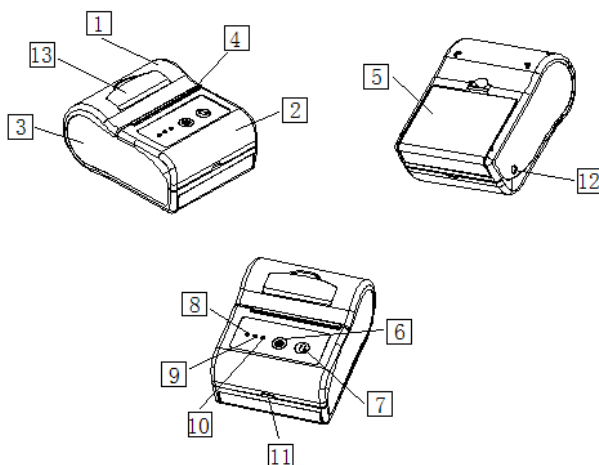
- 1) Battery power, easy move.
- 2) Low noise and high printing speed.
- 3) Easy paper loading.
- 4) Easily use and maintain.
- 5) Support USB interface.
- 6) Support Bluetooth communication print.

2 Outline & Parts

2.1 Outline



2.2 Parts



1 Cover of paper warehouse

2 Top cover

3 Body

4 Paper cutter

5 Battery

6 Power button

7 Paper feeding button

8 Power indicator

9 Battery indicator

10 Bluetooth indicator

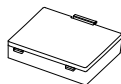
11 USB port

12 Battery charging port

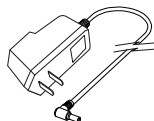
13 Open cover handle

2.3 Accessories

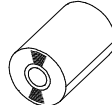
Battery



Battery charger



Paper roll



USB Cable



Note: Please make sure everything is in good status when you open the package. Otherwise, please contact to your distributor in time.

3 Specifications

3.1 Specifications

Item		Parameter
Printing parameter	Printing method	Thermal printing
	Resolution	203DPI,8 dots/mm
	Printing width	48mm(384dots)
	Printing speed	About 70-80mm/s
	Interfaces	Standard: USB interface Wireless Communication : Bluetooth
Command set	/	ESC/POS compatible commands
Storage	RAM	Receive buffer area 4K Bytes
	FLASH	FLASH 4M bytes, NV bitmap 64K bytes
Characters	Chinese	GB18030 24×24
	Words, figures	ASCII 9×17,12×24
	User-defined	Support
	Code pages	Optional international character sets 45 TRADITIONAL CHINESE CHINESE CP437 [U.S.A., Standard Europe] Katakana CP850 [Multilingual] CP860 [Portuguese] CP863 [Canadian-French] CP865 [Nordic] WCP1251 [Cyrillic] CP866 Cyrillic #2 MIK[Cyrillic /Bulgarian] CP755 [East Europe, Latvian 2] Iran CP862 [Hebrew] WCP1252 Latin I WCP1253 [Greek] CP852 [Latina 2] CP858 Multilingual Latin I +Euro) Iran II Latvian CP864 [Arabic] ISO-8859-1 [West Europe] CP737 [Greek] WCP1257 [Baltic] Thai CP720[Arabic] CP855 CP857[Turkish] WCP1250[Central Europe]

		CP775 WCP1254[Turkish] WCP1255[Hebrew] WCP1256[Arabic] WCP1258[Vietnam] ISO-8859-2[Latin 2] ISO-8859-3[Latin 3] ISO-8859-4[Baltic] ISO-8859-5[Cyrillic] ISO-8859-6[Arabic] ISO-8859-7[Greek] ISO-8859-8[Hebrew] ISO-8859-9[Turkish] ISO-8859-15 [Latin 3] Thai2 CP856
Chart	/	Supports different density dots and images printings
		Supports grating bitmap printing
		Supports download bitmap printing, every bitmap size should less than 64K, and the total capacity of download bitmap is 64K.
Bar codes	1D	UPC-A、UPC-E、EAN-8、EAN13、CODE39、ITF、CODEB AR、CODE128、CODE93
	2D	QR Code
Detection function	Sensor	Paper out
LED indicator	Power indicator	Red
	Battery indicator	Green
	GPRS indicator	Blue
Thermal paper	Type	Standard thermal receipt paper
	Width	57.5±0.5mm
	Thickness	0.065~0.1mm
	Diameter	38mm(Max.)
Physical characteristics	Paper loading	Easy paper loading
	Paper cutting	Manual cut paper
	Operating condition	-10℃ ~ 50℃, 25% ~ 80%RH
	Storage condition	~40℃ ~ 70℃, ≤93%RH (40℃)
	Outline dimension	97.5mm×75mm×48mm (W×L×H)
	Weight	0.2Kg
Reliability	TPH life	50km
	Motor life	360,000 hours
Software function	Driver procedure	Windows (WIN7/WIN8/Vista/XP/2000) Ubuntu 12.04 32/64, Ubuntu 14.04 32/64

3.2 Printing material requirements

3.2.1 Paper parameters

Paper type: thermal receipt paper
Paper width: 57±0.5 mm
Paper roll diameter: 38 mm (Max.)
Paper thickness: 0.065mm ~ 0.10mm

3.2.2 Printing paper using attention



Note:

- 1) Please use good quality paper, otherwise, it will effect printing quality and even reduce printer head life.
- 2) Don't make the paper stick on axis.
- 3) Paper will be fading out or reduced thermal sensitivity if it is polluted by chemical or oil, which will affect printing effects.
- 4) Don't use nail or hard things to clash printing paper. Otherwise, it will be fading out.
- 5) Paper will be fading out if the environment temperature exceeds 70°C. So, please take notice the temperature, humidity and illumination effects.

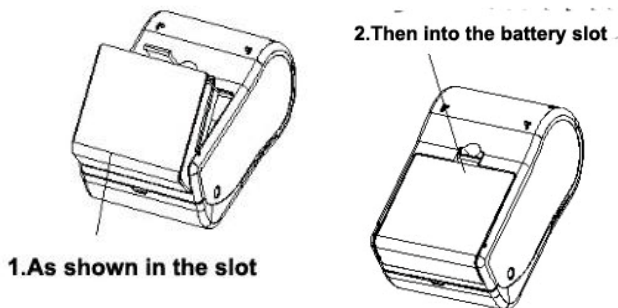
4 Use-methods

4.1 Requirements of installation position

- 1) Put the printer on a stably place.
- 2) Let the printer far away from water, fire, and sunlight.
- 3) Avoid putting it on oscillatory and impassive place.
- 4) Make sure to connect printer with ground safety

4.2 Preparation before using

4.2.1 Battery installation



4.3 Paper roll loading

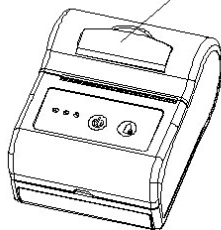
4.3.1 Printing paper type confirmation

You can load paper roll to print after power ON and connecting communication cables. Please make sure the printing paper type before printing. The default paper type is continuous thermal receipt paper.

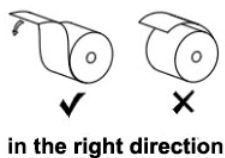
4.3.2 Loading or change paper roll

- 1) Power off the printer;
- 2) Turn up the cover.

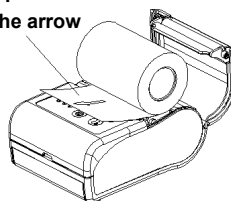
1. turn up the cover



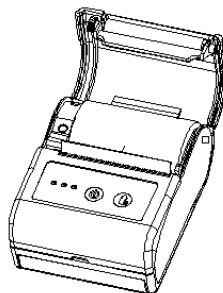
3) According to the figure in the right direction to roll paper bin.



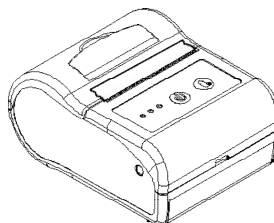
2. Load Paper in the direction shown by the arrow



4) Draw out a section paper, and leave some on the paper out month, then close the storehouse cover.



4) The status after close the storehouse cover.



4.4 indicator

Indicator	Status	Description
Power indicator	ON	Printer is power on
	OFF	Printer is power on
	Flicker	Printer is waiting status
Battery indicator	OFF	Power enough
	Flicker	Low power
Bluetooth indicator	ON	Linked
	OFF	No link

Operation/ Status	Power indicator	Battery indicator	Bluetooth indicator	Buzzer
Power on	ON	OFF		Beep 1 times
Power off	OFF	OFF		Beep 2 times
Standby status	Slowly flicker	OFF		
Feed	ON	OFF		Beep 1 times
Print paper enough	ON	OFF		
Less paper or open cover	Slowly flicker	Slowly flicker		
Bluetooth linked	ON	OFF	ON	
Battery low power (20%)	OFF	Slowly flicker		Beep 4 times by 60s
Battery charging	OFF	Quickly flicker		Beep 1 times
Fully charged	ON	ON		



Note: Printer detects printer head temperature via thermal resistance. It will cut off print head power and stop printing if print head is overheat. The print head protection temperature is 80℃.

5 Basic functions

5.1 Power ON

When the printer is power off, press down [POWER] button and hold for 2 seconds, then the printer will power on and enter working status, and the power indicator light (red).

5.2 Power OFF

When the printer is power on, press the [POWER] button and hold for 2 seconds, then the printer will power off the power supply and the power indicator light turns off.

5.3 Print self-test sheet

- 1) Make sure the printer loaded paper roll correctly.
- 2) Press down [FEED] button and hold on, then press down [POWER] button to power on the printer, the printer will print a self-test sheet.

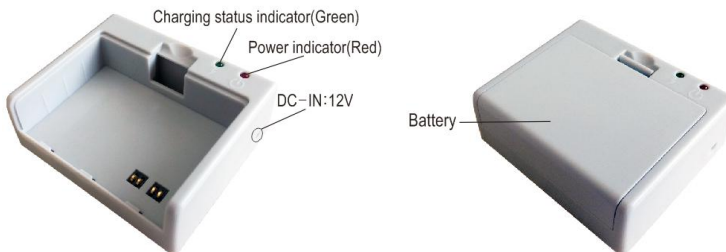
5.4 Feed paper

When the printer is in normal working condition, press the [FEED] button, then the printer will feed a section paper.

5.5 Battery charging

If the printer's battery indicator (green) is flickering and print paper is enough, it indicating that the printer's battery is about to running out of electricity, if you still want to use the printer, please replaces the printer's battery or charges it as soon as possible.

For safety reasons, please power off the printer while battery charging. Also, you can use the P58A special charging seat to charge the battery.



Charging status indicator (Green)	ON: Charging
	OFF: Fully charged or battery is not install

⚠ Note: Specifications of Power adapter (for battery charging):

Input: 100-240VAC, 50/60Hz, 0.3A, **Output:** 12V, 1.0A

5.6 Link to Bluetooth

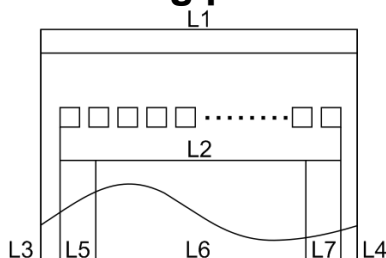
The printer is provided with a Bluetooth communication function. Support communication with Bluetooth devices using Android systems or Apple systems.

Bluetooth connection method: after the printer power on and enter normal work status, search the printer with Bluetooth communications equipment, select the corresponding printer, enter the password "0000" to finish connecting.

5.7 Link to PC via USB cable

Connecting to PC by USB cable which attached by printer. If the operation system of PC is Windows XP or above, under normal circumstances no longer need to install the driver.

6 Printing position



L1-Paper storehouse's width: $58 \pm 0.5\text{mm}$

L2-Effective printing width: 48mm

L3-Distance between print head to paper storehouse's left edge (fixed width): $4 \pm 0.3\text{mm}$

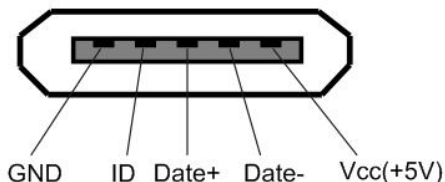
L4-Distance between print head to paper storehouse's right edge (fixed width): $4 \pm 0.3\text{mm}$

L5-Left margin: Default is 4mm

L6-Printing area width: it is set by commands (refer to programming manual), default is 48mm.

L7-Right margin: Default is 4mm.

7 Interface (Micro-USB)



8 Faults handling

Please refer to the methods as below when printer can't work normally. Please contact your supplier directly, if it still doesn't work normally.

8.1 Printer does not work

Problems	Probably reasons	Solutions
Power indicator is not light, printer does not work.	Battery without electricity	Charge battery
	Printer is power off	Power on the printer
	Printer is damaged	Contact to your supplier or factory directly

8.2 Problems when it is printing

problems	Probably reasons	solutions
Color strips occur on the paper	Paper maybe run out	Load a new paper roll.
Printing is not clear or have dirty spots	Paper roll loading incorrectly	Check paper roll loading correctly or not
	Paper can't meet the requirements	Use the recommended thermal paper
	Print head or printer rubber roller is dirty	Clean print head or printer rubber roller by soft cotton stick with alcohol
	Printing density sets too light	Increase printing density to satisfy the requirements
Paper can output normally	Paper jam	Open upper cover or check paper feed channel to get to know paper jam.
Printing contents get lost	Print head or printer rubber rollers is dirty	Clean print head or printer rubber roller by soft cotton stick with alcohol
	Print head damaged	Contact to your supplier or factory directly

Xiamen Kaicong Electronic Technology Co., Ltd.



P58A V1. 0 160701

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.