LUKHAN®

MODEL : MP-300BT

MOBILE PRINTER

All specifications are subject to change without notice

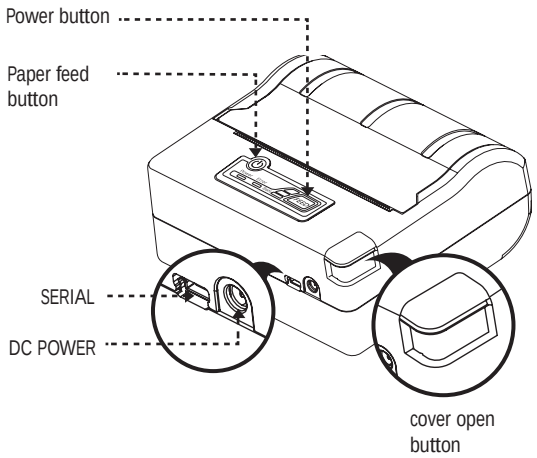
Disposal of Old Electrical&Electronic Equipment(Applicable in the European Union and other European countries with separate collection systems)

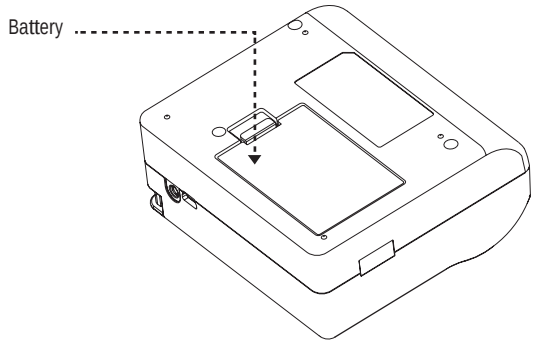
This symbol on the product or on its packaging indicates that this product shall not be treated as household waste.
Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronics equipment. For more detailed information about recycling of this product,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

Table of Contents

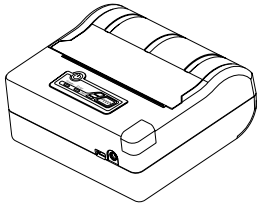
1. Product Overview	3
2. Unpacking	4
3. Setting up the Product	5
3-1. Installing Battery	5
3-2. Battery Charging	6
3-3. Loading the Media	7
3-4. Black Mark	8
3-5. Printer Case Usage	9
3-6. Control Panel	10
3-7. Self Test	11
4. Peripherals Connection	12
4-1. Bluetooth Connection	12
4-2. Interface Cable Connection	13
5. Printer Specification	14

1. Product Overview

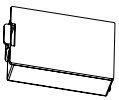




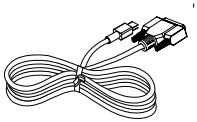
2. Unpacking



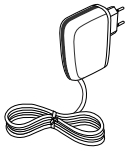
PRINTER



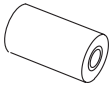
BATTERY



SERIAL CABLE



RECHARGER



ROLL PAPER

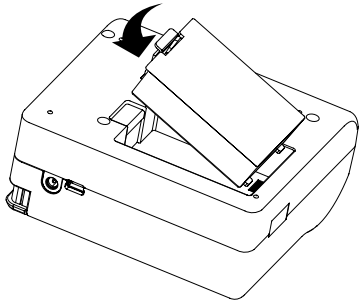
CD

MANUAL

PRINTER CASE(OPTION)

3. Setting up the Product

3-1. Installing Battery

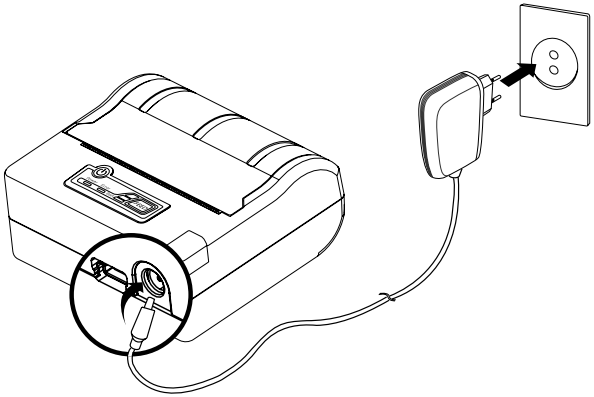


1. Align the battery hook as shown in the picture.
2. Push the battery into the printer until it locks in place.

☑ Notes

As the battery is not charged at the time of your purchase, charge the battery prior to using the printer.

3-2. Battery Charging

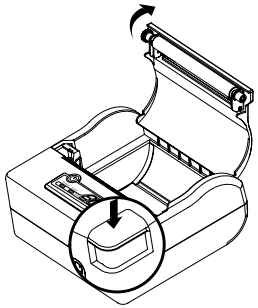


1. The battery can be charged only when the temperature is 0~40°C.
2. Be sure that the printer is turn off and the battery to be charged is installed.
3. Connect the charger to the printer.
4. Recharging will now be started.

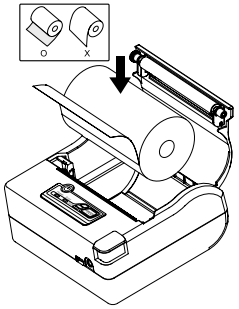
☑ Notes

1. Do not turn on the printer power while you are charging the battery.
2. Dot not print while charging the battery
3. Do not connect the charger to the printer on the process of printing.

3-3. Loading the Media

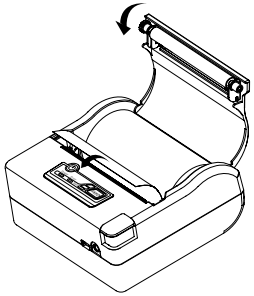


Press the cover open button.

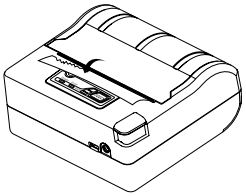


Place the paper roll as shown in the picture.
(Make sure the paper is placed in right direction.)

1 2
3 4

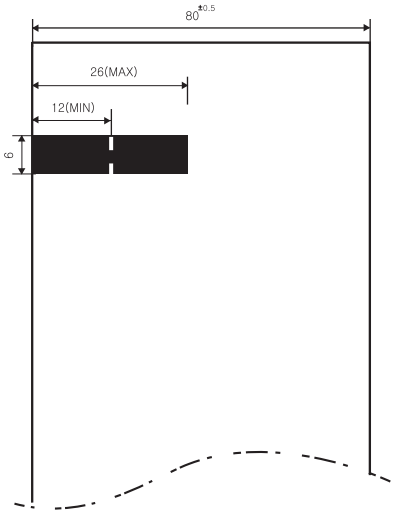


Pull a short length of paper out of the printer and close the cover as shown in the picture.



Press feed button and let the paper be arranged properly for printing and cut the extra paper with tear bar.

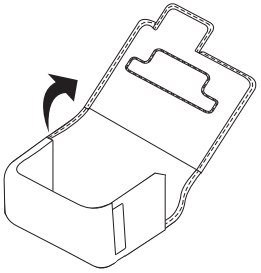
3-4. Black Mark



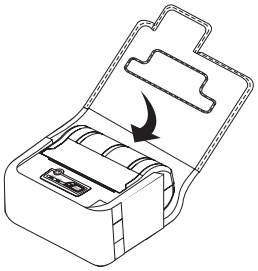
Notes

Black mark should be located on the opposite side of the printed side of the media.

3-5. Printer Case Usage

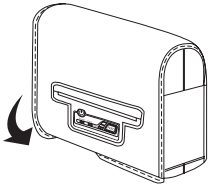


Open the Velcro.

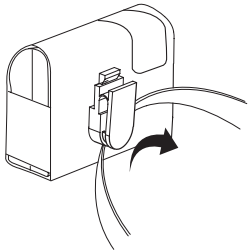


Put the printer into the case following the direction as shown in the picture.

1 2
3 4

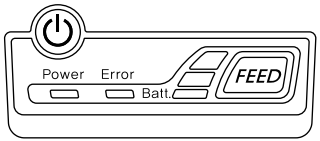


Close the Velcro.



Fix this case to the belt with using the belt buckle.

3-6. Control Panel



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 2 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.
	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 Lamp	If the red light is turned on, it means that the paper cover is open.

Sleep Mode

After 3 minutes without working, it changes to sleep mode automatically.
Input Uart or serial data of Bluetooth.

☑ Notes

The first 200ms's data between sleep mode and warming-up could be ignored.

3-7. Self Test

You can check the printer setting state by doing self test when you set the printer first time or encounter some problems.
- Control Circuit, Mechanisms, Print Quality, Rom version.

When you can not find the exact cause of problem through self test, investigate on other hardware parts or software. This function is independent of other devices and software.

● *Self –Test Instructions*

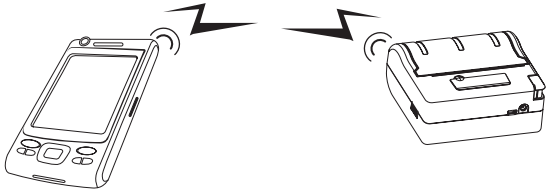
1.Turn the printer power off an close the printer paper cover.
2. While pressing the paper feed button, turn on the printer power.
3. The printout is producing
4. To add a printout of the Hex-Dump mode, press the paper feed button once more.
5. To add a printout of ASCII pattern, press the paper feed button once more.
(Without pressing the paper feed button, self test ends automatically)
6.After ASCII pattern printing, self test ends automatically.

< Sample printout of Self Test> >

4. Peripherals Connection

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

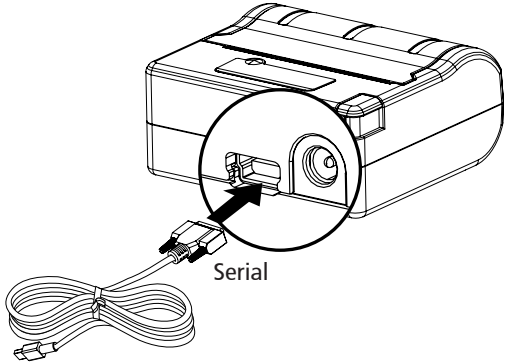
4-1 Bluetooth Connection



1. The printer can be connected to devices equipped with Bluetooth communication capacity (PDA, PC, etc.).
2. Use the Bluetooth connection function supported by the device to connect to the printer.

Classifications	Description
Bluetooth Spec.	Bluetooth V2.0 / Class2(10m)
Frequency	2.4GHz ISM BAND
Baudrate	115200bps Fixed.
Data bit	8 Data bit Fixed.
Parity bit	No parity Fixed.
Stop bit	1 Stop bit Fixed.

4-2. Interface Cable Connection



1. Connect the Interface cable (Serial / USB) to the cable connector of the printer.

☑Notes

Use only cables provided by this manufacturer

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

5. Printer Specification

Printing Method		Direct Thermal
Printing Speed		60mm/sec
Resolution		203 DPI X 203 DPI
Character Size		Font A (12X24), Font B (9X24)
Character per Line		Font A : 48pt , Font B : 64pt
Character Set		ALPHA NUMERIC Caractor, Extension Caractor
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	Type	Thermal Paper
	Width	80mm
	Thickness	65㎛
	Roll Diameter	Max. Φ45mm
	Roll Core Inner Diameter	12.5mm +/-0.5mm
Reliability	TPH	50km
	Battery	Continues printing(40mm/sec) – 40 ~ 50 mimutes Waiting: 11 hours
Interface	Standard	Serial(RS-232C)
	Option	Bluetooth Class2
Battery Recharger	Input	AC100~240V, 50/6 Hz
	Output	8.4V , 800~1200mAh
battery	Type	Li-on
	Output	7.4V, 1130mAh
	Charging time	2~3 Time

Dimension	WXDXH(mm)	106X100X49.5
	WXDXH"	3.7X5.3X2.2
Weight		0.3kg
Temperature	Operating	5~40℃
	Storage	-20~60℃
Humidity	Operating	35 ~ 80%
	Storage	10 ~ 90%

Federal Communication Commission Interference Statement

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 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 con-nected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, (example - use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's 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

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.