



MP121 / MP131

Mobile Barcode Printer

User's Manual

About This Manual

Thank you for purchasing the iMotion MP121/MP131 Mobile Barcode Printer. This manual explains how to install, operate and maintain our product. No part of this publication may be reproduced or used in any form, or by any electrical or mechanical means, such as photocopying, recording, or information storage and retrieval systems, without permission in writing received from iMotion. The material in this manual is subject to change without prior notice.

FCC Compliance Statement for American Users

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 Subpart B 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 connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this

equipment.

EMS and EMI Compliance Statement for European Users

This equipment has been tested and passed with the requirements relating to electromagnetic compatibility based on the standards EN 300 328 V2.1.1(2016-11). The equipment also tested and passed in accordance with the European Standard EN55022 for the both Radiated and Conducted emissions limits.

MP121/MP131 to Which This Declaration Relates Is In Conformity With the Following Standards

IEC 60950-1(ed.2), IEC 60950-1(ed.2); am1, IEC 60950-1(ed.2);am2, GB4943.1-2011, GB9254-2008 , GB17625.1-2012 ; EN 300 328 V2.1.1(2016-11), UL 60950-1, 2nd Edition, 2011-12-19, CSA C22.2 No. 60950-1-07, 2nd Edition, 2011-12, FCC part 15 subpart B, NCC LP002.z

Warranty Limits

Unless otherwise agreed in a contract, all the warranty period of the products lasts for two years since the date of purchase while that of the accessories (such as battery, USB cable etc.) lasts for six months since the date of purchase.

For any faults happened to the products under normal use and ascribed to the inherent problems of the products through identification within the warranty period, we will provide free maintenance services. If the products within warranty period are judged damaged by improper artificial use by our maintenance representatives, we will provide maintenance quotation and repair the product after the customer agrees on our quotation. The damage of appearance, enclosure and decorative parts and components are beyond the scope of warranty, for which, we do not provide free maintenance services.

Important Notices and Precautions

The manufacturer has made safety the first priority during the design stage. To avoid potential mishaps, please obey the following notices:

- ❗ Do not allow water, seawater or moisture to enter or leak into the battery. If the safety mechanism within the battery becomes oxidized, oxidized the battery may overcharge with abnormal electrical current and/or voltage so that it may overheat, ignite and/or explode.
- ❗ Do not place the battery near open flames or heating devices, such as stoves. Exposure to excessive heat may cause damage to the resin case and/or insulating materials, thus causing a short circuit within the battery that may result in battery overheating, combustion, and/or explosion.
- ❗ Charge the battery only with the exclusive 4-slot battery charger specified (optionally provided) by iMotion. The use of an incorrect charger may result in overheating, combustion and/or explosion of the battery.
- ❗ Charging the battery with a modified charger may result in overheating, combustion and/or explosion of the battery by abnormal chemical reaction caused by incorrect polarity.
- ❗ Do not directly connect the battery to an electrical power outlet not specified by iMotion or an automobile's cigarette lighter jack. Doing so may result in overheating, combustion and/or explosion of the battery by over-current and/or over-voltage.
- ❗ Do not heat the battery or place it near a fire. Doing so may melt insulation materials, damage the safety mechanism/equipment, and/or ignite the electrolytic solution. There is a potential risk of battery overheating, combustion, and/or explosion.
- ❗ Do not reverse the connection of (+) and (-) electrodes of the battery. Charging the battery in reverse polarity may produce an undesired chemical reaction inside the battery cell, causing unexpected behavior during discharging such as overheating, explosion, or fire.
- ❗ Do not allow the battery's (+) or (-) pole to come into contact with any metal. In addition, do not carry or store the battery with metallic items, such as necklaces and hairpins. Doing so may cause a short circuit of the battery generating an over-current. There is the potential risk to overheat, ignite and/or explode the battery or overheat the metallic items, such as

necklaces, hair pins etc.

- ❗ Do not throw the battery or subject it to strong shock. If the safety mechanism in the battery is damaged, the battery may be overcharged and, consequently, an adverse chemical reaction may be generated in the battery. There is a potential risk of battery overheating, combustion, and/or explosion.
- ❗ Do not pierce the battery with a pointed object, such as nail or awl, or strike with a heavy object, such as a hammer, and take care not to step on the battery. There is a potential risk of battery overheating, combustion, and/or explosion caused by an internal short circuit.
- ❗ Do not solder the battery directly. Doing so may melt the insulating materials and/or damage the safety mechanism or safety equipment, resulting in battery overheating, combustion, and/or explosion.
- ❗ Do not disassemble and/or modify the battery. The battery contains safety equipment and a safety mechanism to prevent danger. There is a potential risk of overheating, combustion, and/or explosion caused by disassembly.
- ❗ Do not charge the battery near open flames and/or under direct sunlight. Charging the ambient temperature at 0°C ~ 40°C. Because exposure to high temperatures triggers the operation of the safety mechanism, the battery may not charge or may overcharge due to destruction of the safety mechanism. There is a potential risk of overheating, combustion, and/or explosion.
- ❗ Do not expose the battery to high temperatures over 60°C, and do not use or store it in a hot or humid place.
- ❗ Danger of explosion if battery is incorrectly replaced. Replace only with the equivalent type recommended by the manufacturer.
- ❗ Dispose of used batteries according to the manufacturer's instructions.
- ❗ Only use with designated power supply adapter model.
- ❗ Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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Chapter 1: Getting Started

Introduction

MP121/MP131 is a thermal mobile printer designed for enterprises and businesses. It can be used for a variety of printing needs such as barcodes, labels and receipts. MP121/MP131 is an attractive, lightweight and portable device that is ideal for retail, warehousing, logistics, field work and other mobile printing applications. Being robust and durable, MP121/MP131 is waterproof and dustproof with IP54 certification and can withstand a 1.5m drop when wearing the protective case. The high durability feature allows users to easily cope with accidental drops or unexpected environmental changes on the job. Additionally, MP121/MP131 also comes with a proprietary label design software to create labels or receipts for various workplaces. It also supports image printing to help promote the corporate brand image for customers wherever and whenever possible.

This User's Manual provides information on how to use this device and its accessories.

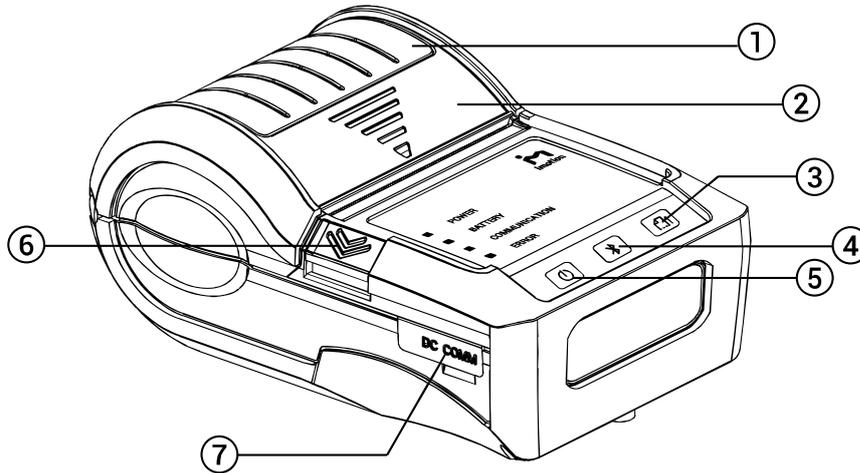
Unpacking

Carefully remove and unpack the MP121/MP131 and other package items from the protective material. Save the containers for later storage and shipping. Check that you have received the following items:

- MP121/MP131 Mobile Barcode Printer
- Quick Start Guide
- Thermal Paper
- Lithium Battery
- Power Supply
- USB Cable
- Belt Strap (MP121)
- Shoulder Strap (MP131)

Features

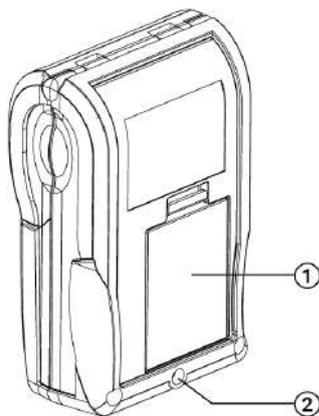
Front View



- | | |
|--------------------|-----------------|
| ① Window | ⑤ Power Button |
| ② Top Cover | ⑥ Open Button |
| ③ Feed Button | ⑦ Connector Cap |
| ④ Bluetooth Button | |

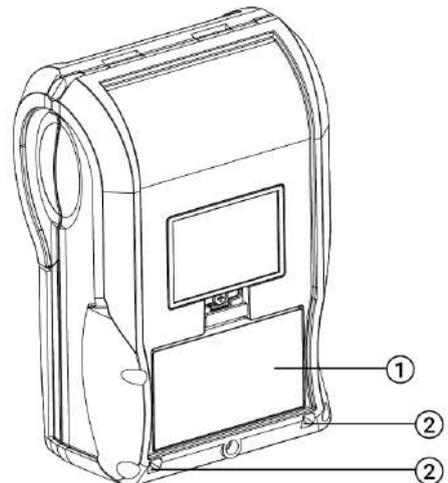
Back View

MP121



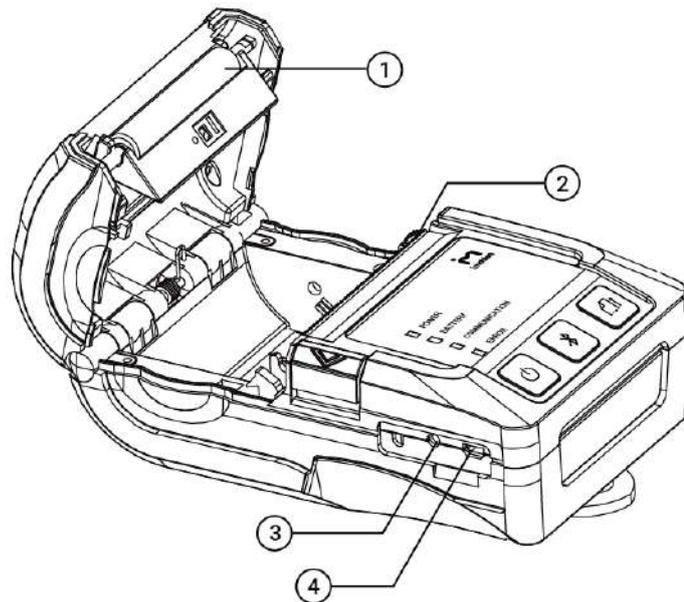
- | |
|-------------------|
| ① Battery |
| ② Belt Strap Hole |

MP131

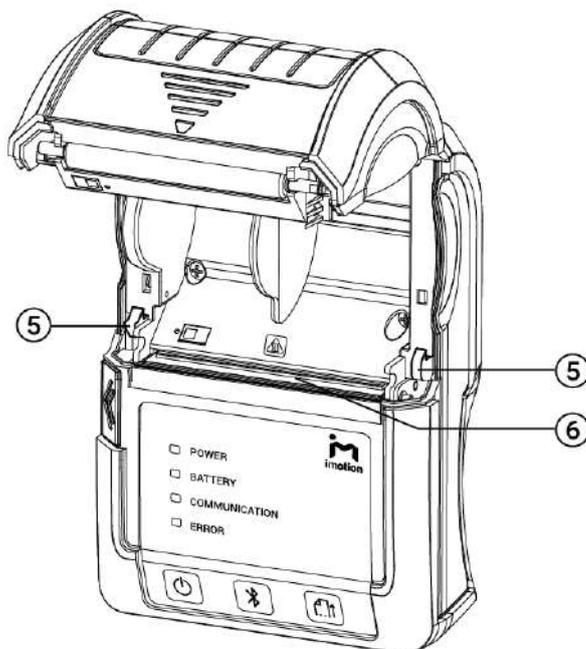


- | |
|------------------------|
| ① Battery |
| ② Shoulder Strap Holes |

Internal View



- ① Platen Roller
- ② Tear Bar
- ③ Power Jack
- ④ RS232+USB Port



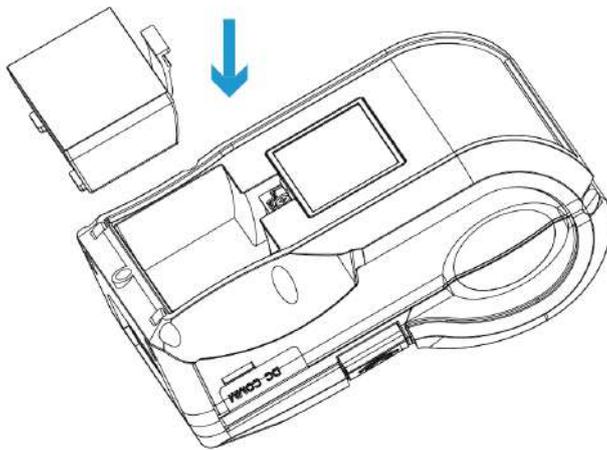
- ⑤ Top Cover Hooks
- ⑥ Thermal Print Head

Chapter 2: Printer Setup

Battery Installation

Battery Installation

1. Make sure to charge the battery for at least 3 hours prior to first use.
2. Insert the battery on the rear side of the printer, aligning the battery hook properly. Push the battery into the slot until you hear a clicking sound. It means battery installation completed.



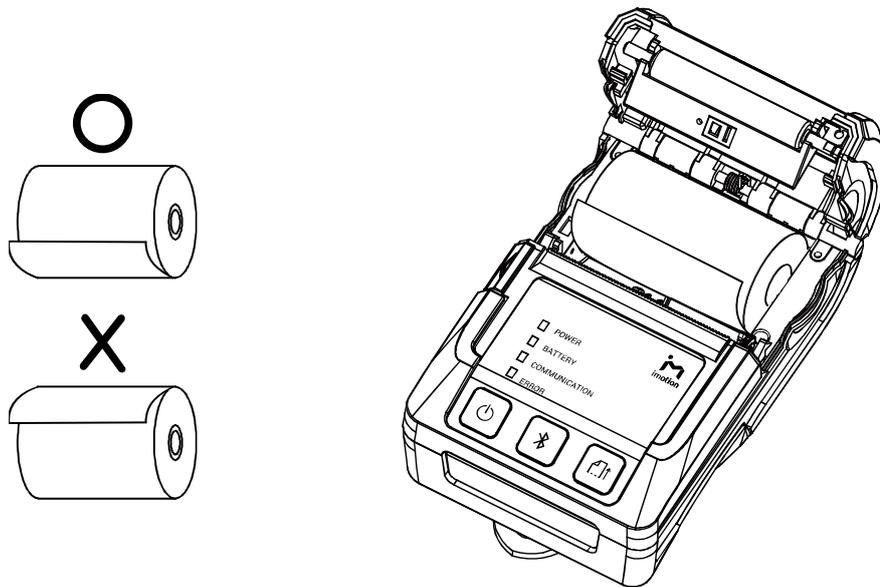
Battery Charging

1. Please make sure that the printer is switched off before charging, and then connect the power adapter to a wall outlet.
2. Turn on the printer. The operator panel should now light up.

Paper Installation

The printer is set to direct thermal transfer so no ribbon is required.

1. Place the printer on a flat surface and press the open button to open the top cover.
2. Label roll guide can be adjusted according to label roll width. (MP131 Only)
3. Insert the paper as shown in the image. Pull the paper out and close the paper cover.



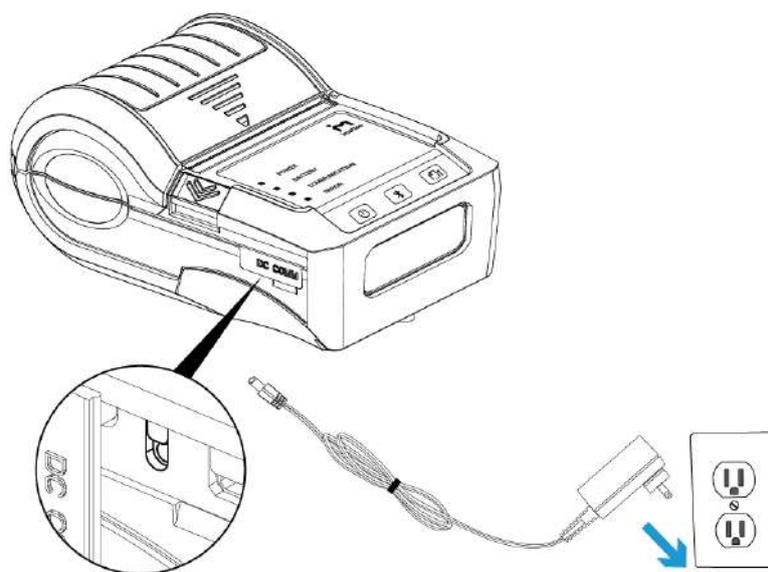
4. Tear off any excess paper in the direction of the side of the printer.

Battery Charging

1. Please make sure that the printer is switched off.
2. Connect the jack of the power adapter to the printer and connect the plug of the power adapter to the socket of the wall.

* Charge the battery around 3 hours before use please. Charging the ambient temperature at 0°C ~ 40°C.

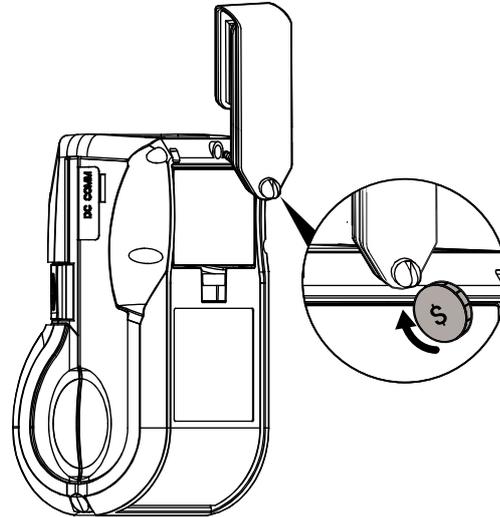
** Close the external interface cap when printer does not connect an adapter or cable for avoiding dust away.



Belt Strap & Shoulder Strap Usage

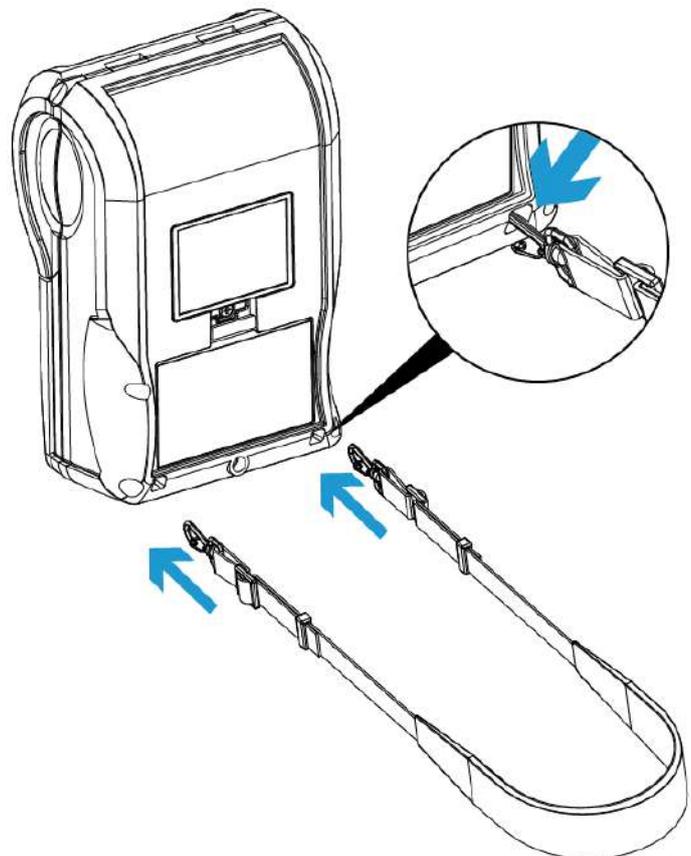
MP121

Use a coin to tighten the belt strap screw.



MP131

Connect the clips of the shoulder strap to the printer.



Driver

Before you use MP121/MP131 barcode label printer, please download the driver on iMotion official website→Support page. Then install the driver on your computer.

1. After decompression, click the Windows Printer Driver file to enter the installation wizard.



2. Select “I accept the terms in the license agreement” , and follow the instructions and click Next., then click ”Finish”.



3. The Driver Wizard will guide you through the installation procedure. Select "Install printer drivers" and click “Next”.



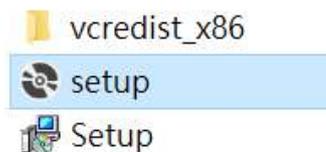
4. With a USB connection, search models such as the right diagram printer device. Please specify "BP20" (BP20 for MP121, BP30 for MP131) as the printer model. Then the driver installation would be completed.



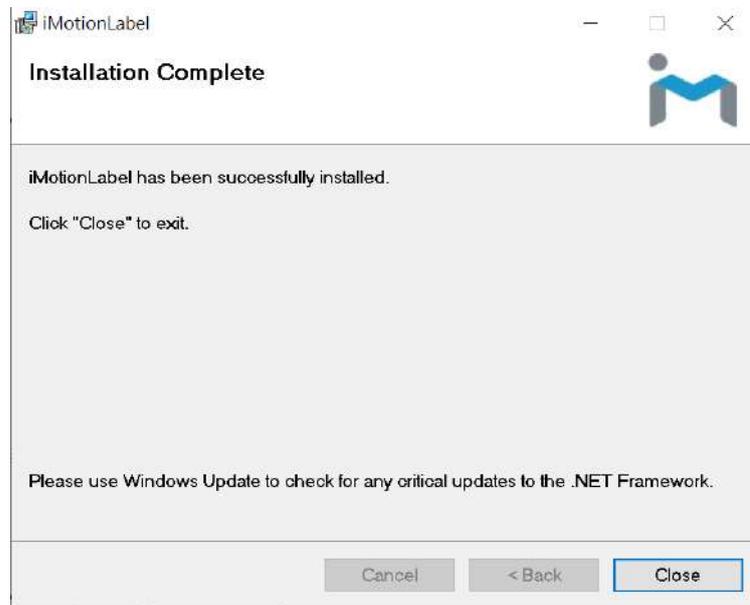
Install iMotion Label Design Software

Please download "iMotion Label" (label design software) on iMotion official website → Support page. Then install the software on your computer.

1. After decompression, click the setup to enter the installation wizard.



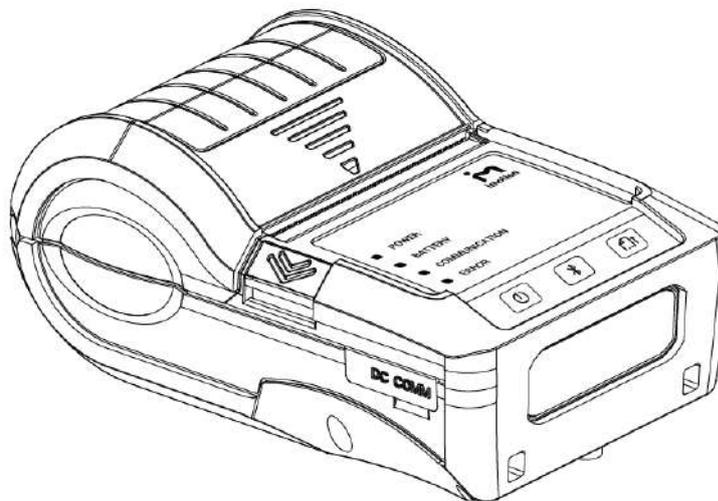
2. Follow the instructions and click Next. And then complete the installation.



3. Once the installation is complete, you can start to make and print labels with iMotion Label or through the printer driver.

Chapter 3: Setting and Control for Operation Panel

Operation Panel



	<p>POWER Button</p>	<p>Press the POWER button to turn on the printer, and the POWER LED signal lights appears. While hearing one “Beep sound”, the LCD screen should display the message “iMotion” Logo on the screen.</p> <p>When printer is turned on, holding and pressing down the POWER button for 3 second will turn the printer off.</p>
	<p>BLUETOOTH Button</p>	<p>Press the Bluetooth button, Bluetooth function will be turned on.</p>
	<p>FEED Button</p>	<p>Turn on the printer and press the FEED button.</p> <p>When you press the FEED button, the printer will advance media until the FEED button is released.</p> <p>If you are using continuous labels, pressing the FEED button will advance a length of media until the button is released. If you are using media with gaps, pressing the FEED button once will advance only one label.</p> <p>If the label does not stop at the correct position, you</p>

		<p>need to run the auto-detection function for your media, please see “Label Calibration and Self-Test”.</p> <p><u>PAUSE PRINTING</u></p> <p>Pressing the FEED button during printing will interrupt printing. While Error LED flashes, the printer can't receive commands.</p> <p>When the FEED button is pressed again, the printer resumes printing. Example: While a 10-label print job is running, you press the FEED button to pause the printer. Two of the labels have been printed. To resume printing and print the remaining eight labels, you will need to press the FEED button again.</p> <p><u>CANCEL PRINTING</u></p> <p>Press and hold the FEED button for 3 seconds during printing to cancel a print job. The current print job is cancelled.</p> <p>Example: While a 10-label print job is running, you press the FEED button. Two of the labels have been printed. The print job is cancelled and the remaining eight labels will not be printed.</p>
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4 Dual-Color LED

LED	Light	Status
POWER	Off	Turn off
	Green light	Turn on
BATTERY	Off	Without battery Power off
	Green light	Battery power supply as normal Recharge finished
	Green light blinking	Standby Mode (5 sec flash one time)
	Red light	Battery is recharging
	Red light blinking	Battery must be charged or replaced

COMMUNICATION	Off	No connection No data transmission
	Blue light	Bluetooth on
	Green light blinking	Transferring data
ERROR	Automatic recovery after troubleshooting. Or push feed button to clean up error status.	
	Off	No
	Red light	Paper out Door open Print head overheating
	Red light blinking	Label sensing error

Label Calibration and Self Test

Label Calibration

The printer can automatically detect and store label height.

That means the host computer does not need to transmit the label height to the printer.

Self Test

Self-test function lets you check whether the printer is functioning normally.

Here is how you run the label size calibration and self test.

1. Check that the label stock is loaded correctly.
2. Turn off the printer and press the FEED button.
3. Turn on the printer again, while pressing the FEED button. After waiting for the buzzer sounds twice, the printer will now measure the label stock and store the label height.
4. Once the printer has successfully calibrated the label stock, it will print a self-test label.

The contents of a self-test printout are listed below.

Model & Version	MP121:VX.XXX
USB ID Setting	USB S/N:12345678
Serial Port Setting	Serial port:96,N,8,1
Port Status	PORT State L S E U B
(The default value is 1, which means that all ports open)	1 1 1 1 1
	#####
Number of Forms	0000 FORM(S) IN MEMORY
Number of Graphics	0000 GRAPHIC(S) IN MEMORY
Number of Fonts	000 FONT(S) IN MEMORY
Number of Asian Fonts	000 ASIAN FONT(S) IN MEMORY
Number of Databases	000 DATABASE(S) IN MEMORY
Number of Scalable Fonts	000 TTF(S) IN MEMORY
Free Memory Size	16616 KB FREE MEMORY
Speed, Density, Ref. Point, Print Direction	^S2 ^H19 ^R000 ~R200 ~Q+0
Label width, Form Length, Stop Position	^W72 ^Q50,3 ^E10
Cutter, Label Dispenser, Mode	Option:^D0 ^O0 ^AD
Sensor Setting	See:0.9 1.1 1.0[0.2_14]
Code Pages	Code Page:850

Active / Sleep / Shutdown / Charge Mode

Sleep Mode = LED active. Power saving mode.

Active Mode

All functions active. On active mode, receiving a print job. Go to Sleep mode if no operation over 30~3600 seconds in Active mode.

Sleep Mode

Only FEED button functions active. Go to Shutdown mode if no operation and over 30~3600 seconds to forever in Sleep mode.

Shutdown Mode

All function off except Power button and battery charge. Wake up to Sleep mode by pressing the Power button.

Charge Mode

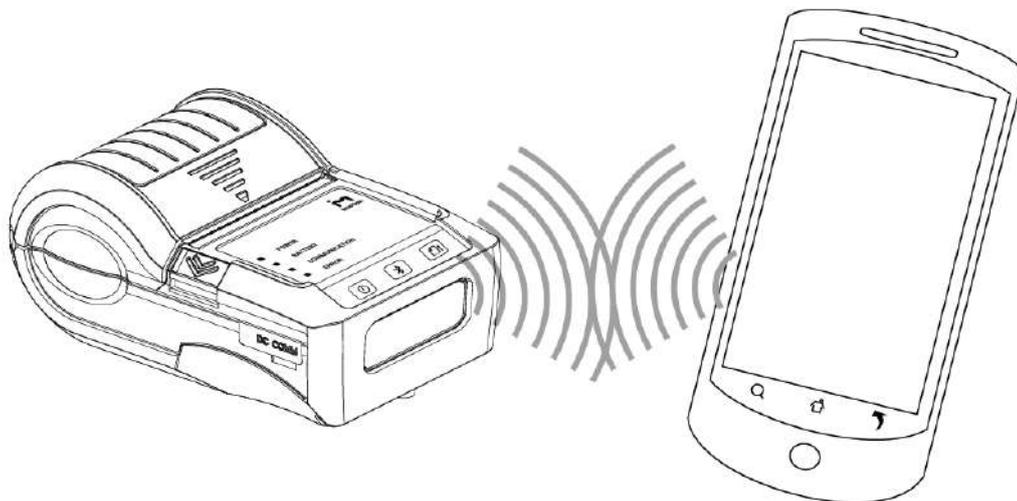
Only charge function active when the battery is charging. When battery is fully charged, the battery LED will turn green.

Bluetooth Connection Terminal

The printer can be connected to devices equipped with Bluetooth communication capability.

1. Press power button to turn on the printer.
2. Press Bluetooth button, Bluetooth function is turned on. So that the printer can be searched.

↓ Terminal Equipment (Bluetooth function of the device must be turned on)



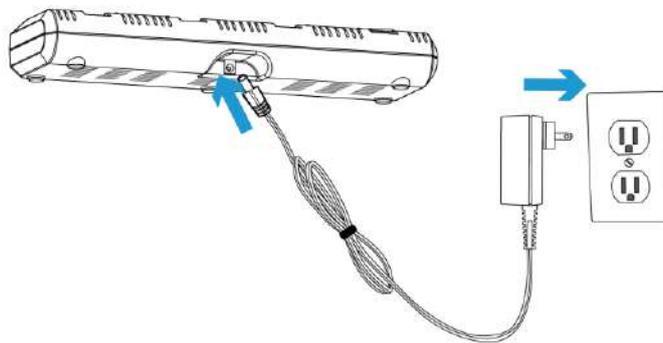
Pair with another Bluetooth device. ↑

* Note: Do not press Bluetooth button while downloading information through standard com port or Bluetooth, otherwise the information may lose and malfunction of printer may occur. The default password for the Bluetooth device is 0000.

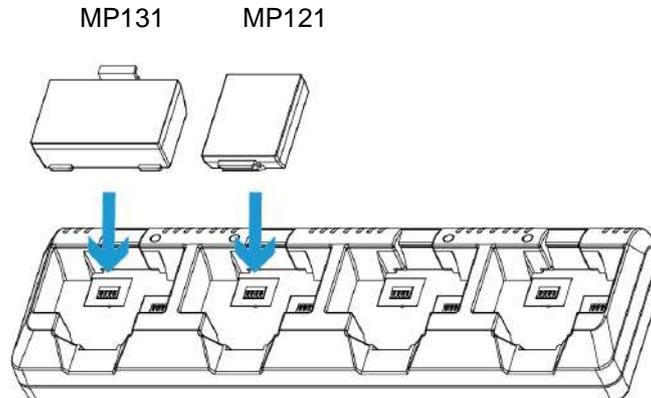
Chapter 4: Accessories

4-Slot Battery Charger (Optional)

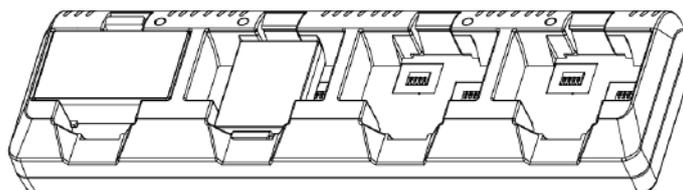
1. Connect the AC adapter to the Charger.



2. Insert the battery into the Charger as shown in the figure the below.



3. Gently slide the battery until it reaches the bottom of the charger.
4. Charging starts as soon as the battery is completely inserted.



Light	Charge Status	Charge Time
Red Light On	Charging	
Green Light On	Fully Charged	Within 3 hours
Red Light Blinking	Battery Defective	

* If the red light of the charger blinks, install the battery again.

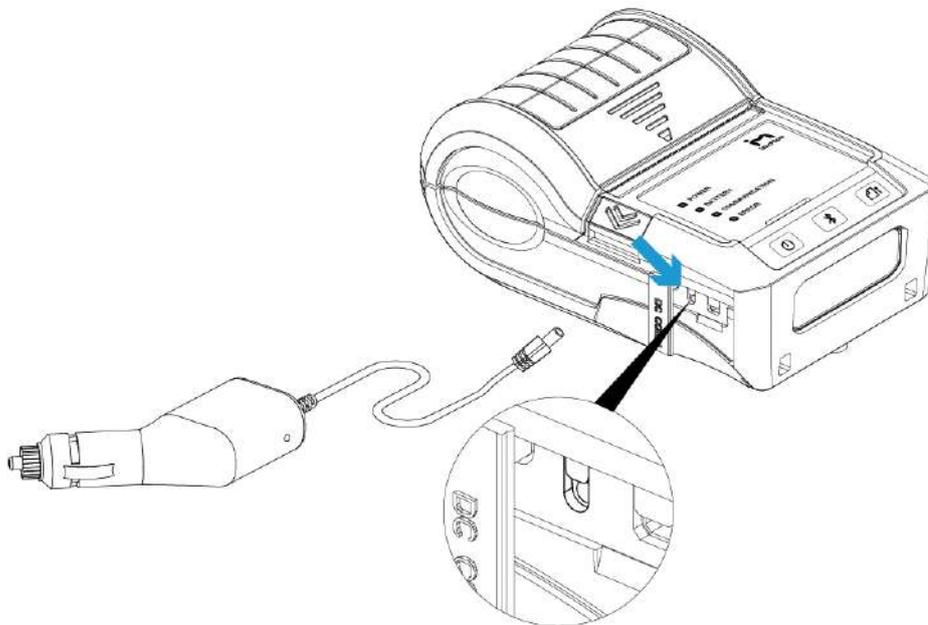
* If the red light continues to blink despite several attempts (4~5 times) to install the battery, contact your local dealer.

* The charging time may vary depending on the type of the charger or room temperature.

*This battery has a protection mechanism in the battery overcharge or over discharge.

Car Charger (Optional)

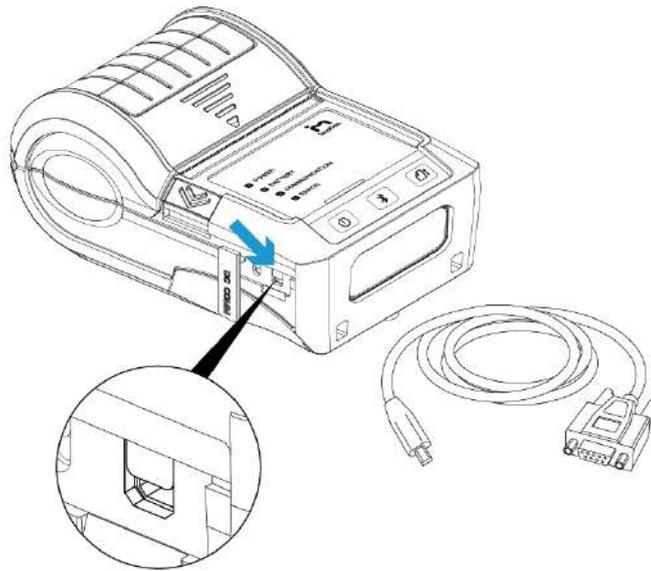
1. Please make sure that the printer is switched off.
2. Connect the car charger to your car's cigarette lighter jack.
3. Open the external interface protection cap.
4. Connect the battery charger to the power connector.



RS-232 Cable (Optional)

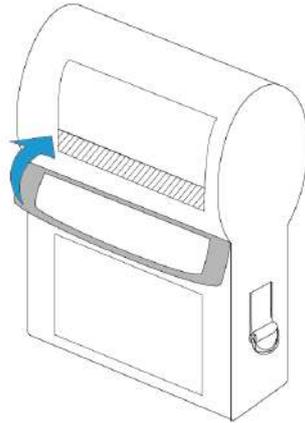
1. Please make sure that the printer is switched off.
2. Open the external interface protection cap.
3. Connect the mini USB cable to the power connector.

* This RS232 & USB Port only support signal transmission, no charge function.

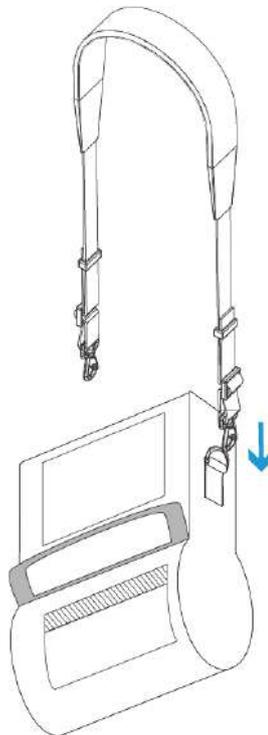


Protective Case

1. Unzip to open up the protective case and insert your printer into the protective case.
2. Open the paper discharger when using the printer.



3. Connect the clips of the leather case with the shoulder strap.



Chapter 5: Maintenance and Adjustments

Cleaning the Thermal Print Head

Dirt on the print head, or glue residue from the label stock may result in inadequate print quality. The printer cover must therefore always be closed during printing. Keeping dirt and dust away from the paper or labels ensures a good print quality and a longer lifespan of the print head.

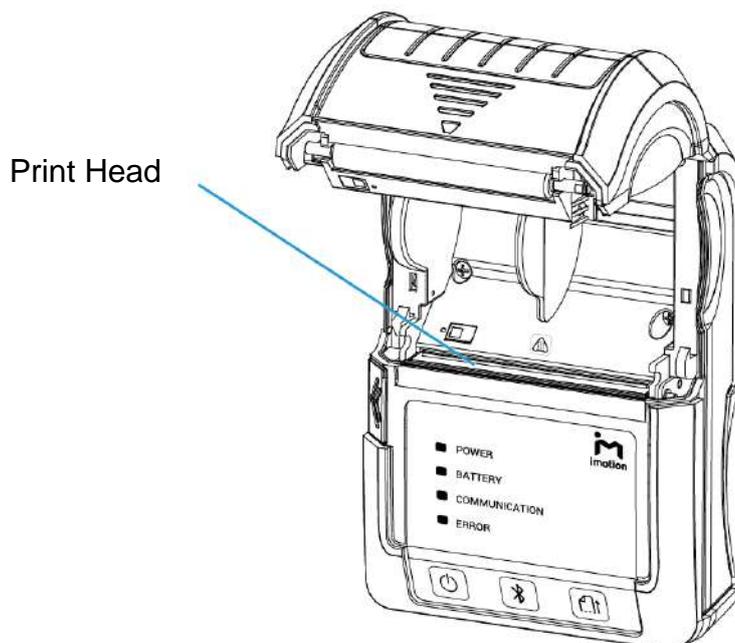
Cleaning Steps

Here is how to clean the print head.

1. Turn off the printer.
2. Open the printer cover.
3. To remove any label residue or other dirt from the print head, please use a soft lint-free cloth dipped with some alcohol.

*Weekly to clean the print head one time. (Recommended)

*When cleaning the print head, please note that if any metal or dirt on the soft cloth makes the print head damage, which is not covered under warranty conditions.



Troubleshooting

Problem	Solution
The printer is switched on but the LED does not light up.	<ul style="list-style-type: none"> • Check if the battery is full charged.
The LED lights up red and printing is interrupted.	<ul style="list-style-type: none"> • Check the software settings (driver settings) or command codes. • Check if there is any error alerts (refer to the table in Section Error Alerts). • Check whether the print mechanism is closed correctly.
The paper roll passes through the printer but no image is printed.	<ul style="list-style-type: none"> • Please make sure that the paper roll is loaded the right side up and that it is a suitable material. • Choose the correct printer driver. • Choose the correct paper roll and a suitable printing mode.
The label stock jams during printing.	<ul style="list-style-type: none"> • Clear the paper jam. Remove any label material left on the thermal print head and clean the print head using a soft lint-free cloth dipped in alcohol. (Please see page 26)
There is no printed image on some parts of the label.	<ul style="list-style-type: none"> • Check whether any label material is stuck to the thermal print head. • Check if there is any error in the application software. • Check whether the starting position has been set incorrectly. • Check if the paper is wrinkled. • Check the power supply is correct.
There is no printed image on part of the label or the image is blurred.	<ul style="list-style-type: none"> • Check if any dust or dirt on the thermal print head. • Use the internal “~T” command to check whether the thermal print head carries out a complete print job. • Check the quality of the print medium.

The printed image is positioned incorrectly.	<ul style="list-style-type: none"> • Check whether there is paper or dust covering the sensor. • Check whether the label stock is suitable. Contact your dealer. • Check the paper guide settings.
A label is missing during printing.	<ul style="list-style-type: none"> • Check the label height setting. • Check whether there is dust covering the sensor. • Run the auto-detection function.
The printed image is blurred.	<ul style="list-style-type: none"> • Check the darkness setting. • Check the thermal print head for dust or dirt. (Please see page 26)

If this does not resolve the problem, contact your dealer.

Appendix A: Product Specifications

Specifications

	MP121	MP131
CPU	32 Bit RISC CPU	
Memory	<ul style="list-style-type: none"> • 32MB SDRAM • 128MB Flash ROM(60MB for user storage) 	
Print Method	<ul style="list-style-type: none"> • Direct Thermal 	
Resolution	<ul style="list-style-type: none"> • 203 dpi (8 dots/mm) 	
Print Speed	<ul style="list-style-type: none"> • Up to 4 IPS (101.6 mm/s) 	
Print Width	<ul style="list-style-type: none"> • 1.89" (48 mm) 	<ul style="list-style-type: none"> • 2.8" (72mm)
Print Length	<ul style="list-style-type: none"> • 45" (~1142 mm) 	<ul style="list-style-type: none"> • 30" (~762mm)
Sensor Type	<ul style="list-style-type: none"> • Gap sensor, Fixed transmissive sensor , Fixed reflective sensor 	
Media	<ul style="list-style-type: none"> • Types: Direct Thermal receipt, anti-UV receipt, gap label, center alignment. Inter-label gap size from 2 mm to 4 mm. 3 mm preferred • Width: 2.28" (59 mm) fixed • Thickness: Min 0.0508 mm, Max 0.165 mm • Media roll Diameter: Max. 1.57" (40 mm) 	<ul style="list-style-type: none"> • Types: Direct Thermal receipt, anti-UV receipt, gap label, left side alignment. Inter-label gap size from 2 mm to 4 mm. 3 mm preferred • Width: Max. 3.15" (80 mm), Min 1.5"(38.1mm) • Thickness: Min 0.0508 mm, Max 0.165 mm • Media roll Diameter: Max. 2.35" (60 mm) on 0.5"(12.5mm) core
Printer Language	GPOS Emulations or EZPL / GZPL / GEPL/ GDPL Emulations	
Interfaces	<ul style="list-style-type: none"> • RS232 + USB 2.0 port, mini-B type connector • Bluetooth 2.1 + EDR 	
Power Adapter	<ul style="list-style-type: none"> • Switching power supply 	

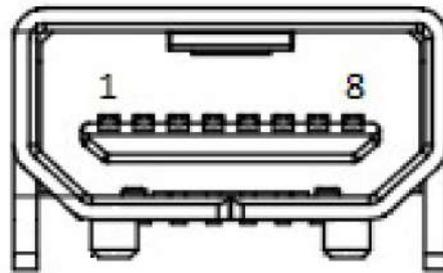
	I/P: 100 / 240 V AC, 50 / 60 Hz, DC 9 V / 2.2 A	
Battery	<ul style="list-style-type: none"> Rechargeable DC 7.4 V Lithium-ion battery, 1150mAH or higher capacitance 	<ul style="list-style-type: none"> Rechargeable DC 7.4 V Lithium-ion battery, 2500mAH or higher capacitance
Resident Fonts	<ul style="list-style-type: none"> Bitmap Fonts: 6, 8, 10, 12, 14, 18, 24, 30, 16x26 and OCR A & B. 0°, 90°, 180°, 270° rotatable TTF Fonts: TTF Fonts (Bold / Italic / Underline). 0°, 90°, 180°, 270° rotatable 	
Download Fonts	<ul style="list-style-type: none"> Bitmap Fonts: 90°, 180°, 270° rotatable, single characters 90°, 180°, 270° rotatable Asian Fonts: 16x16, 24x24. Traditional Chinese (BIG-5), Simplified Chinese (GB2312), Japanese (S - JIS), Korean (KS -X1001). 90°, 180°, 270° rotatable and 8 times expandable in horizontal and vertical directions TTF Fonts: TTF Fonts (Bold / Italic / Underline). 0°, 90°, 180°, 270° rotatable 	<ul style="list-style-type: none"> Bitmap Fonts: 90°, 180°, 270° rotatable, single characters 90°, 180°, 270° rotatable Asian Fonts: 16x16, 24x24. Traditional Chinese (BIG-5), Simplified Chinese (GB2312), Japanese (S - JIS), Korean (KS -X1001). 90°, 180°, 270° rotatable and 8 times expandable in horizontal and vertical directions TTF Fonts: 90°, 180°, 270° rotatable
Control Panel	<ul style="list-style-type: none"> 4 dual color LEDs for Power, Battery, Communication, Error status indication. 3 buttons for Power, Feed and BT functions 	
Barcodes	<ul style="list-style-type: none"> 1-D Barcodes: China Postal Code, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128 (subset A, B, C), EAN-8/EAN-13 (with 2 & 5 digits extension), EAN 128, FIM, German Post Code, GS1 DataBar, HIBC, Industrial 2 of 5, Interleaved 2-of-5 (I 2 of 5), Interleaved 2-of-5 with Shipping Bearer Bars, ISBT-128, ITF 14, Japanese Postnet, Logmars, MSI, Postnet, Plessey, Planet 11 & 13 digit, RPS 128, Standard 2 of 5, Telepen, Matrix 2 of 5, UPC-A/UPC-E (with 2 or 5 digit extension), UCC/EAN-128 K-Mart and Random Weight 2-D Barcodes: Aztec code, Code 49, Codablock F, Datamatrix code, MaxiCode, Micro PDF417, Micro QR code, PDF417, QR code, TLC 39, GS1 Composite 	
Code Pages	<ul style="list-style-type: none"> CODEPAGE 437, 850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 	

	<ul style="list-style-type: none"> 866, 869, 737 • WINDOWS 1250, 1251, 1252, 1253, 1254, 1255, 1257 • Unicode UTF8、UTF16BE、UTF16LE 	
Graphics	<ul style="list-style-type: none"> • Resident graphic file types are BMP and PCX, other graphic formats are downloadable from the software 	
Dimensions and Weight	<ul style="list-style-type: none"> • Dimensions : 129.55mm*84mm*51mm(5.1"x3.3"x2.0") • Weight : 325g, with battery 	<ul style="list-style-type: none"> • Dimensions : 170.63mm*114.01mm*79mm(6.71"x4.48"x3.11") • Weight : 660g, with battery
Software	<ul style="list-style-type: none"> • Label Design Software: iMotion Label(for EZPL only) • Driver: Vista, Windows 7, Windows 8 & 8.1, Windows 10, Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, MAC, Linux • SDK: Win CE, .NET, Windows Vista, Windows 7, Windows 8 & 8.1, Windows 10, Android, Mac, iOS 	
User Environment	<ul style="list-style-type: none"> • Operation Temperature: -10~50°C(14~122 °F) • Storage Temperature : -20~60°C (-4~140 °F) • Humidity : 10%~90% non-condensing • Sealing standard: Intrusion Protection, IP42 requirement for case design, IP54 for protective case • Drop resistance : 1.5m 	
Regulatory Compliance	<ul style="list-style-type: none"> • BSMI/ CE/ NCC/ CB 	
Accessories	<ul style="list-style-type: none"> • Thermal Paper Roll*1 • Belt Strap • Lithium-ion Battery • USB cable • RS-232 cable(optional) • 4-bay battery charger station(optional) • Car charger adapter(optional) • Protective case(optional) 	<ul style="list-style-type: none"> • Thermal Paper Roll*1 • Shoulder Strap • Lithium-ion Battery • USB cable • RS-232 cable(optional) • 4-bay battery charger station(optional) • Car charger adapter(optional) • Protective case(optional) • WiFi (comply with IEEE 802.11b/g/n) (optional)

Appendix B: Interface

Pinout Description

USB Port (mini-B Type)



Pin No.	1	2	3	4	5	6	7	8
Function	GND	VBUS	D-	D+	TXD	CTS	RXD	RTS

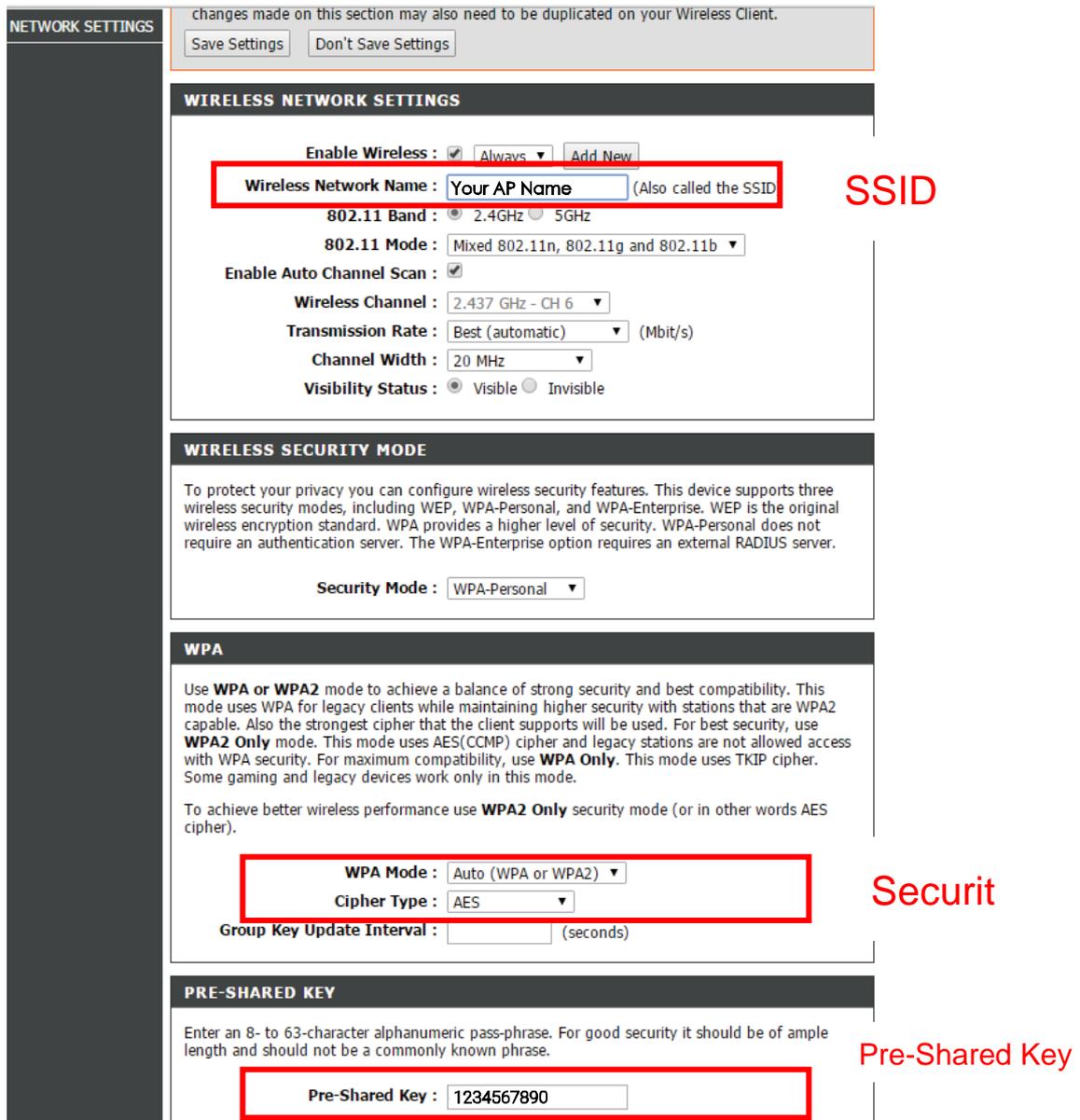
Appendix C: MP131 WiFi Setting

Please ensure that your MP131 has installed the WiFi Module before carrying on the setting below.

Check the Wireless Access Point Setting Value

Connect MP131 Wireless Module to Wireless Access Point, and then connect the Module to the Mobile phones or computers through network.

About the parameters of wireless access point, please refer to the figure below (Example: D-Link AP)



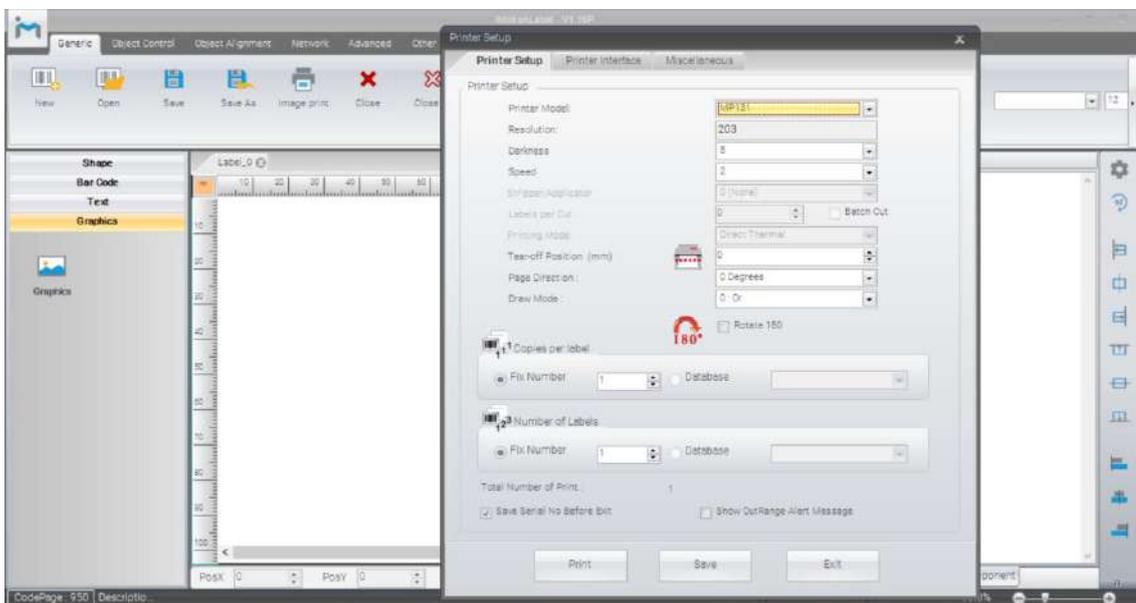
The screenshot shows the 'NETWORK SETTINGS' page for the MP131 device. It is divided into three main sections: 'WIRELESS NETWORK SETTINGS', 'WIRELESS SECURITY MODE', and 'PRE-SHARED KEY'. Red boxes highlight specific fields in each section, with corresponding labels to their right.

- WIRELESS NETWORK SETTINGS:**
 - Enable Wireless:** Always
 - Wireless Network Name:** Your AP Name (Also called the SSID) SSID
 - 802.11 Band:** 2.4GHz / 5GHz
 - 802.11 Mode:** Mixed 802.11n, 802.11g and 802.11b
 - Enable Auto Channel Scan:**
 - Wireless Channel:** 2.437 GHz - CH 6
 - Transmission Rate:** Best (automatic) (Mbit/s)
 - Channel Width:** 20 MHz
 - Visibility Status:** Visible / Invisible
- WIRELESS SECURITY MODE:**
 - Security Mode:** WPA-Personal
- WPA:**
 - WPA Mode:** Auto (WPA or WPA2)
 - Cipher Type:** AES Security
 - Group Key Update Interval:** (seconds)
- PRE-SHARED KEY:**
 - Pre-Shared Key:** 1234567890 Pre-Shared Key

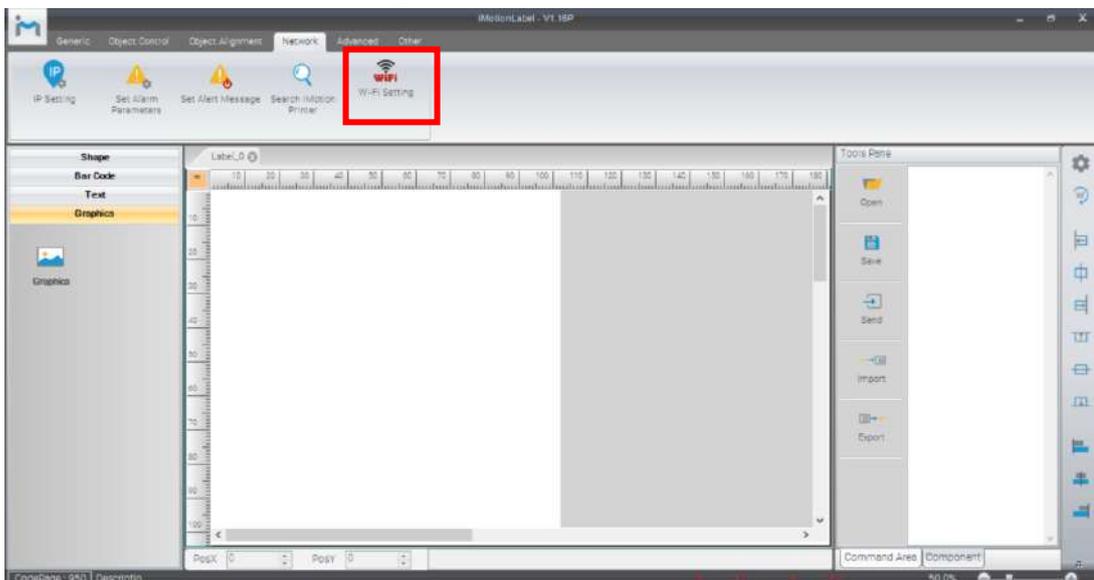
Set up MP131 Wireless Network through iMotion

WiFi tool

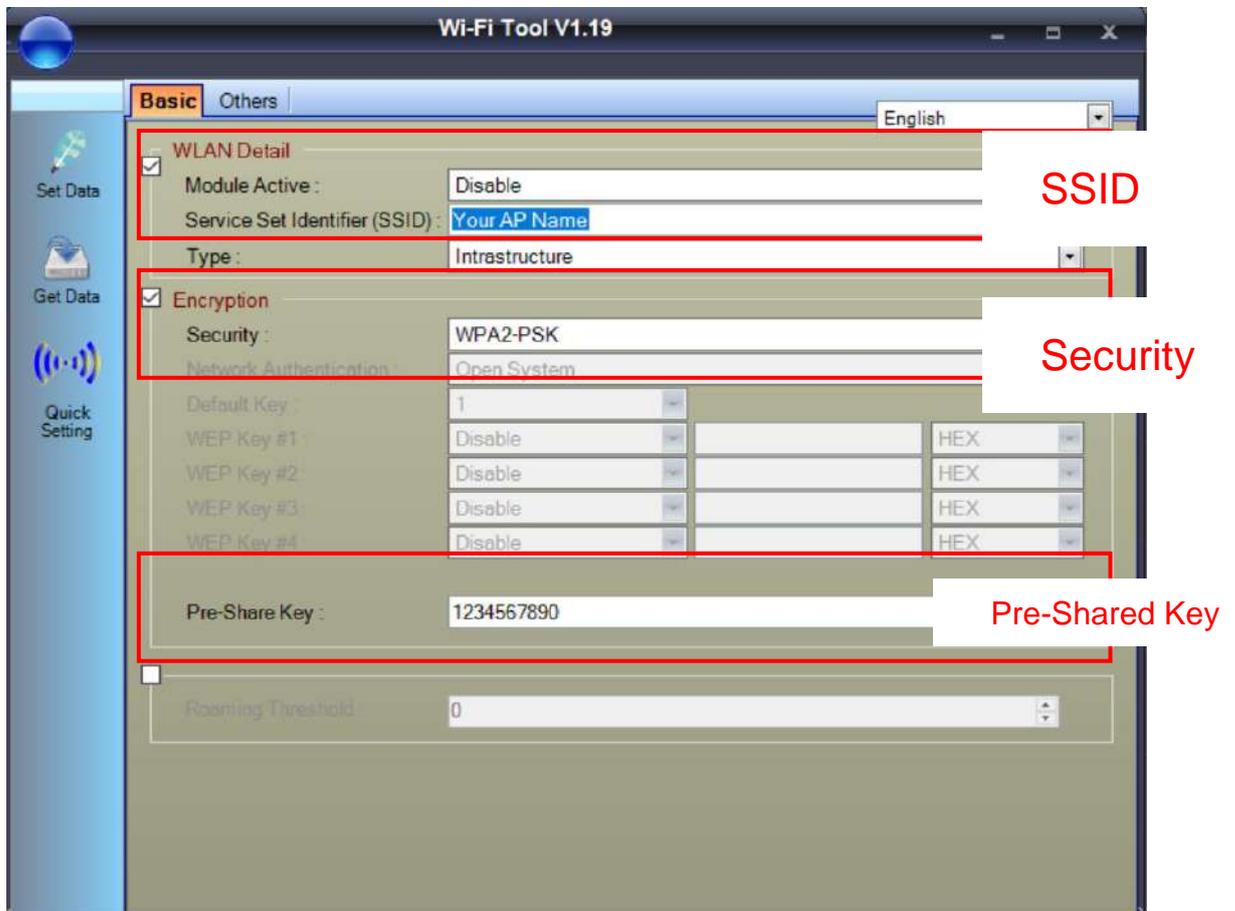
1. Connect MP131 and computer by USB cable
2. Turn on MP131
3. Start iMotion Label
4. Click Generic→Printer Setup→Select MP131 as printer model→and click Save (see the screenshot below)



5. Click Network/ WiFi Setting



6. Input parameters of wireless access point (see the screenshot below)

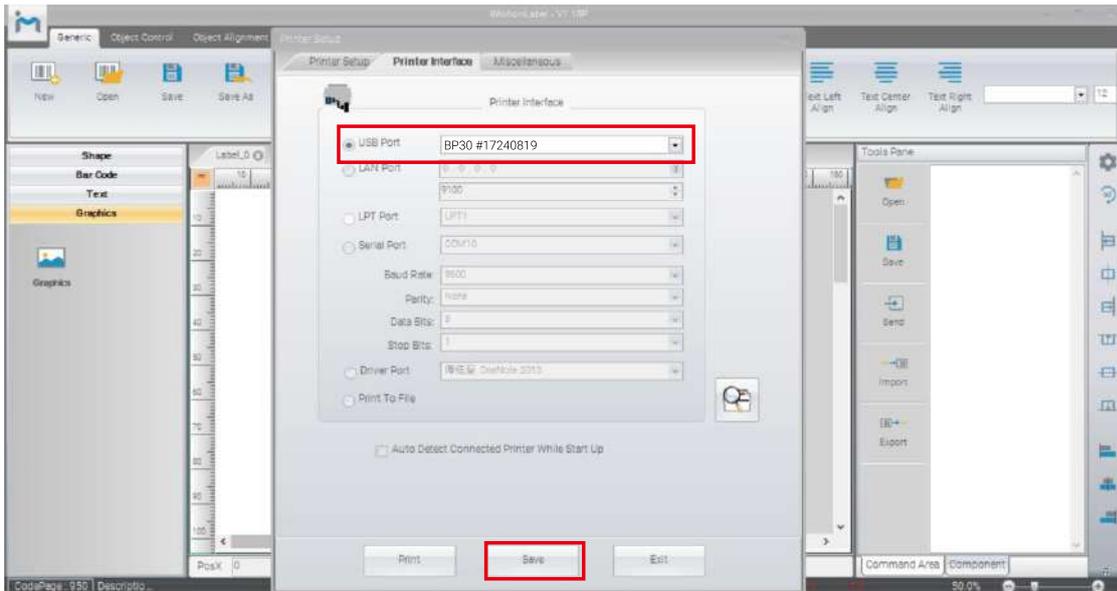


7. Click "Set Data" icon, and the printer will reboot

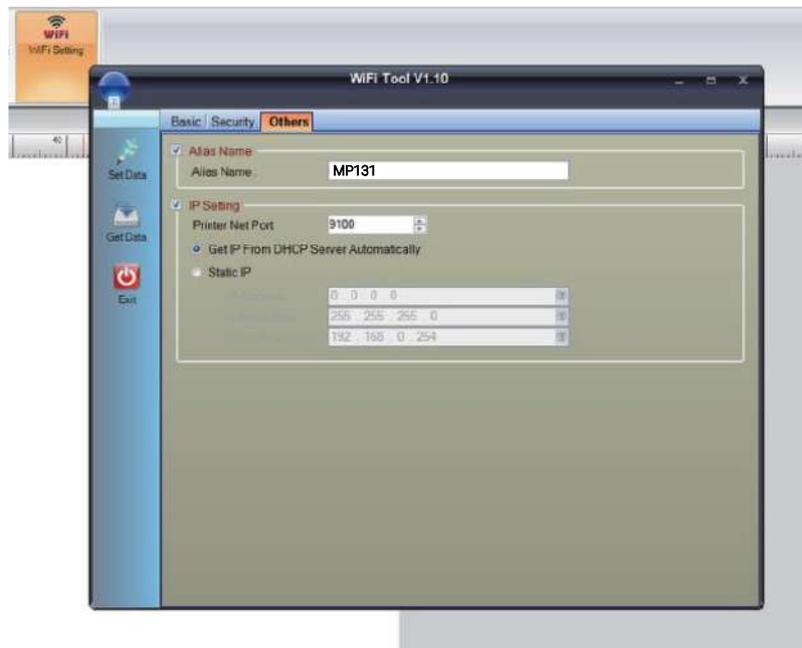
If printer doesn't reboot after a few seconds and 3 beeps are not heard, please repeat the steps from Step 1.

Activate DHCP function for MP131

1. First of all, configure DHCP function through USB
2. Click Generic→Printer Setup→Printer Interface
3. Select USB port/BP30, and click “Save”



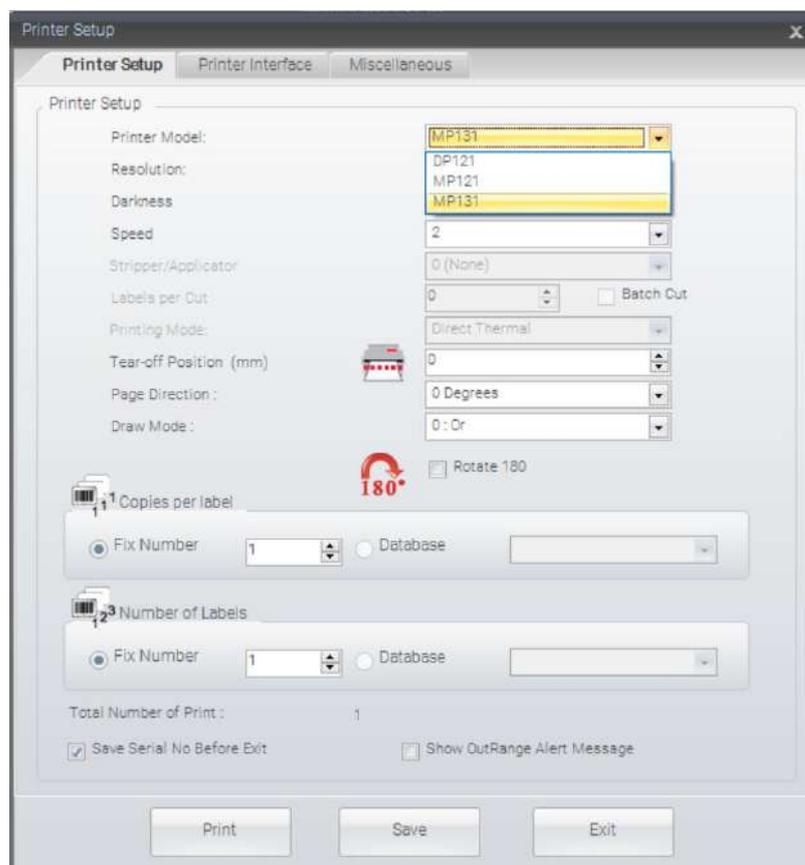
4. Obtain the printer IP address through Network/WiFi Setting.



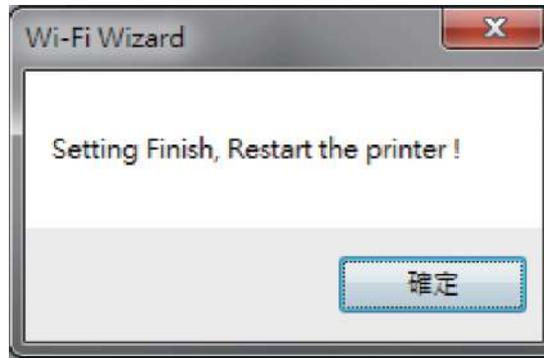
Wi-Fi Printer Sever Module Installation (Quick Setting)

Set up wireless network through iMotion WiFi tool

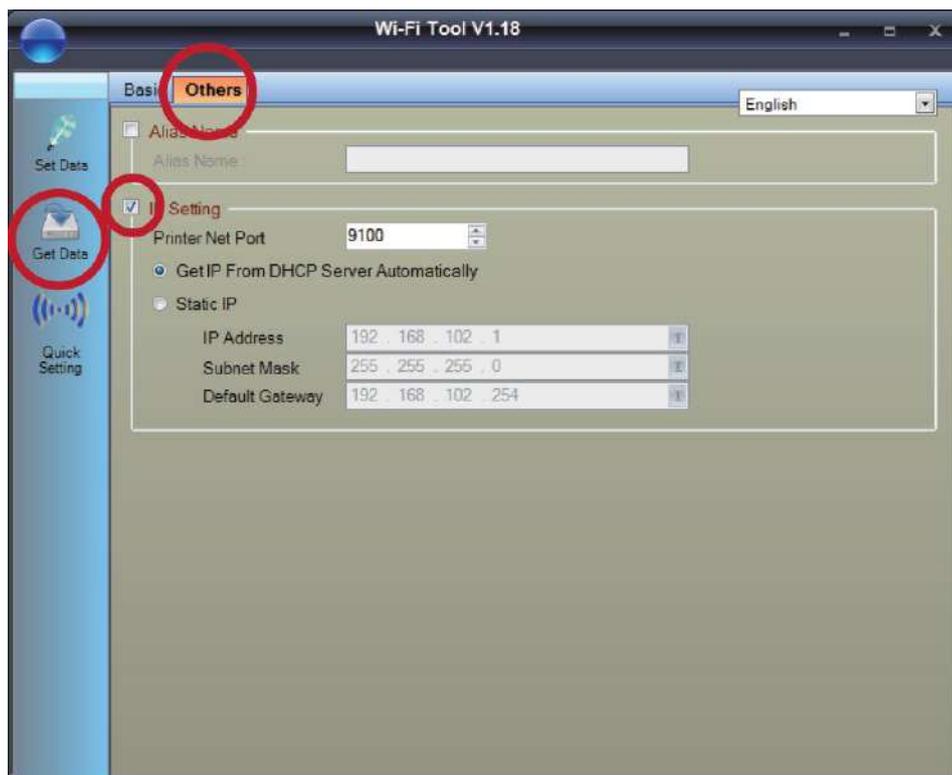
1. Turn on the MP131, connect printer and computer by USB cable
2. Start iMotion Label
3. Click Generic→Printer Setup
4. Select MP131 as Printer Model, and click “Save”

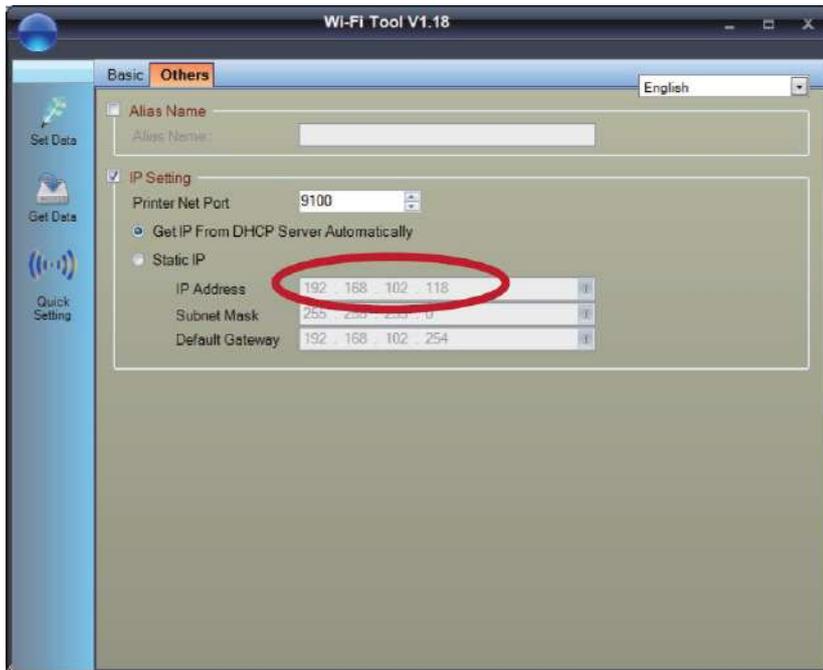


9. After the setting succeeded, a prompt will pop up and the printer will restart.



10. Enter the WiFi tool, select the "Other" tab and click the "Get Data" icon after selecting "IP Settings". Then remember the IP address.





11. Open the "Printer Settings" window. Select the "Printer Interface" tab, fill in the IP address and click "Save" to complete.

