sewoo

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P43 II (Non Peeler) ENG Rev. C 01 / 2021

sewoo

MOBILE PRINTER

MODEL : LK-P43 II

USER'S MANUAL / Non Peeler

All specifications are subject to change without notice

Following information shall be included in the manual

Information to User;

Caution:
the user that changes or modifications not expressly approved by the J. STEPHEN Lab., Ltd.responsible for compliance could void the user's authority to operate the equipment.

NOTE:
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.

Responsible Party;

The responsible party for Supplier's Declaration of Conformity must be located within the United States, so you have to include following information in manual.

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.

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Risk of explosion if battery is replaced by an incorrectly type. Dispose of used battery according to the local disposal instructions.

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.

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1. Safety Precautions

For better safety and reliability, adhere to the following precautionary measures.
Read and follow the instructions carefully before operation 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

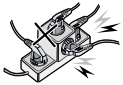
Failure to follow these instructions could result in fire, electric shock, other injuries, or property damage.

Do not pull or touch the power plug with wet hands.

Potential risk of electric shock or fire

Do not bend the wire and do not allow the wire to be pinched or crushed by heavy objects.

Potential risk of electric shock or fire



Do not overload an electrical outlet.

Potential risk of electric shock or fire

If a power plug is broken or a plug is cut or worn, do not use it.

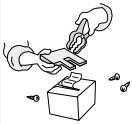
Potential risk of electric shock or fire

WARNING

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

Do not unplug the power cable to turn off the product.

Turn off the power using the power button



Do not disassemble, repair or modify the product.

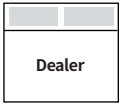
Potential risk of malfunction, electric shock, or fire. When the product needs to be repaired, please contact your reseller

CAUTION

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

Do not install the product on an unstable or inclined surface.

May cause damage or injury



If the product needs to be repaired, please contact your reseller.

Potential risk of fire or unit malfunction

Keep product away from the water and other material.

Potential risk of fire or unit malfunction

Avoid excessive shock or drops.

Potential risk of fire or property damage

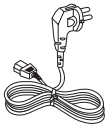
2. Unpacking

Standard

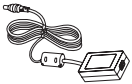
Printer

Battery

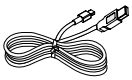
Belt Clip



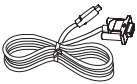
AC Cord



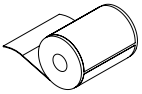
Adaptor



USB Cable



Serial Cable



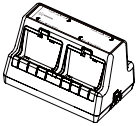
Roll Paper

Quick Manual

CD

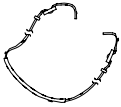
Optional

Battery Cradle
(Charging Cradle)



4BC-XX
(Charging Cradle)

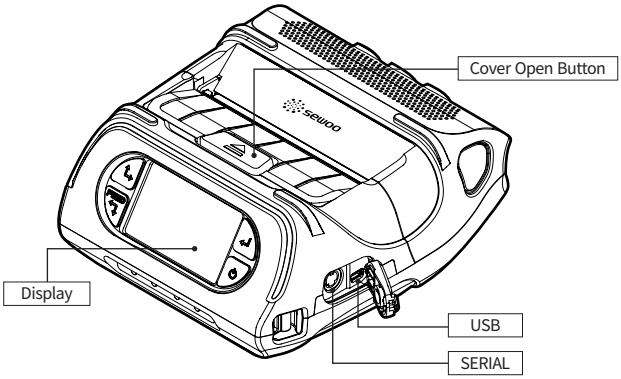
Car Adapter



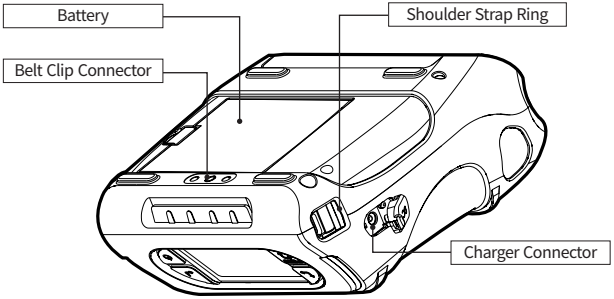
Shoulder Strap

3. Product overview

Front

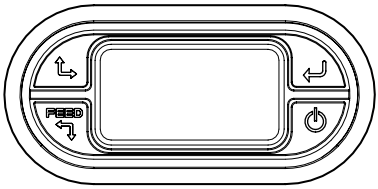


Bottom



4. Setting Up the Product

4-1. Display



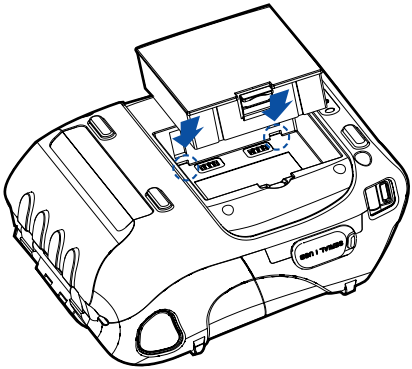
Button	Name	function
FEED	Paper Feed/ Down Button	- Advances the paper, clears error messages, and moves down through menu options. 01 Refer to "4-12" for Diagnostic Test information. 02 Refer to the service manual regarding Hexadecimal Dumping.
	Enter Button	- Selects the highlighted menu option.
	Up 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

01 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.

02 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

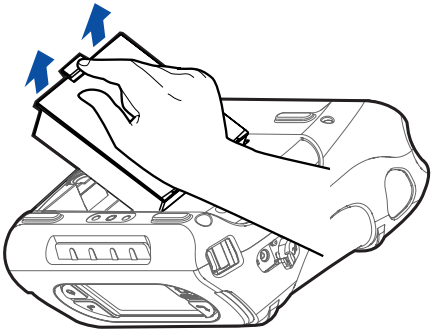


Insert the battery as shown.

NOTE

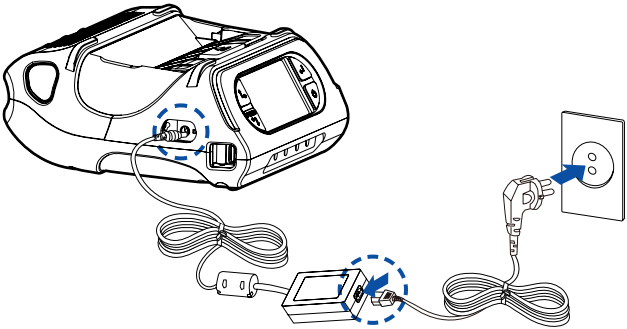
You must fully charge the battery when you receive the printer.
Batteries can be charged in the printer or in an optional external cradle.

4-3. Removing the Battery



Remove the battery as shown.

4-4. Charging the Battery



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

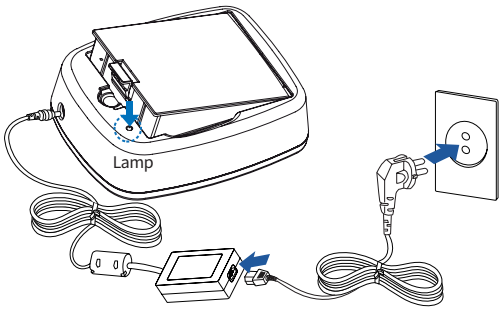
The charge indicator LED

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. Battery Charger Usage *Optional*



1 Insert the battery into the battery charger as shown above.
2 Connect the DC JACK to the Battery Charger.
3 Plug the power cord into the electrical outlet.
4 Once the charging is completed, remove the battery from the charger.

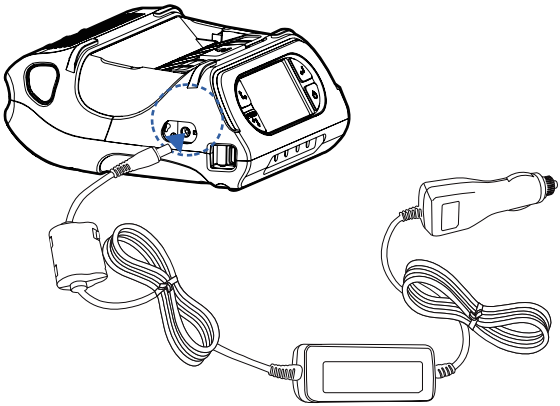
The charging status LED

Status	charging	charging complete
Charging Lamp	Red	Green

NOTE

In the case the battery is not inserted properly, the red LED will blink. Remove and reinsert the battery.

4-6. Car Charger Usage *Optional*



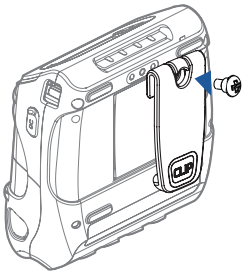
Connect the car charger to the printer.

Input	12 ~ 24V
Output	9.5V / 3A

NOTE

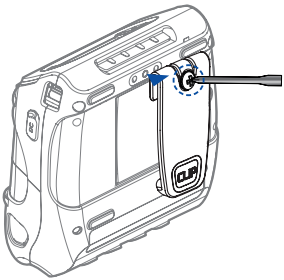
Connect the car charger to the printer.

4-7. Belt Clip Usage



Insert screw into belt clip.

1
2

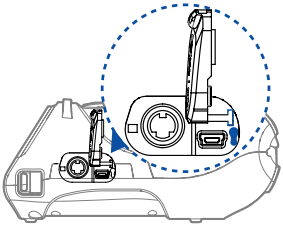


Tighten the screw with driver as shown.

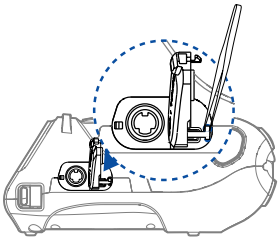
NOTE

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

4-8. Interface Cap Installation

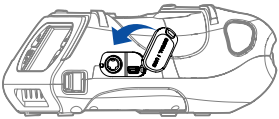


When the Interface Cap is disconnected from the printer, try to orient the Cap Hook horizontally as shown in the image.

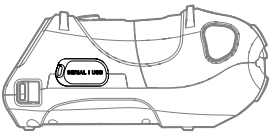


Using a sharp tool, insert the Cap Hook into the hole located on the right side of Interface Cap.

1 2
3 4

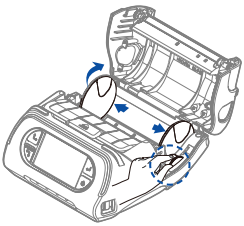


When the Cap Hook is inserted, install the Cap Cover in the direction of the arrow as shown in the image.

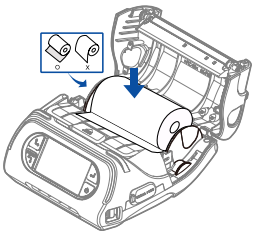


Close the Interface Cap cover.

4-9. Paper Roll Installation

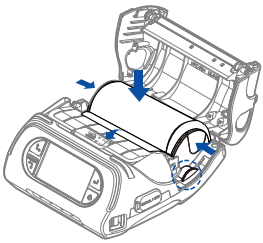


Open the Paper cover by pressing the Open button. You can set the width of paper guide by turning the knob with your finger.



Insert the paper roll so it unrolls from the bottom. Remove the paper core when the roll is empty. Pull a short length of paper out of the printer.

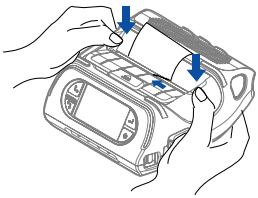
1 2
3 4



After inserting the paper, adjust the paper guide so it is slightly wider than paper size. Then pull the paper out and close the paper cover.

NOTE

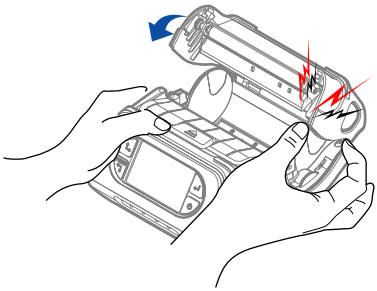
If the users close the cover with one hand, it would not be closed completely. Please use both hands to close.



Close the Paper cover with both hands and feed some paper by pressing the Feed button.

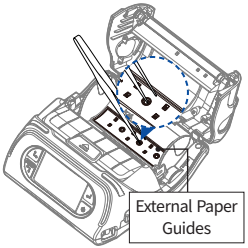
Caution

Be cautious when handling the product while the Printer Cover is open.
You may have a potential risk of injury when the Paper Cover closes.

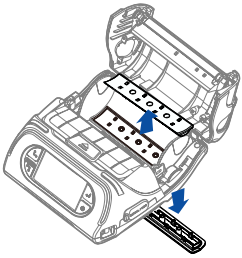


4-10. Install / Uninstall the External Paper Guides

Uninstall the External Paper Guides



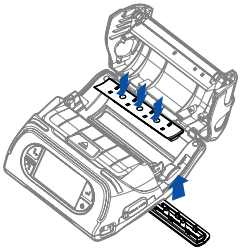
Using a sharp tool, push on the External Paper Guides to detach them from the printer. Press on the circle in the middle of the external paper guide with the tool.



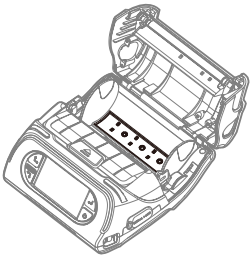
The outer cover of External Paper Guides will be separated.

1 2

Install the External Paper Guides



Assemble the two (inner & outer) External Paper Guides as shown in the figure, and press the three points firmly to align the inner guide with the outer guide.



The two external paper guides will be installed on the printer.

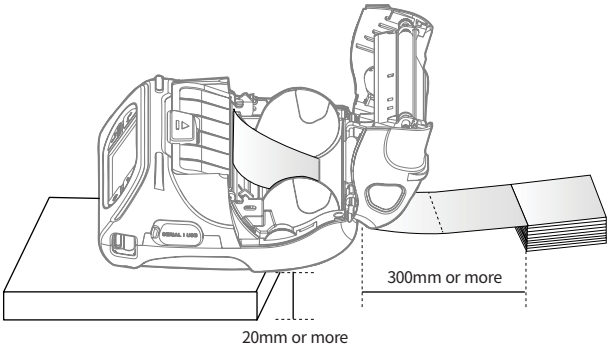
1 2

Caution

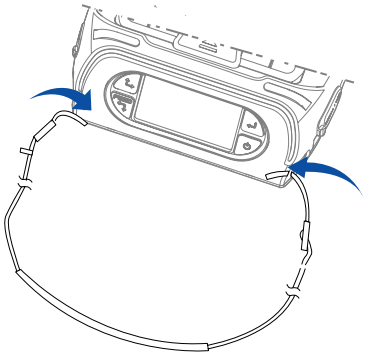
When installing the external paper guides, set the printer on the edge of a flat surface. Then insert the paper in the backside of the printer's paper slot and adjust the paper guide to fit the paper properly.

Recommendation

please set the paper position far away at least twice length of printing paper.

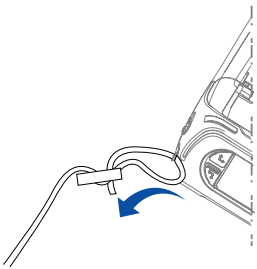


4-11. Shoulder Strap Installation *Optional*

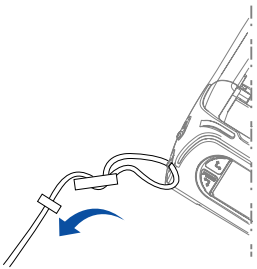


Insert the strap into the hook of the printer.

1
2 3

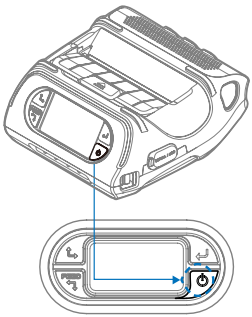


Place the end of the strap into the hook of shoulder strap.

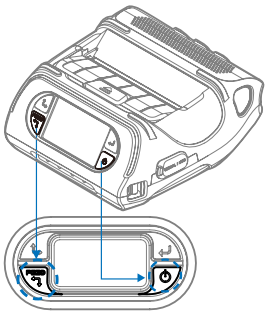


After pulling out the end of the strap tightly, put it into the clip to be fastened.

4-12. Diagnostic Test



Turn off the printer.



Press and hold the feed button and power button.

1 2
3

The self-test will print.

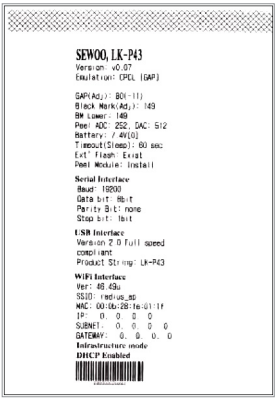
NOTE

01 For Hex Dump mode, do steps 1-2 then press the feed button.

02 After printing ASCII pattern, the diagnostic test is complete.

03 If the feed button is not pressed to go to Hex Dump mode, the printer exits diagnostics after three seconds.

Self-Test Printout Sample



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 the diagnostic test, examine other devices and software.

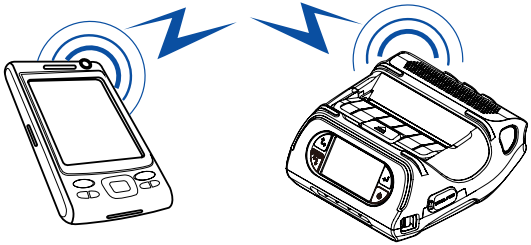
The diagnostic test is working independently of devices and software.

※ **Motor protection from being overheated**

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

5. Peripheral Connection

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



5-1. Bluetooth Connection *Optional*

1 The Printer can be connected to a PDA or a PC using a wireless Bluetooth connection.
2 Use the Bluetooth connection function supported by your device to connect to the printer.

NOTE

- This model supports Numeric Comparison function.
- Please refer to the configuration manual for details.

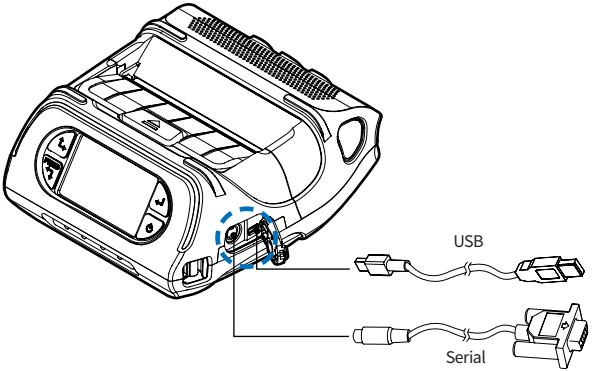
5-2. Wi-Fi Connection *Optional*

1 The Printer can be connected to devices equipped with Wi-Fi communication capabilities(PDAs, PCs, etc.).
2 Use the Wi-Fi connection function supported by the device to connect to the printer.

NOTE

- Please refer to the configuration manual for details.

5-3. Interface Cable Connection



1 Connect USB or Serial cable to the applicable port on the printer.

NOTE
- Only use cables included with the printer.

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

6. Cleaning the Printer

If the interior of the printer is dusty, printing quality can be reduced.

In this case, follow the instructions below to clean the printer.

NOTE

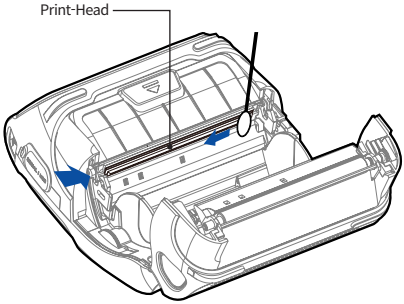
01 Make sure to turn the printer power off prior to cleaning.

02 Regarding printhead cleaning, as the printhead gets very hot during printing, turn off the printer power and wait approximately 10 minutes before cleaning.

03 When cleaning the printhead, take care not to touch the heated portion of the printhead. The printhead can be damaged by static electricity.

04 Take care not to allow the printhead to become scratched and / or damaged in any way.

6-1. Print-Head Cleaning



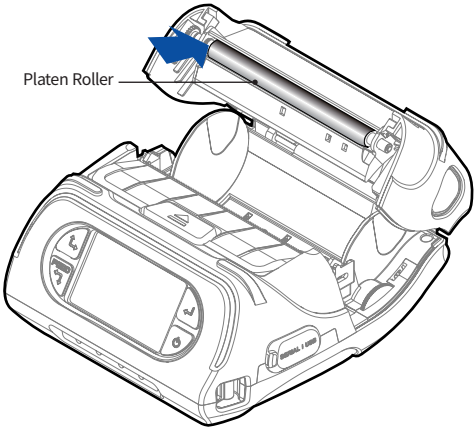
1 Use an applicator swab moistened with isopropyl alcohol to clean the print-head and remove any dust.

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

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. Printer Specification

Printing Method		Direct Thermal
Printing Speed		100 mm/sec
Resolution		203 DPI
Character		ALPHA NUMERIC Character, Extension Character
Barcode	1D	EAN-8, EAN-8(+2+5), EAN-13, EAN-13(+2+5), Codabar, Code11, Code39, Code93, Code128, ITF, LUPC-A(+2+5), UPC-E, UPC-E(+2+5), Planet, UPC-A etc
	2D	QR, PDF417, MicroPDF417, Maxicode, Datamatrix, Aztec, RSS14, TLC39
Fonts		Font A(12x24), Font B(9x17), Asian Font(KOR, JPN, CHN_GB2312, CHN_BIG5), Font0/1/2/4/5/6/7, Resident TTF, Downloadable TTF, Font A ~ H, Font GS, Resident TTF(Font0), Font 1 ~ 8
Emulation		ESC/POS, ZPL, CPCL 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, Java POS Driver, iOS SDK, Android(2.1~) SDK, Blackberry SDK, Symbian
Sensor		Black Mark, Gap, Cover open, Paper end
Paper	Paper type	Thermal paper / Label
	Width	50 mm ~ 112 mm
	Thickness	Roll : 0.06 mm ~ 0.165 mm Fanfold : 0.06 mm ~ 0.15 mm
	Roll Max Diameter	57 mm
	Roll Core	12.5 mm ± 0.5 mm

Reliability	TPH	50km
	Battery	Continuous Printing : 62min Standby for 60Hrs(2600mAh) Standby for 108.3Hrs(5200mAh) Printing Length : 140M
Memory		Flash(Max.) 32MB / SDRAM 16MB
Communications	Standard	Serial(RS-232C), USB
	Optional	Wi-Fi(802.11a/b/g/n) or Bluetooth Smart Ready(Bluetooth4.2+BLE)
Display		TFT-LCD(RGB) 240 x 400
Adaptor	Input	AC 100 ~240V 50/60Hz
	Output	9.0V, 4.0A
Battery	Battery type	Li-ion
	Output	Standard : 7.4V, 2600mAh / 19.24Wh Optional : 7.4V, 5200mAh / 38.48Wh
	Charging time	3.3Hrs Charging time(2600mAh) 6.2Hrs Charging time(5200mAh)
Size	WxDxH(mm)	166 x 174 x 80
	WxDxH"	6.5 x 6.8 x 3.1
Weight		1Kg (with 2600mAh battery)
Environment Sealing		IP54
Temperature	Operation	-21 ~ 55°C
	Storage	-30 ~ 65°C
Humidity	Operation	10 ~ 90%
	Storage	10 ~ 90%

8. Utilities

The following utilities and concerned manual can be found on the CD or homepage.

No.	Name	Description
1	Configuration Tool	This is a utility that allows you to set printers by interface. Detailed settings such as Wi-Fi, Ethernet, and COM ports can be configured.
2	Download Tool(F/W)	Printer F/W and Font Download are available, and BT, Wi-Fi module F/W Download is supported. – P22, 20II can download ICR F/W. – BT/Wi-Fi Download function is not supported for P400, P21, P25. – P400 supports SD Card Download function instead of Font Download.
3	NVUpload (ESC/POS)	With NVUpload running on Windows OS, you can upload and remove the bmp file as Logo in the printer's flash memory, and print test is possible.
4	Bitmap Font Download(CPCL)	It is a utility that allows you to change Windows Fonts stored on your PC into Bitmap Fonts for use on the printer.
5	LabelMaker(CPCL)	This program is for label form design and designed label printing.
6	Android Utility (Sewoo M_Utility) (ESC/POS)	It is a utility app that prints text, barcodes, images, etc. through Bluetooth and Wi-Fi communication, and able to printer settings.

9. S/W

We provides SDK, Driver, etc. as follows to respond to various S/W usage environments.

You can download this S/W from the homepage.

No	Name	Description
1	Windows Driver	This is an install program used to print a Mobile printer in Windows OS.
2	Linux Driver	This is the Cups Driver used to print a Mobile printer in the Linux environment.
3	OPOS Driver (ESC/POS)	This is a driver that controls Mobile printers using the OPOS standard. It can be used after initial setting(Mobile Printer&MSR) using the setting tool.
4	JavaPOS Driver (ESC/POS)	JavaPOS driver is an interface standard for POS software written in Java, and can be used in Mobile Printer when printing a receipt.
5	Mac Driver	This is the Cups Driver used to print a Mobile printer in the Mac OS environment.
6	Android Plugin (Sewoo Print Service Plugin) (ESC/POS)	This is a print service plug-in that allows you to print documents, images, and web pages without installing additional apps.
7	Windows SDK	This is library for communication and data output with Mobile printer in Windows OS.
8	Android SDK	This is library for communication and data output with Mobile printers in Android OS.
9	iOS SDK	This is library for communication and data output with Mobile printers in iOS.

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