SEWOO
MINI PRINTER TECHNOLOGY

# MODEL : LK-P41W

## MOBILE PRINTER

All specifications are subject to change without notice

**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

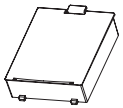

| | |
|---|---|
| 1. Product overview | 3 |
| 2. Unpacking | 4 |
| 3. Usage and Installation | 5 |
| 3-1. Control panel usage | 5 |
| 3-2. Battery Installation | 6 |
| 3-3. Battery charging | 7 |
| 3-4. Battery charger usage | 8 |
| 3-5. Roll paper installation | 9 |
| 3-6. Leather case usage | 10 |
| 3-7. Self test | 11 |
| 4. Peripherals connection | 13 |
| 4-1. Wifi(802.11b/g) Connection | 13 |
| 4-2. Interface cable connection | 14 |
| 5. Printer specification | 15 |
| 5-1. Specification | 15 |
| 6. CPCL Command Compatibility | 17 |
| 7. Setting up the software | 20 |



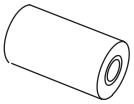

# 1. Unpacking

***Standard***

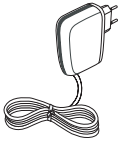
Printer



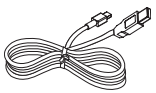
Battery



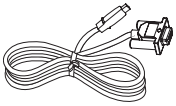
Roll paper



Charger



USB Cable Shielded

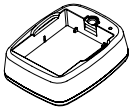


Serial Cable

CD

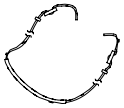
Quick Manual

***Option***



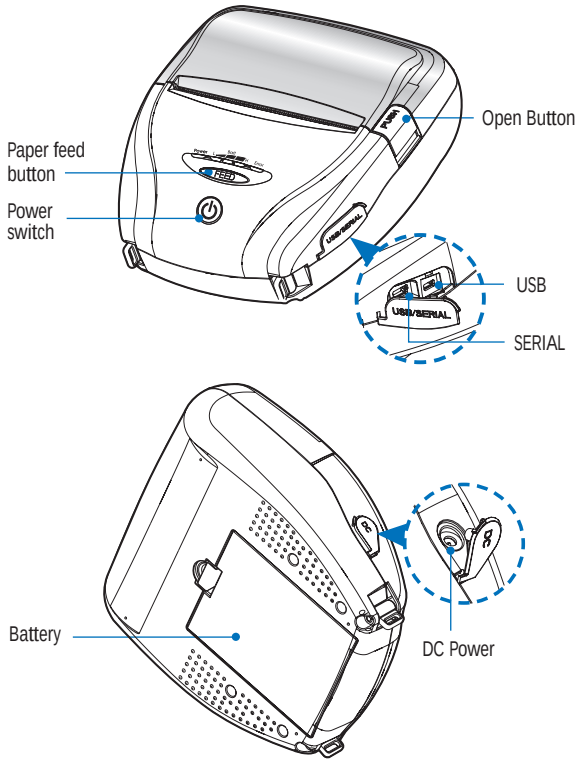
Battery Holder (Cradle)

Leather case



Shoulder strip

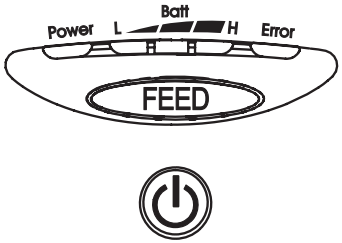
## 2. Product overview





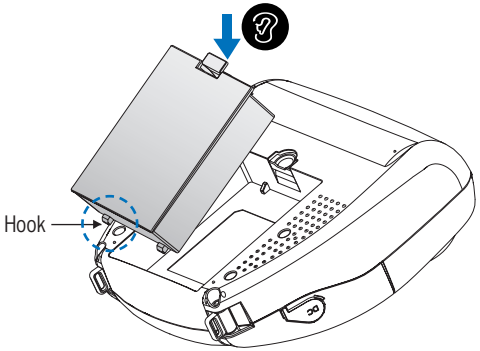

## 3. Usage and Installation

### 3-1 Control panel usage




| Button | Name | function |
|---|---|---|
| | Power button | This button is used to turn the printer on and off.<br>When the printer is off, press this button for approximately 3 seconds and it will turn on the power. When you press this button in a state that the printer is on, the printer will turn off. |
| | Paper Feed Button | Paper output can be done manually by pressing this button. Additionally, self-testing and Hexadecimal Dumping can be processed..<br>1. Refer to "3-10" for self test information.<br>2. Refer to the service manual regarding Hexadecimal Dumping. |
| | Battery Status Lamp | 1. If the Batt, LED are Lit, the battery is fully charged.<br>2. If you can hear beeping sound and LED light is turned off, it means that the battery is at the lowest level.<br>3. If the battery is not charged at all, the printer turns off automatically. |
| | Error Lamp | If the red light is turned on, it means there is no paper roll or the paper cover is open. |

## 3-2 Battery Installation




1. Align battery hook as shown in the picture
2. Push the battery into the printer until it locks in place.

**☑ NOTE**

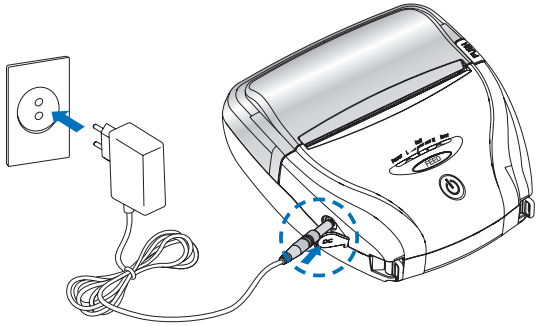
As the battery is not charged at the time of your purchase, charge the battery prior to using the printer
(Battery charger or Cradle can be used to charge)

**☞ CAUTION**

Risk of explosion if battery is replaced by an incorrect type.
Dispose of used batteries according to the instructions



## 3-3 Battery charging



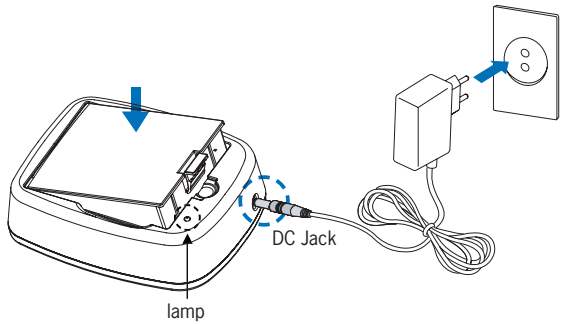
1. Be sure that the printer is turned off
2. After open the DC JACK cover, insert DC JACK into the printer.
3. Plug the power code to electrical outlet.

**☑ NOTE**

1. Unless the exclusive charger is used provided by the manufacturer, the printer can be damaged, and the manufacturer is not liable for the consequential damage.
2. Before removing the battery, make sure that power is turned off.
3. Printer does not work in the status of being connected with charger only.
4. The battery should be installed to operate printer.
5. While charging, do not turn on the power.
6. Do not operate the print while charging the battery.
7. Do not connect the charger while the printer is operated.

## 3-4 Battery charger usage

***Optional***




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

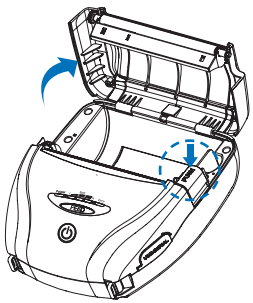
### 3-5-1 The status of lamp in charging

| Status | charging | charging complete |
|---|---|---|
| Charging Lamp | Red | Green |

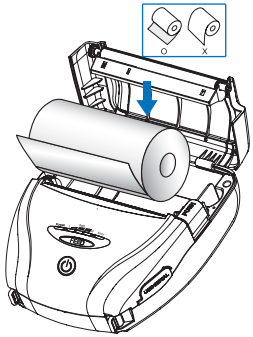
**NOTE**

In the case the battery is not fixed properly in the holder, the red lamp will be blinking, Then, extract and reinsert the battery.

## 3-5 Roll Paper installation

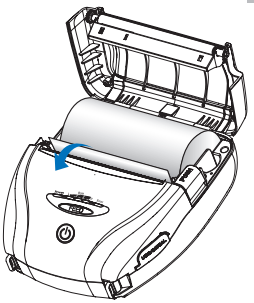


Press the PUSH button to open the paper cover

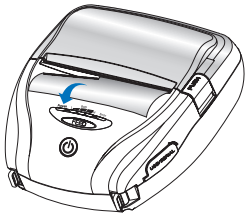


Insert the paper in the right direction

1 2
3 4



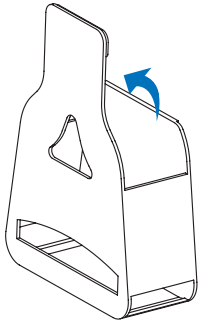
Pull a short length of paper out of the printer and close the cover.



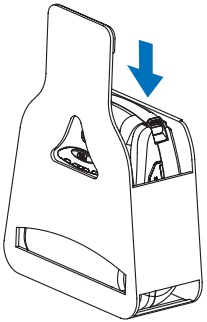
Tear off the additional paper using tear bar.

## 3-6 Leather case usage

***Optional***

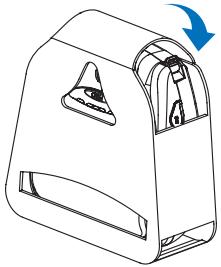


Open the leather case



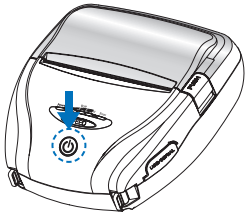
Place the printer into the leather case

1 2
3

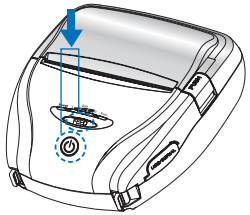


Close the Velcro and stick the cover.

## 3-7 Self Test

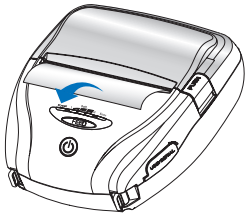


Turn off the power pressing the power button for approximately 3 seconds.



While you are pressing the FEED button, press the power button

1 2
3

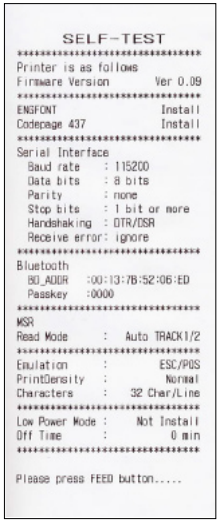


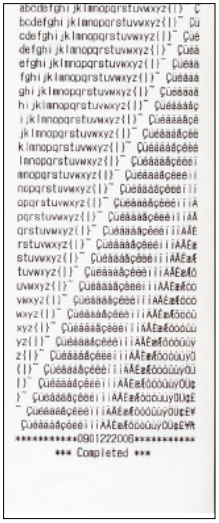
The printout is produced.

**NOTE**

1. To print ASCII pattern additionally, press the Feed button once more
2. After printing ASCII pattern, the self test will be finished automatically.
3. If the Feed button is not pressed to print ASCII pattern, self test will be finished automatically after 30 seconds.

<The sample of self test printout>




When the printer is installed initially or when you face a problem, you can run the self test and check the information about

-Control Circuit, Mechanism, Print Quality, ROM Version

After checking with self-test and no issues are found, you can examine other devices and software. This function is working independent of devices and software.

● **Motor protection from being overheated**

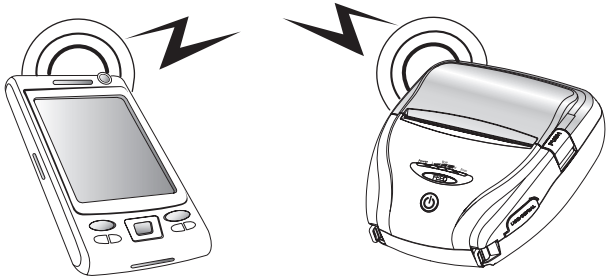
The motor should be stopped and cooled about more than 30 seconds after continuous printing 1.5 meter



# 4. Peripherals connection

This product can communicate with other devices via Wifi(802.11b/g) communication and cable.

## 4-1 Wifi(802.11b/g) Connection

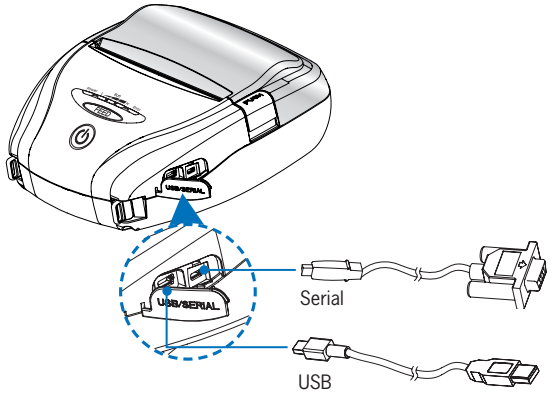


1. The Printer can be connected to devices equipped with wifi(802.11b/g) communication capacity (PDAs, PCs, etc.)
2. Use the wifi(802.11b/g) connection function supported by the device to connect to the printer.

**NOTE**

Refer to the wifi(802.11b/g) Manual for more details on connection.

## 4-2 Interface Cable Connection




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

**NOTE**

Use the cable offered by the manufacturer (USB, Serial)

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



# 5. Pritner Specification

## 5-1 Specification

| | | |
|---|---|---|
| Printing Method | | Direct Thermal |
| Printing Speed | | 80mm/sec |
| Resolution | | 203 DPI X 203 DPI |
| Character | CPCL | 7 Different Font Size (12~48pt) |
| | ESC/POS | Font A (12X24), Font B (9X17) |
| Character per line | | Font A : 48pt , Font B : 64pt |
| Character set | | ALPHA NUMERIC Character, Extension Character |
| Barcode | | EAN-8, EAN-13, Code39, ITF, UPC-A, UPC-E, Codabar, Code93, Code128, PDF417(2D), MAXICode (2D) |
| Emulation | | ESC/POS, CPCL, Commanl Compatible |
| Driver | | Window CE 4.2&5.0, Window Mobile 5.0 |
| Sensor | | Paper End Sensor , Gap Sensor , Cover Open Sensor , Black Mark Sensor |
| Paper | paper type | Thermal Paper / Label |
| | width | 25.4mm ~112mm |
| | thickness | 0.06mm ~ 0.09mm |
| | External Diameter | Max. $\phi$56mm |
| | Internal Diameter | 12.5mm +/-0.5mm |
| Reliability | TPH | 50km |
| | Battery | Continuous printing operation: 1hr and 30min<br>Standby: 24hrs<br>Printing length: 162m |
| Communications | | Serial(RS-232C), USB, Wireless Lan *802.11b/g |
| Battery Charger | input | AC100~240V, 50/60 Hz |

| | | |
|---|---|---|
| Battery Charger | Battery type | Li-ion |
| | output | 7.4V, 2200mAh |
| | Charging time | 3 hour 40 minute |
| Size | W X D X H(mm) | 149 X 161 X 69 |
| | W X D X H" | 5.8 X 6.3 X 2.7 |
| Weight | | 0.53kg (With Battery) |
| Temperature | operation | -10 ~ 50℃ |
| | storage | -20 ~ 60℃ |
| Humidity | operation | 35 ~ 95% |



# 6. 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 | ○ |
| Comments | ○ |
| **TEXT** | **Compatibility** |
| TEXT | ○ |
| FONT-GROUP(FG) | ○ |
| TEXT CONCATENATION | ○ |
| MULTILINE(ML) | ○ |
| COUNT | ○ |
| SETMAG | ○ |
| SCALABLE TEXT | X |
| **Linear Bar Codes** | **Compatibility** |
| BARCODE | ○ |
| BARCODE-TEXT | ○ |
| **Two-Dimensional Bar Codes** | **Compatibility** |
| PDF417 (PORTABLE DATA FILE) | ○ |
| MAXICODE | ○ |
| QRCODE | ● |
| DATAMATRIX | ● |
| GS1(RSS) | ● |

| Graphics | Compatibility |
|---|---|
| BOX | O |
| LINE | O |
| INVERSE-LINE | O |
| PATTERN | O |
| GRAPHICS | O |
| PCX | O |
| **Advanced Commands** | **Compatibility** |
| CONTRAST | O |
| TONE | O |
| JUSTIFICATION | O |
| PAGE-WIDTH | O |
| PACE | O |
| NO-PACE | O |
| WAIT | O |
| REWIND | X |
| TENSION | X |
| SPEED | O |
| SETSP | O |
| ON-OUT-OF-PAPER | X |
| ON-FEED | O |
| PREFEED | O |
| POSTFEED | O |
| PRESENT-AT | X |
| COUNTRY/CODE PAGE | O |
| FORMAT FILES | O |
| BEEP | O |
| CUT | X |
| PATIAL-CUT | X |
| MCR | ● |



| Line Print Mode | Compatibility |
|---|---|
| SETLP | O |
| SETLF | O |
| Moving With X and Y Coordinates | O |
| LMARGIN | O |
| SETBOLD | O |
| SETSP | O |
| Special ASCII Characters | O |
| SETFF | O |
| SET-TOF | O |
| SETLP-TIMEOUT | O |

# 7. Setting up the software

***Please refer to the programming manual included in CD.***

## ♣Certification

### FCC Information

This device complies with part 15 of the FCC Results. Operation is subject to the following two conditions:

(1) This Device may not cause harmful interface, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

### Note

This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instuctions, 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 correct the interference by one or more of the following measures:

11. Reorient or relocate the receiving antenna.
12. Increase the separation between the equipment and receiver.
13. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
14. Consult the dealer or experienced radio/TV technician for help.

⚠WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.



⚠CAUTION

Antenna shall be mounted in such a manner to minimize the potential for human contact during normal operation. The antenna should not be contacted during operation to avoid the possibility of exceeding the FCC radio frequency exposure limit.

The device meets the FCC requirements for radio frequency (RF) radiation exposure in the standard body worn configuration with no minimum configuration. In this configuration, which applies whether the belt clip or shoulder strap is used, the face of the printer from which paper is transported is facing away from the user's body. The standard configuration must always be used when the printer is body worn

SEWOO TECH CO.,LTD.
ADDRESS Doosung Bd, 689-20, Kumjung-dong, Kunpo-si, Kyunggi-do, Korea
TEL 82-31-459-8200 FAX 82-31-459-8880
URL http://www.miniprinter.com

Rev. 1.0