MODEL : LK-P20B

MOBILE PRINTER

Table of Contents

1. Unpacking

Standard

Printer

Battery

Belt Buckle

Charger

USB Shelded Cable

Serial Cable

Roll paper

CD

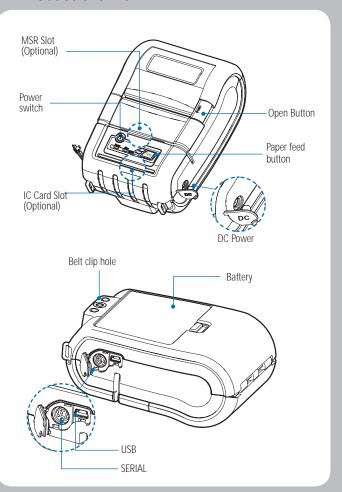Quick Manual

Option

Battery recharger
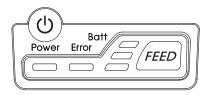
Cigar jack charger

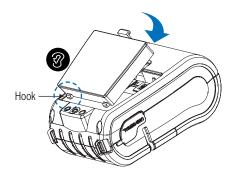Printer case

Strap

3

2. Product overview

MSR Slot
(Optional)

Power
switch

Open Button

Paper feed
button

IC Card Slot
(Optional)

DC Power

Belt clip hole

Battery

USB

SERIAL

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. 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.. 1. Refer to "3-10" for self test information. 2. Refer to the service manual regarding Hexadecimal Dumping.
Batt	Battery Status Lamp	1. If the Batt, LED are Lit, the battery is fully charged. 2. If you can hear beeping sound and LED light is turned off, it means that the battery is at the lowest level. 3. If the battery is not charged at all, the printer turns off automatically.
Error	Error Lamp	If the red light is turned on, it means there is no paper roll or the paper cover is open.

5

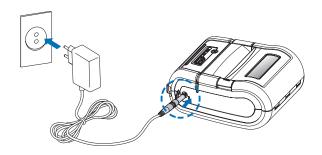## 3-2 Battery Installation

Hook

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)

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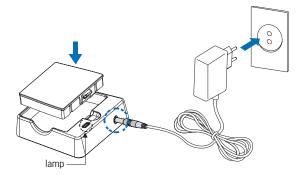
1. Be sure that the printer is turned off
2. After open the DC JACK cover, insert DC JACK into the printer.
3. Plug the power code to electrical outlet.

☑ 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

lamp

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

3-5-1 The status of lamp in charging
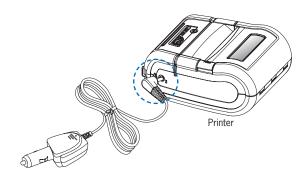
Status	charging	charging complete
Charging Lamp	Red	Green
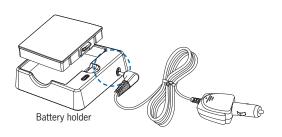
☑ **NOTE**

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 Usage of Cigar Jack for charging

Printer

Battery holder
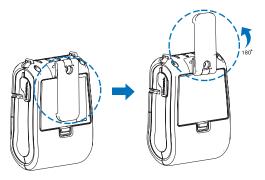
Connect the car cigar JACK charger into the printer or battery holder.

3-6 Battery removal

Rotate the belt clip as shown
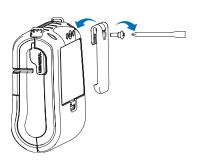
Remove the battery as shown

3-7 Belt Clip usage
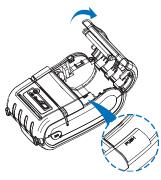
Insert screw into belt clip.

1
2
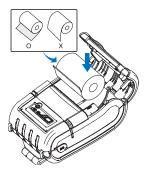
Tighten the screw with driver as shown.
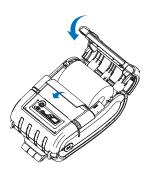
3-8 Loading the media.

Press the cover open button and open

Place the paper roll as shown. Make sure the paper is placed in right direction.
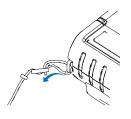
Pull a short length of paper out of the printer and close the cover.

3-9 Shoulder Strap Usage
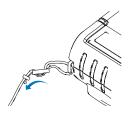
Optional
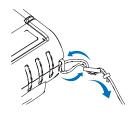
Insert the strap into the hook on the printer.

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

| 1 | 2 |
| 3 | 4 |

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

Fasten the strap in the opposite side with the sample way.

3-10 Leather case usage

Open the leather case
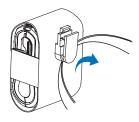
Place the printer into the leather case

Close the Velcro and stick the cover.

Fasten to the belt by using the clip at the rear of the leather case

3-11 Self Test

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

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

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.

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

3-12 MSR usage

Optional

Insert and swipe the card in the direction of the arrow as shown in the picture.

3-13 IC CARD usage

Optional
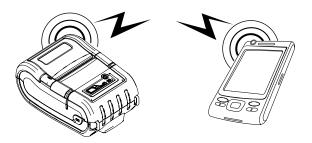
Insert the card in the direction of the arrow as shown in the picture.

4. Peripherals Connection

This product can communicate with other devices via Bluetooth communication and cable.

4-1. Bluetooth Connection
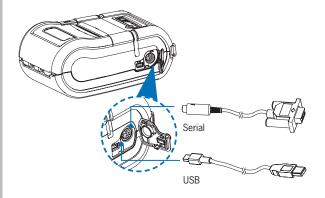
1. The Printer can be connected to devices equipped with Bluetooth communication capacity (PDAs, PCs, etc.)

2. Use the Bluetooth connection function supported by the device to connect to the printer.

☑ NOTE
Refer to the Bluetooth Manual for more details on connection.

4-2 Interface Cable Connection

Serial

USB

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		ALPHA NUMERIC Character, Extension Character
Barcode		EAN-8, EAN-13, Code39, ITF, UPC-A, Codabar, Code93, Code128, PDF417(2D)
Emulation		ESC/POS
Driver		Window CE 4.2&5.0, Window Mobile 5.0
Sensor		Paper End Sensor
Paper	paper type	Thermal Paper
	width	58mm
	thickness	65$\mu\ell$
	External Diameter	Max. ϕ 48mm
	Internal Diameter	12.5mm +/-0.5mm
Reliability	TPH	50km
	Battery	Continuous printing for 90min Standby for 24hours
Communications	standard	Serial(RS-232C), USB, Bluetooth Class2
Battery Charger	input	AC100~240V, 50/6 Hz
	output	8.4V , 1200 mA
Battery Charger	Battery type	Li-ion
	output	7.4V, 1900mAh
	Charging time	2 Time
Size	WXDXH(mm)	96 X 136 X 58
	WXDXH"	3.7 X 5.3 X 2.2

Temperature	operation	5~40℃
	storage	-10~50℃
Humidity	operation	35 ~ 95%
	storage	10 ~ 95%

● *Preventing Overheating*

To prevent the motor from overheating, continuous driving of the printer should be 1.5 m or less in print length. Set the pause time for 30 seconds or more after driving the printer.

6. 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:

  1.1. Reorient or relocate the receiving antenna.
  1.2. Increase the separation between the equipment and receiver.
  1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
  1.4. 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.