Downloads Bz Tech

bztech

Maior portal de Automação Comercial do Brasil!
Encontre o que sua empresa precisa com preços especiais,
atendimento especializado, entrega rápida e pagamento facilitado.

Impressora Sewoo LK-P12II

A Impressora de Etiquetas Portátil Sewoo LK-P12II é compacta, mas poderosa, mantendo uma bateria de longa duração e grande capacidade de papel. Oferece a flexibilidade de ajuste a uma ampla gama de requisitos, não apenas na largura do papel (2 polegadas), mas também na conectividade..

bztech.com.br

sewoo

J. STEPHEN Lab., Ltd.

28-6, Gajangsaneopdong-ro, Osan-si, Gyeonggi-do, 447-210 Republic of Korea
TEL : +82-31-8077-5000 FAX : +82-31-459-8880
www.miniprinter.com

P12Ⅱ(Non Peeler) Rev. B 10/16

USER'S MANUAL / Non Peeler

MODEL : LK-P12Ⅱ

All specifications are subject to change without notice

Caution

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTION

Disposal of Old Electrical&Electronic Equipment(Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste.
Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronics equipment. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Table of Contents

1. Safety Caution	4
2. Unpacking	6
3. Product Overview	7
4. Setting Up the Product	8
4-1. Display	8
4-2. Installing the Battery	9
4-3. Removing the Battery	10
4-4. Charging the Battery	11
4-5 Usage of Cigar Jack Charger	12
4-6. Belt clip Usage	13
4-7. Roll Paper installation	14
4-8. Shoulder Strap Installation	15
4-9. Diagnostic Test	16
5. Peripherals Connection	18
5-1. Bluetooth Connection	18
5-2. Wi-Fi Connection	18
5-3. Interface Cable Connection	19
6. Printer Cleaning	20
6-1. Printer Head Cleaning	20
6-2. Platen Roller Cleaning	21
7. Roll media specification	22
8. Label specification	23
9. Printer Specification	24
9-1. Specification	23
10. CPCL Command Compatibility	26
11. ESC/POS Command Compatibility	29
12. ZPL Command Compatibility	31

1. Safety Caution

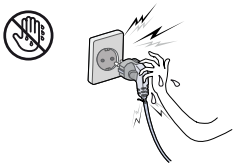
For higher reliability and safety, consider the following precautionary measures.
Read and follow the instructions carefully before running of the product.

Indication

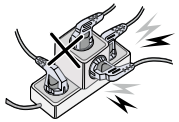
- Prohibition
- Must follow
- Do not disassemble
- Unplug the power from the outlet
- Grounding to prevent electric shock
- Do not handle the product with wet hands

WARNING

Failure to follow these instructions could result in fire, electric shock, or other injuries, or property damage

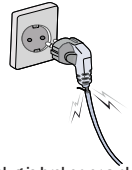


Do not pull or touch the power plug with wet hands.
(Potential risk of electric shock or fire)



Do not overload the power plug into one outlet.
(Potential risk of electric shock or fire)

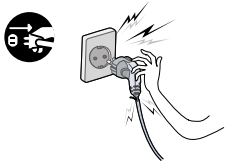
Do not bend the wire and do not allow the wire to be pressed by heavy object.
(Potential risk of electric shock or fire)



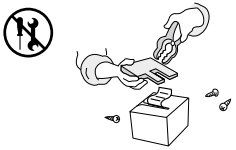
If a power plug is broken or a plug is cut or worn, do not use it.
(Potential risk of electric shock or fire)

WARNING

Failure to follow these instructions could result in fire, electric shock, or other injuries, or property damage



Do not pull out the power plug to turn off the product.
(Turn off the power at installation, transportation, wiring and inspection.)

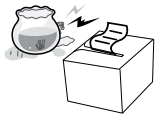


Do not disassemble, repair or modify the product.
(Potential risk unit malfunction, electric shock or fire. When the product needs to be repaired, please contact in place where you ordered.inspection.)

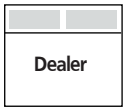
CAUTION

Failure to follow these instructions could result in fire, electric shock, or other injuries, or property damage

Do not install the product in uneven or inclined surface.
(You may get hurt and it can be broken when it falls)



Keep product away from the water and other material.
(Potential risk of discoloration or electric shock)

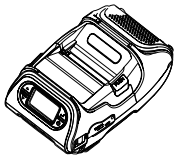


If the product that needs to be repaired, please contact in place where you ordered.
(Potential risk of fire or unit malfunction)

Please do not give excessive shock.
(Potential risk of fire or unit malfunction)

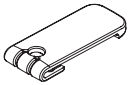
2. Unpacking

Standard

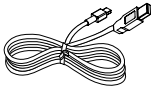


Printer

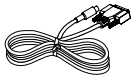
Battery



Belt Clip

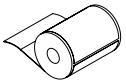


USB Cable



Serial Cable

Recharger

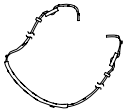


Paper

CD

Quick Reference

Optional

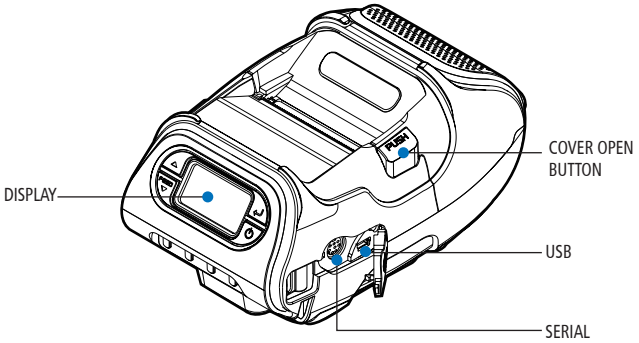


Shoulder Strap

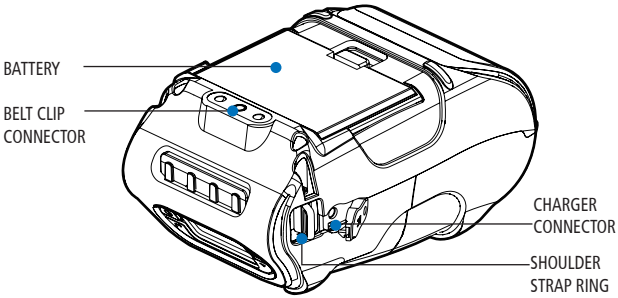
Cigar jack

3. Product overview

Front

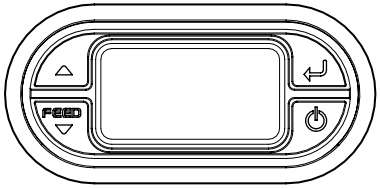


Bottom



4. Setting Up the Product

4-1. Display

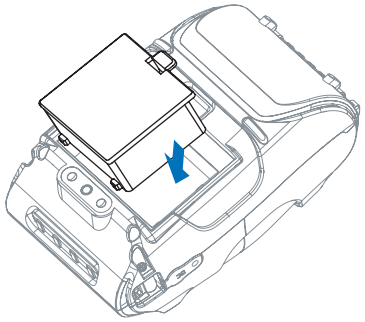


Button	Name	function
FEED ▽	Paper Feed/ Down button	Advances the supply. Clears error message. Moves down through menu options. 1. Refer to "4-9" for Diagnostic Test information. 2. Refer to the service manual regarding Hexadecimal Dumping.
↵	Enter button	Selects the highlighted menu option.
△	Up button	Moves up through menu options.
⏻	Power button	Turns the printer on and off. Press to turn power on. Press for three seconds to turn power off. Wakes the printer from sleep mode.

☑ NOTE

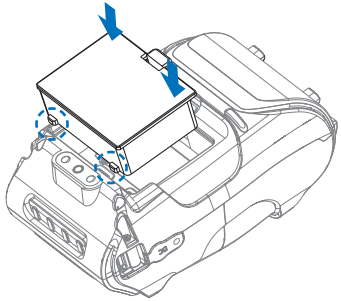
1. The battery status icon in LCD indicates amount of power remaining. Actual run-time remaining depends on factors such as the contents of output, distance to computer, etc.
2. When the battery level is very low, high density printing can result in the printer switching off during printing resulting in possible loss of data.

4-2. Installing the Battery



Remove the battery. Insert the battery as shown.

1
2

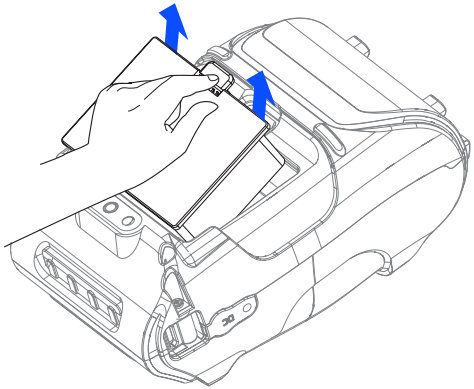


Replace the battery.

☑ NOTE

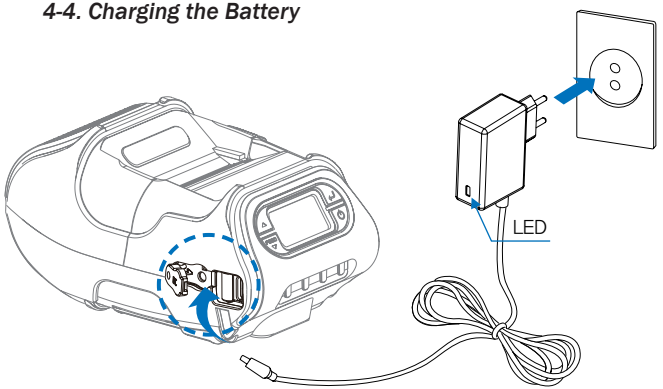
You must fully charge the battery when you receive the printer.
Batteries can be charged in the printer or in an optional external cradle.

4-3. Removing the Battery



Remove the battery. Lift out the battery.

4-4. Charging the Battery



1. Be sure that the printer is turned off.
2. After open the DC JACK cover, insert DC JACK into the printer.
3. Plug the power cord to electrical outlet.

4-4-1 The status of lamp in charging

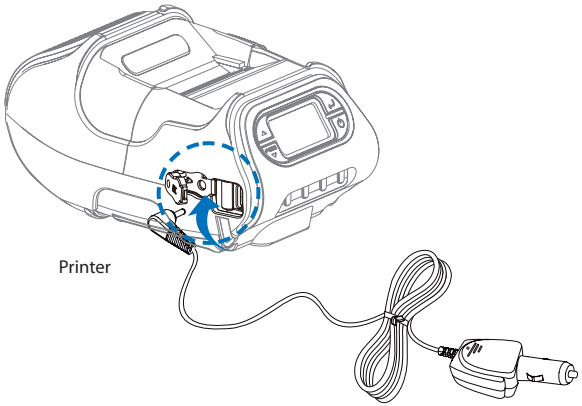
Status	charging	charging complete
Charging Lamp	Red	Green

NOTE

If there is trouble while charging the battery, the charge indicator LED blinks green.
Try unplugging and reconnecting charger, charging should resume.
Charging is complete when the LED changes to solid green.

4-5. Usage of Cigar Jack Charger

Optional



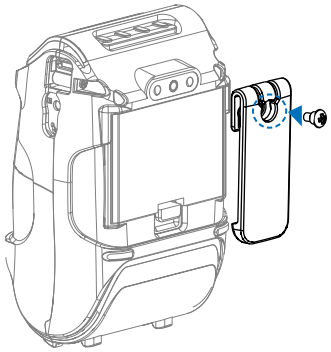
Connect the vehicle charger to the printer.

Input	12 ~ 24V
Output	8.4V 0.8 ~ 1.2A

NOTE

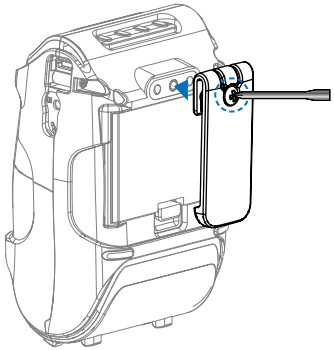
Connect the vehicle charger to the printer.

4-6. Belt clip Usage



Insert screw into belt clip.

1
2

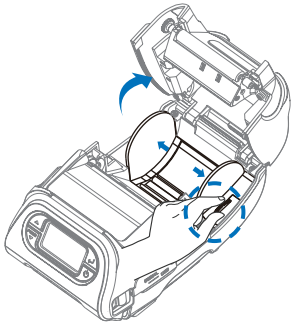


Tighten the screw with driver as shown.

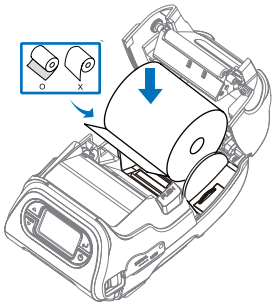
NOTE

The belt clip is included with the printer but is not required to be used or installed!

4-7. Roll Paper installation

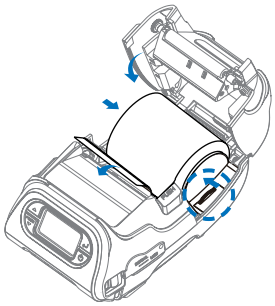


Open the Paper cover by pressing the Open button and set the width of paper guide by turning the knob with finger.

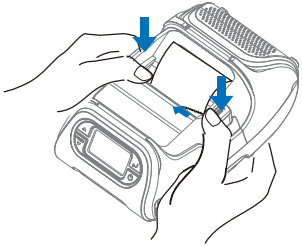


Put the stock in so it unrolls from the bottom. Remove the stock core when it is empty. Pull a short length of stock out of the printer.

1 2
3 4



Close the cover.



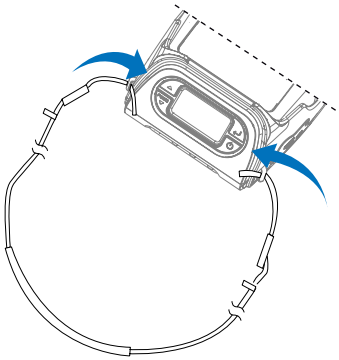
Close the paper with both hands and run the paper line up by pressing feed button.

☑ NOTE

If the users close the cover with one hand, it would not be closed completely. Please use both hands to close.

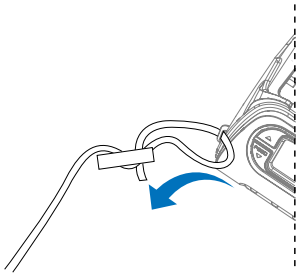
4-8. Shoulder Strap Installation

Optional

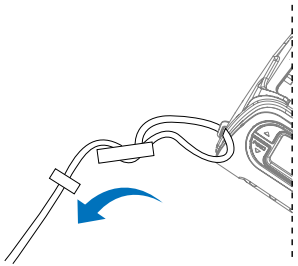


Insert the strap into the hook of the printer.

1
2 3

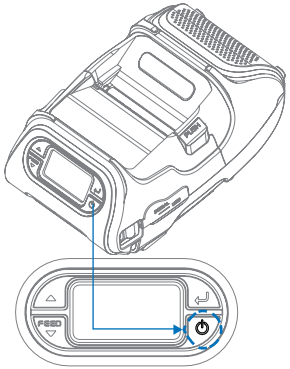


Place the end of the strap into the hook of shoulder strap.

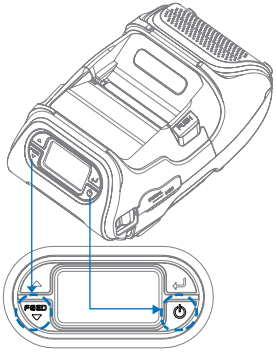


After pulling out the end of the strap tightly, put it into the clip to be fastened.

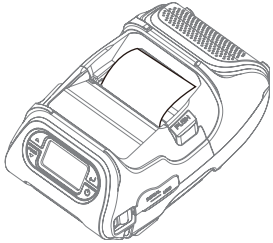
4-9. Diagnostic Test



Turn off the printer.



Press and hold the feed button and power button.



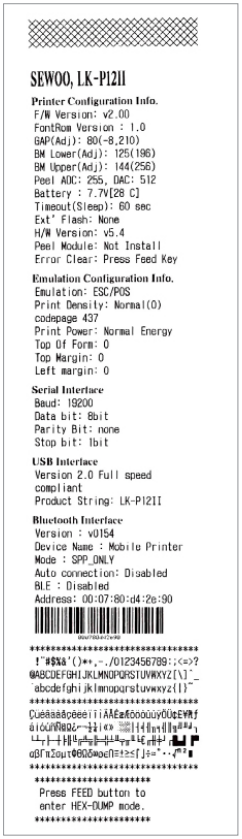
The information label prints.

1 2 3

NOTE

1. For Hex Dump mode, do steps 1-2 then press the feed button.
2. After printing ASCII pattern, the diagnostic test is complete.
3. If the feed button is not pressed to go to Hex Dump mode, the printer exits diagnostics after three seconds.

The sample of self test printout



SEWOO, LK-P121I

Printer Configuration Info.
F/W Version: v2.00
FontRom Version : 1.0
GAP(Adj): 80(-8,210)
BM Lower(Adj): 125(196)
BM Upper(Adj): 144(256)
Peel ADC: 255, DAC: 512
Battery : 7.7V[28 C]
Timeout(Sleep): 60 sec
Ext' Flash: None
H/W Version: v5.4
Peel Module: Not Install
Error Clear: Press Feed Key

Emulation Configuration Info.
Emulation: ESC/POS
Print Density: Normal(0)
codepage 437
Print Power: Normal Energy
Top Of Form: 0
Top Margin: 0
Left margin: 0

Serial Interface
Baud: 19200
Data bit: 8bit
Parity Bit: none
Stop bit: 1bit

USB Interface
Version 2.0 Full speed compliant
Product String: LK-P121I

Bluetooth Interface
Version : v0154
Device Name : Mobile Printer
Mode : SPP_ONLY
Auto connection: Disabled
BLE : Disabled
Address: 00:07:80:d4:2e:90

Press FEED button to enter HEX-DUMP mode.

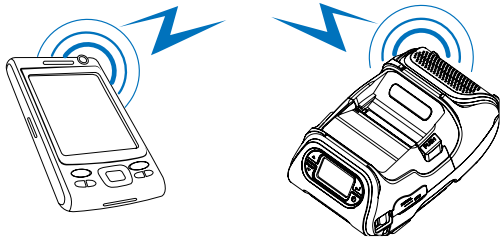
Upon initial installation or for troubleshooting, you can run the diagnostic test to get information about: Firmware version, emulation, codepage, sensor settings, interface settings, etc. If no issues are found with diagnostic test, examine other devices and software. The diagnostic test is working independent of devices and software.

● Do not overheat the motor

To prevent the motor from overheating, stop the printer for at least 30 seconds after continuously printing 1.5 meters.

5. Peripherals Connection

This product can communicate with other devices via Bluetooth or Wi-Fi communication and cable.



5-1. Bluetooth Connection *Optional*

1. Printer can be connected to the PDA and PC which can do wireless communication.

2. By using Bluetooth function supported in PC, printer can be connected.

NOTE

Refer to the System Administrator Guide for more information.

5-2. Wi-Fi Connection *Optional*

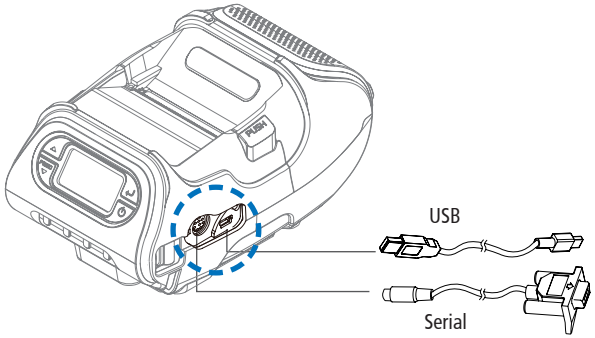
1. The Printer can be connected to devices equipped with Wi-Fi(802.11a/b/g/n) communication capacity. (PDAs, PCs, etc.)

2. Use the Wi-Fi(802.11a/b/g/n) connection function supported by the device to connect to the printer.

NOTE

Refer to the Wi-Fi(802.11a/b/g/n) Manual for more details on connection.

5-3. Interface Cable Connection



1. Connect the USB or Serial cable to the cable connector on the printer.

NOTE

Use only the cables offered by the printer manufacturer.

2. Connect the interface cable into the USB or Serial port of the device (PDA, PC, etc.)

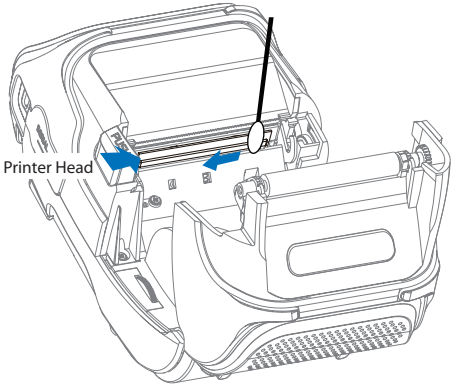
6. Printer cleaning

If the interior of the printer is dusty, printing quality can be lowered.
In this case, follow the instructions below to clean the printer.

6-1. Printer Head Cleaning

1. Use an applicator swab moistened with an isopropyl alcohol to clean the printer head and remove any dust.

2. Once cleaning is complete, allow the printer to dry then install the stock and close the cover.



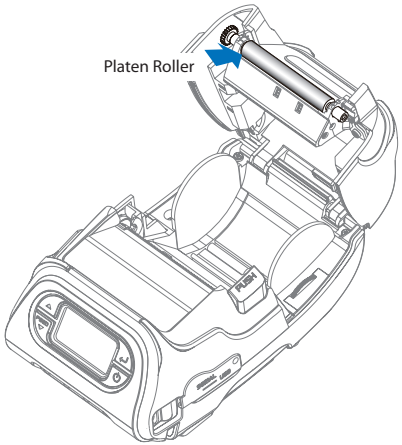
☑ NOTE

1. Make sure to turn the printer power off prior to cleaning.
2. The printer head can become very hot during printing; allow the printer approximately 10 minutes to cool before cleaning.
3. Do not touch the printer head, it can be damaged by static electricity.
4. Take care not to allow the printer head to become scratched and /or damaged in any way.

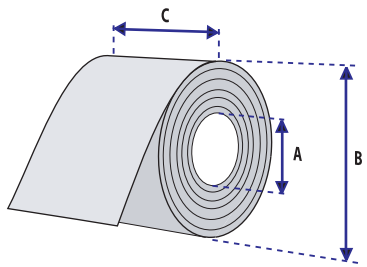
6-2. Platen Roller Cleaning

1.Clean the platen roller with a clean soft cloth moistened with isopropyl alcohol or a cleaning pen.

2. Turn the platen roller with your finger to clean the entire surface.



7. Roll media specification



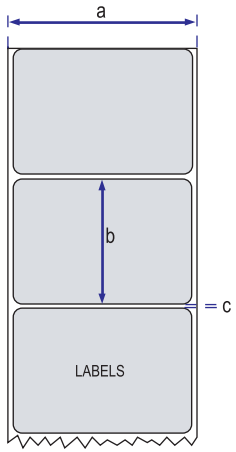
Core	
Diameter(A)	12.5 mm +/-0.5 mm
Roll	
Max.diameter(B)	Max. Φ56 mm
Max.media width(C)	58±0.5 mm
Min.media width(C)	12.7±0.5 mm
Max.media thickness	0.16 mm
Min.media thickness	0.06 mm

Caution

Protect the media against sand, grit, and other hard particles during printing and storage. Keep the cover closed. Even very small foreign particles may cause severe harm to the delicate printhead.

8. Label specification

<-- a --> Media width (inch, liner)	
Maximum	54±0.5 mm
Minimum	8.7±0.5 mm
<-- b --> Label length	
Minimum	12.7~300 mm
<-- c --> Label gap height	
Maximum	8.3 mm
Minimum	1.8 mm
Liner	
Opacity	50~75%



9. Printer Specification

9-1. Specification

Printing	Medhod	Direct Thermal
	Speed	127mm/sec
	Width	48mm, 384 Dots/line
	Resolution	203 DPI
Dot Pitch		8 Dot/mm, 0.125 Pitch
Character Per line (ESC/POS)	Font A(12x24)	32 columns
	Font B(9x17)	42 columns
Character	ESC/POS	FontA(12x24), FontZB(9x17), Asian Font(KOR, JPN,CHN_GB2312,CHN_BIG5)
	CPCL	Font0/1/2/4/5/6/7, 24x24 Asian Font(KOR, JPN,CHN_GB2312,CHN_BIG5), Resident TTF, Downloadable TTF
	ZPL	FontA~H, FontGS,Resident TTF(Font0), Downloadable TTF
	EPL	Font1 ~ 8
Barcode	ESC/POS	1D: EAN-8, EAN-13, Code39, ITF, UPC-A, UPC-E, Codabar, Code93, Code128 2D: QR, PDF417
	CPCL	1D: LUPC-A(+2,+5), UPC-E(+2, +5), EAN13(+2, +5), EAN8(+2,+5), Code39 etc. (CPCL) 2D: QR, PDF417, MicroPDF417, Maxicode, Datamatrix, Aztec, TLC39, RSS14
	ZPL	1D : Code11, ITF, Code39, Planet, EAN-8, UPC-E, Code93, Code128 etc. (ZPLII) 2D: QR, PDF417, MicroPDF417, Maxicode, Datamatrix, Aztec, TLC39, RSS14
	EPL	1D : Code39, Code93,Code128,Codabar,EAN-(+2,+5), EAN13(+2,+5),ITF etc. (EPLII) 2D : QR, PDF417, Maxicode, Datamatrix, Aztec, RSS14
Emulation		ESC/POS, CPCL, ZPL/EPL Command compatible
Driver		Windows Driver(10, 2012, 8, 7, 2008, VISTA, 2003, XP, 32bit & 64bit), Window CE & Mobile Driver & SDK(CE 4.2~, Mobile 5.0~), Linux Driver, Mac Driver, OPOS Driver, JavaPOS Driver, iOS SDK, Android(2.1~) SDK, Blackberry SDK, Symbian

Sensor		Black-Mark Upper/Lower, Gap, Cover open, Media-Width Detect
Drop Resistance		1.5M onto concrete
LCD		FSTN LCD 128 x 64 dots
Paper	Paper type	Thermal Paper
	Width	12.7~58mm
	Thickness	0.06 ~ 0.16mm
	External Diameter	Max. Φ56mm
	Internal Diameter	12.5mm±0.5mm
Reliability	TPH	50km
	Battery	Standby for 85hours
Communications	Standard	Serial(RS-232C), USB
	Optional	Bluetooth Smart ready 4.2 or Wi-Fi (802.11a/b/g/n)
Battery Charger	Input	AC100~240V, 50/60Hz
	Output	8.4V , 800~1200mA
Battery	Battery type	Li-ion
	Output	7.4V, 2600mAh/19.24Wh
	Charging time	Less than 3Hrs
Size	WxDxH(mm)	104 x 158 x 85
	WxDxH"	4.1 X 6.22 X 3.34
Weight		570g
Environmental sealing		IP42
Temperature	Operation	-10~50℃
	Storage	-20~60℃
Humidity	Operation	35 ~ 80%
	Storage	10 ~ 90%

8. CPCL Command Compatibility

☑ NOTE

Compatible	Compatible with only commanders provided by the manufacturer.	Partially Compatible	Not Compatible
○	●	△	x

Printer Commands	Compatibility
PRINT	○
FORM	○
JOURNAL	○
UNITS	○
USING COMMENTS	○
TEXT	**Compatibility**
TEXT	○
FONT-GROUP(FG)	○
TEXT CONCATENATION	○
MULTILINE(ML)	○
COUNT	○
SETMAG	○
SCALABLE TEXT	**Compatibility**
SCALE-TEXT	○
SCALABLE CONCATENATION	○
LINEAR BARCODES	**Compatibility**
BARCODE	○
BARCODE-TEXT	○
COUNT	○
Two-Dimensional Bar Codes	**Compatibility**
PDF417 (PORTABLE DATA FILE)	○
MICROPDF-417	●
MAXICODE	○
QRCODE	○
DATAMATRIX	●
GS1(RSS-14)	○
AZTEC	○
GRAPHICS	**Compatibility**
BOX	○
LINE	○
INVERSE-LINE	○
PATTERN	○
GRAPHICS	○
PCX	○
Advanced Commands	**Compatibility**
CONTRAST	○
TONE	○
JUSTIFICATION	○
PAGE-WIDTH	○
PACE	○
NO-PACE	○
WAIT	○
SPEED	○
SETSP	○
ON-FEED	○
PREFEED	○
POSTFEED	○
COUNTRY/CODE PAGE	○
FORMAT FILES	○
BEEP	○
Line Print Mode	**Compatibility**
SETLP	○
SETLF	○
Moving With X and Y Coordinates	○
LMARGIN	○

SETBOLD	O
SETSP	O
Special ASCII Characters	O
SETFF	O
SET-TOF	O
SETLP-TIMEOUT	O
ADVANCED UTILITIES	**Compatibility**
VERSION	O
CHECKSUM	O
DEL	O
DIR	O
DEFINE-FILE	O
TYPE	O
BAUD	O
COUNTRY / CODE-PAGE	O
TIMEOUT	O
BEED	O
ON-LOW-BATTERY	O
LT	O
SET-TIME	O
GET-TIME	O
SET-DATE	O
GET-DATE	O
PRINTING A TIME STAMP	O
PRINTING A DATE STAMP	O
PAPER-JAM	O
PRINTER ESCAPE	**Compatibility**
SET AND READ CODE	△
STATUS / INFROMATION	O
USER LABEL COUNT	O
POWER OFF	O

9. ESC/POS Command Compatibility

Command	Function	Compatibility
HT	Horizontal tab	O
LF	Print and line feed	O
CR	Print and carriage return	O
FF	Print end position label to start printing	O
CAN	Cancel print data in page mode	O
DLE EOT	Real-time status transmission	O
DLE ENQ	Real-time request to printer	O
ESC FF	Print data in page mode	O
ESC SP	Set character right-side spacing	O
ESC !	Set print mode	O
ESC $	Set absolute print position	O
ESC %	Select/cancel user-defined character set	O
ESC &	Define user-defined characters	O
ESC *	Set bit image mode	O
ESC -	Turn underline mode on/off	O
ESC 2	Set 1/6 inch line spacing	O
ESC 3	Set line spacing using minimum units	O
ESC ?	Cancel user-defined characters	O
ESC @	Initialize printer	O
ESC D	Set horizontal tab positions	O
ESC E	Select emphasized mode	O
ESC G	Select double-strike mode	O
ESC J	Print end feed paper using minimum units	O
ESC L	Select page mode	O
ESC M	Select character font	O
ESC R	Select international character set	O
ESC S	Select standard mode	O
ESC T	Select print direction in page mode	O
ESC V	Set/cancel 90°cw rotated character	O
ESC W	Set printing area in page mode	O

Command	Function	Compatibility
ESC＼	Set relative position	O
ESC a	Align position	O
ESC d	Print and feed paper n lines	O
ESC t	Select character code table	O
ESC {	Set/cancel upside-down character printing	O
FS p	Print NV bit image	O
FS q	Define NV bit image	O
GS !	Select character size	O
GS $	Set absolute vertical print position in page mode	O
GS *	Define downloaded bit image	O
GS /	Print down-loaded bit image	O
GS B	Turn white/black reverse printing mode on/off	O
GS H	Select printing position of HRI characters	O
GS I	Transmit printer ID	O
GS L	Set left margin	O
GS W	Set printing area width	O
GS＼	Set relative vertical print position in page mode	O
GS a	Enable/disable Automatic Status Back(ASB)	O
GS f	Select font for HRI characters	O
GS h	Set bar code height	O
GS k	Print bar code	O
GS r	Transmit status	O
GS v 0	Print raster bit image	O
GS w	Set bar code width	O
GS S C	Set Serial Baudrate	O
DLE EOT n	Selects card read mode / Cancel card read mode	O
GS S P	Power Save Mode	O

10. ZPL Command Compatibility

Command	Compatibility
^A	O
^B0	O
^B1	O
^B2	O
^B3	O
^B4	O
^B5	O
^B6	O
^B7	O
^B8	O
^B9	O
^BA	O
^BB	O
^BC	O
^BD	O
^BE	O
^BF	O
^BI	O
^BJ	O
^BK	O
^BL	O
^BM	O
^BO	O
^BP	O
^BQ	O
^BR	O
^BS	O
^BT	O
^BU	O

Command	Compatibility
^BX	O
^BY	O
^BZ	O
^CC ~CC	O
^CD	O
^CF	O
^CI	O
^CT ~CT	O
~DF	O
~DG	O
^FB	O
^FC	O
^FD	O
^FH	O
^FN	O
^FO	O
^FP	O
^FR	O
^FS	O
^FT	O
^FV	O
^FW	O
^FX	O
^GB	O
^GC	O
^GD	O
^GE	O
^GF	O
^GS	O

Command	Compatibility
^ID	O
^IL	O
^IM	O
^IS	O
~JR	O
^JS	O
~JS	O
^KL	O
^LH	O
^LL	O
^LR	O
^LS	O
^LT	O
^MC	O
^MD	O
^MN	O
^PM	O
^PO	O
^PQ	O
^PR	O
~PR	O
^PW	O
^SC	O
^SD	O
^SF	O
^SL	O
^SN	O
^SO	O
^ST	O

Command	Compatibility
~TA	O
^XA	O
^XF	O
^XG	O
^XZ	O
^ZZ	O

PATENT