



## **bizhub 2280MF Series**

### **Monochrome Laser MFP**



It is recommended to carefully read this guide before using the printer

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# Preface

Welcome to the Konica Minolta series products!

We heartily appreciate your using of Konica Minolta series products!

To protect your vital interests, please carefully read the following statements.

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Version: V1.0

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The product can only be used safely in the non-tropical areas at an altitude no higher than 2000 meters.

# Safety Precautions

## Laser Safety

The laser radiation is harmful to the human body. Since laser components are completely sealed in the printer, laser radiation will not leak. To avoid laser radiation, please do not randomly disassemble the printer!

The printer follows the provisions of Class 1 laser products under CFR standard. The printer has a Class III b laser diode, which has no laser radiation leakage among laser components.


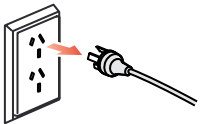



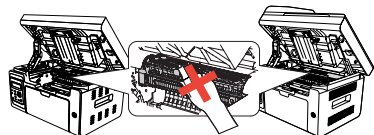

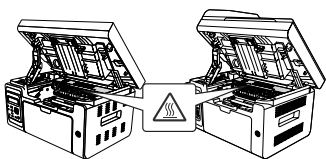
The laser components shall comply with the requirements of: U.S. Code of Federal Regulations, 21 CFR 1040, IEC 60825-1

The following label is attached to the laser components inside the printer:



## Safety Warning

Please note the following safety warnings before using the printer:

Warning	
 There is high-voltage electrode inside the printer. Before cleaning the printer, make sure the power is turned off!	
 Plugging and unplugging the power cord plug with a wet hand can result in an electric shock.	
 The fuser unit is hot when and after printing. Touching the fuser unit (the shaded area as shown) may cause burns!	
 The fuser unit is attached with a high temperature warning label. Please do not remove or damage this label.	

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# Precautions

## Precautions before Using the Printer:

1. Read and understand all instructions;
2. Familiarize yourself with the basic principles associated with operating electrical appliances;
3. Comply with all warnings and instructions marked on the equipment or specified in the manual supplied with the equipment;
4. If the operating instructions conflict with the safety information, please refer back to the safety information, as you may have misunderstood the operating instructions. If you cannot resolve the conflicts, please call the Customer Service Hotline or contact a service representative for help;
5. Before cleaning the equipment, remove the power cord from the AC power supply outlet. Do not use liquid or aerosol cleaners;
6. Please make sure that the equipment is put on a stable desktop surface to avoid serious damage caused by the falling of the equipment;
7. Do not put the equipment near a radiator, an air conditioner, or a ventilation pipe;
8. Do not put any articles on the power cord. Do not put the equipment at the place where its power cord could be stepped on by people;
9. Outlets and extension cords must not be overloaded. This may reduce performance and could result in fire or electric shock;
10. Do not allow pets to chew on the AC power cord or the computer interface cable;
11. Do not allow sharp objects piercing equipment slot, so as to avoid contact with the high-voltage device, which otherwise may result in fire or electric shock. Take care not to spill liquids onto the equipment;
12. Do not disassemble the equipment so as to avoid the risk of electric shock. Necessary repairs may only be carried out by professional maintenance personnel. Opening or removing the cover could result in an electric shock or other potential hazards. Incorrect disassembly and assembly could also result in an electric shock during future use;
13. If any one of the following occurs, disconnect the equipment from the computer and pull out the power cord from the AC wall socket and contact a qualified member of the service personnel for maintenance:
  - Liquid has been spilled into the equipment.
  - The equipment has been exposed to rain or water.
  - The equipment falls, or the cover is damaged.
  - Significant changes in the equipment's performance.
14. Only adjust the control mentioned in the instructions. Incorrect adjustment of other controls may result in damage and mean that professional maintenance personnel need to spend more time fixing it;
15. Do not use the equipment in a thunderstorm so as to avoid the risk of an electric shock. If possible, pull out the AC power cord during a thunderstorm;
16. If you continuously print multiple pages, the surface of the tray will become very hot. Take care not to touch this surface, and keep children away from this surface;
17. The signal wire of the device connected with the printer can not be connected to the outdoors;
18. Please ensure timely ventilation in case of a prolonged use or printing huge amounts of documents in a poorly ventilated room;
19. In standby status, the product will automatically enter into the power saving (sleep) mode if it does not receive any job order for a while (such as 1 minute); and it can realize zero power consumption only if it has not been connected with any external input power supply;
20. As the Class 1 equipment, the product must be connected to the power supply outlet with protective grounding line when using;
21. This product should be placed according to the shipping marks on the product package box during delivery;
22. This product is a kind of low-voltage equipment. When using this product below the specified voltage range, please refer to the product precautions or call Aftersales Service Centre, if the toner comes off the printed contents, or the equipment starts slowly;
23. This product is sold as a complete machine. The consumers can go to Aftersales Service Centre to purchase parts they need. If the product sold is inconsistent with the package list, please go to the specified Aftersales Service Centre to solve the problem;
24. Install this product in a place with the temperature between 10°C and 32.5°C and the relative humidity between 20% and 80%;
25. For security and other reasons the printer may switch to intermittent printing after a certain amount of continuous printing.
26. Please keep this User Guide properly.



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## Legal Information

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This symbol indicates that, at the end of your product's life, it must not be discarded as domestic waste. Instead, you should dispose of your used equipment at a designated collection point for the recycling of waste electrical and electronic equipment. Ref: EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE). Please contact your distributor / supplier for further information.



This product is suitable for indoor use only.



The product can only be used safely in the non-tropical areas.



The product can only be used at an altitude no higher than 2000 meters.

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# Before Using the Printer

# 1

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1. Before Using the Printer .....2

1.1. Introduction of Models .....2

1.2. Supplied Accessories.....2

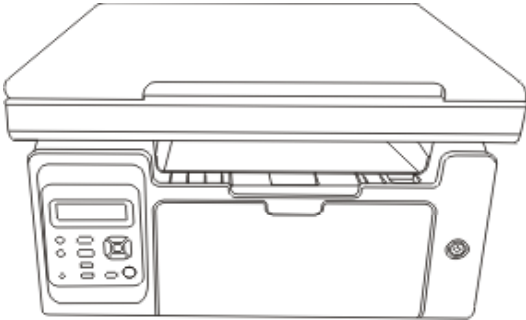
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# 1. Before Using the Printer

## 1.1. Introduction of Models

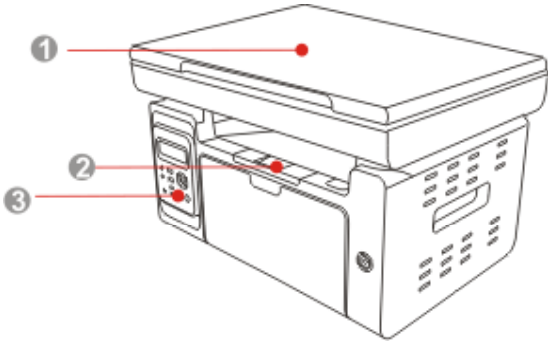
Picture	
Basic Function	Print, Copy, Scan
Basic Models	USB Model, NET Model, Wi-Fi Model
Basic Specifications	<ul style="list-style-type: none"><li>• The maximum print speed of A4 paper is 22ppm, and that of letter paper is 23ppm.</li><li>• The maximum volume of feeder tray is 150 pages and the maximum volume of output tray is 100 pages</li><li>• The maximum print volume is 20000 pages per month</li><li>• Support full-color scanning</li><li>• Support the function of scanning to email</li></ul>

## 1.2. Supplied Accessories

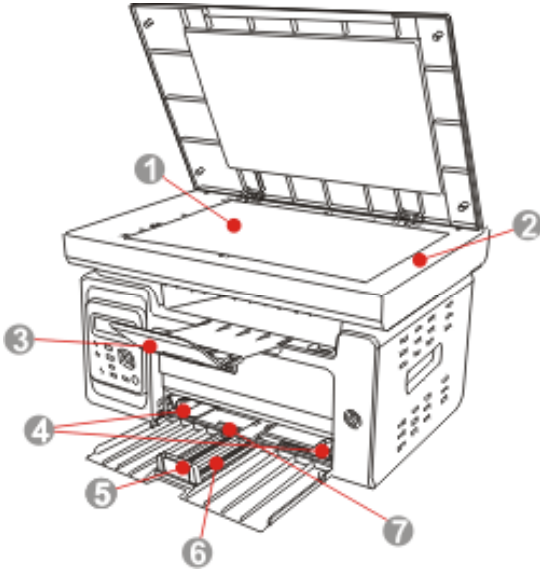
Name	
USB Interface Cable	
Power Cord	
CD-ROM	
Quick Setup Guide	
Warranty	

1.3. Product View

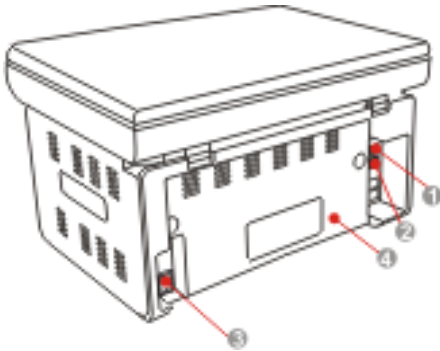
| Side view (1)

No.	
	
1	Cover
2	Output Bin
3	Control Panel

| Side view (2)

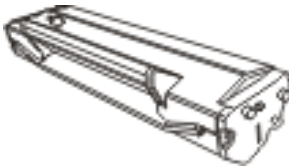
No.	
	
1	Glass Platen
2	Scanning Platform
3	Output Tray
4	Automatic Feed Paper Deflector
5	Paper Stop
6	Feeder Tray
7	Automatic Feeder Tray

| Rear View

No.	
Diagram	
1	USB Interface
2	Network Interface
3	Power Interface
4	Rear Cover

**1.4. Laser Toner Cartridge**

| Service Life of the Laser Toner Cartridge

	
Type	Average Print Volume
Laser Toner Cartridge with Standard Capacity	About 1600 Pages (The above data is based on ISO/IEC 19752 standard)

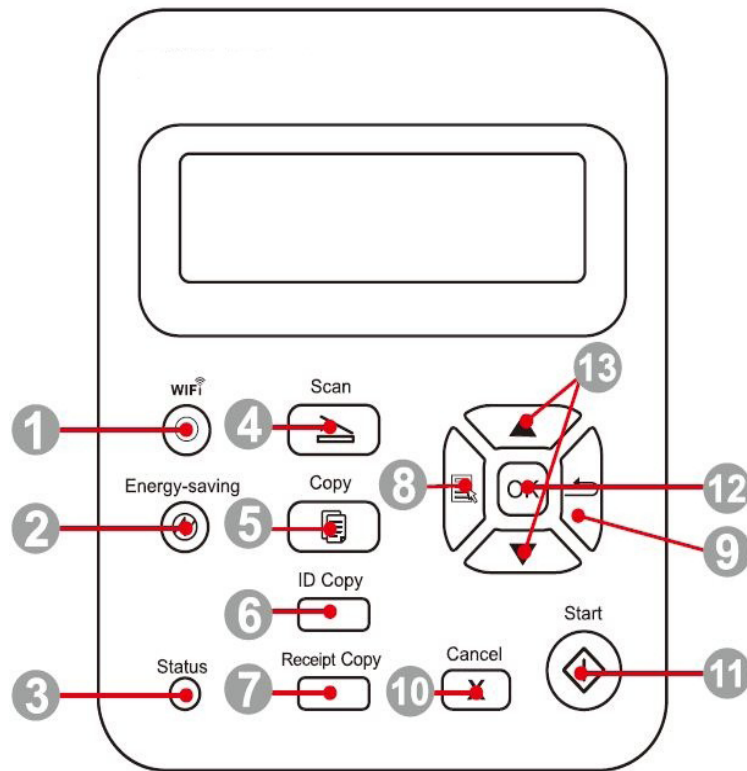


**Note:** • The model is subject to increase without notice.

- Consumables capacity may vary with different using types.
- It's not recommend using consumables other than the original Konica Minolta consumables.
- Any damages caused by using non-Konica Minolta original consumables are not covered by the Warranty.



## 1.5. Control Panel



1	Wi-Fi button	This button indicates the Wi-Fi connection status (only applicable to Wi-Fi Model)
2	Power Saving/ Wake-up Button	Press this button to switch to power saving status or wake the machine from power saving status
3	Status Light	This light indicates the ready, alarm and other status of the printer Green light: Normal Orange light: Alarm or Error in toner cartridge Red Light: Error
4	Scan Button	Press this button to enter into scan mode
5	Copy Button	Press this button to enter into copy mode
6	ID Card Copy Button	Press this button to enter into ID Card Copy mode
7	Bill Copy Button	Press this button to enter into Bill Copy mode
8	Menu Button	Press this button to access the menu options to make the settings
9	Back Button	Press this button to go back to the upper-level page
10	Cancel Button	Press this button to cancel the operation
11	Start Button	Press this button to start the corresponding operation after the operation setting
12	OK Button	Press this button to save the setting
13	“▲” and “▼”	Press these two buttons to browse each menu and its options

---

# Paper and Print Media

# 2

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2. Paper and Print Media.....2

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2.2. Special Paper .....3

2.3. Non-printing Area and Non-scanning Area .....4

2.4. Load the Paper .....5

2.5. Paper and Manuscript Use Process .....6

## 2. Paper and Print Media

### 2.1. Paper Specification

Media Type	Plain paper, thick paper, transparent film, carton paper, label paper, envelope, thin paper
Media size	A4, A5, A6, JIS B5, ISO B5, B6, Letter, Legal, Executive, Statement, Monarch envelope, DL envelope, C5 envelope, C6 envelope, NO.10 envelope, Japanese Postcard, Folio, Oficio, Big 16k, 32k, 16k, Big 32k, ZL, Yougata4, Postcard, Younaga3, Nagagata3, Yougata2, Custom
Media weight	60~163g/m <sup>2</sup>
Feeder tray volume	150 pages
Output tray volume	100 pages



- Note:** • It is recommended to use the standard paper and recycled paper for the printer.
- It is not recommended to use special paper extensively, which may affect the service life of the printer.
  - The print media that does not meet the guidelines listed in this User Guide may result in poor print quality, increased paper jam and excessive wear of the printer.
  - Properties such as weight, composition, texture and humidity are important factors affecting the printer performance and output quality.
  - Please note the following matters when selecting the print media:
    1. Desired print effect: The print media selected should meet the requirement of the print tasks.
    2. Surface smoothness: The smoothness of the print media may affect the sharpness of the print outcome.
    3. Some print media may meet all the use guidelines contained herein, but they still can not bring satisfactory effect. This may be due to incorrect operation, inappropriate temperature and humidity, or other factors beyond the control of Konica Minolta. Before purchasing large quantities of print media, make sure that the print media meets the specifications specified in this User Guide.
    4. Using print media that does not meet these specifications may cause damage to the printer.

## 2.2. Special Paper

This printer supports using the special paper for printing. Special paper includes: label paper, envelope, transparent film, thick paper, thin paper, etc.



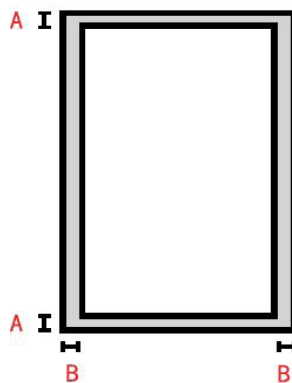
- Note:**
- When using special paper or print media, be sure to select matched print type and size in the print settings so as to get the best print effect.
  - When using special media to print, it is recommended to load one piece of paper at one time.

| Please observe the following standards:

Types of Print Media	Correct Practices	Incorrect Practices
Label Paper	Use labels with no exposed lining paper only. Labels shall be put flat when using. Use labels of full sheet only. There is no guarantee that all the labels in the market can meet corresponding requirements.	Use wrinkled, blistered or damaged label papers.
Envelope	Envelopes should be loaded evenly.	Use wrinkled, nicked, stuck or damaged envelopes. Use envelopes with clips, snaps, windows, or coated linings. Use envelopes with self-adhesive stickers or other synthetic materials.
Transparent Film	Only use transparent films approved for use in laser printers.	Use transparent print media that is not suitable for laser printers.
Thick Paper	Only use heavy paper that is approved for use in laser printers and meets the weight specifications of this printer.	Use the paper whose weight is more than the specification of the media recommended for this printer, unless the paper is approved for use in this printer.

## 2.3. Non-printing Area and Non-scanning Area

The shaded part indicates the non-printing area and non-scanning area.

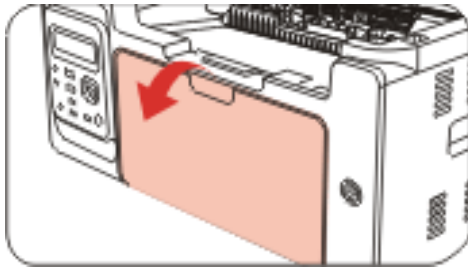


Usage	Paper Size	Top and Bottom Margins (A)	Left and Right Margins (B)
Print	A4	5 mm (0.197 inch)	5 mm (0.197 inch)
	Letter	5 mm (0.197 inch)	5 mm (0.197 inch)
Copy	A4	5 mm (0.197 inch)	5 mm (0.197 inch)
	Letter	5 mm (0.197 inch)	5 mm (0.197 inch)
Scan	A4	5 mm (0.197 inch)	5 mm (0.197 inch)
	Letter	5 mm (0.197 inch)	5 mm (0.197 inch)

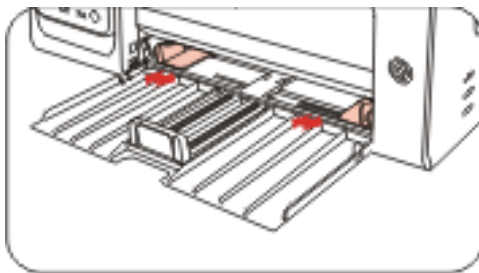
## 2.4. Load the Paper

Steps are as follows:

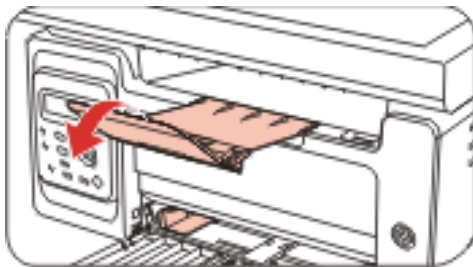
a) Open the feeder tray.



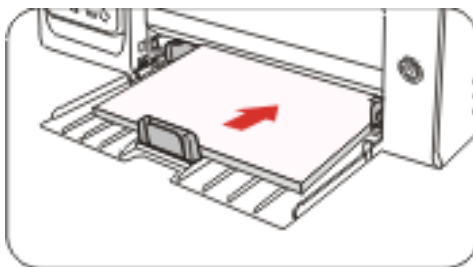
b) Slide the automatic feed guides to match both sides of the paper.



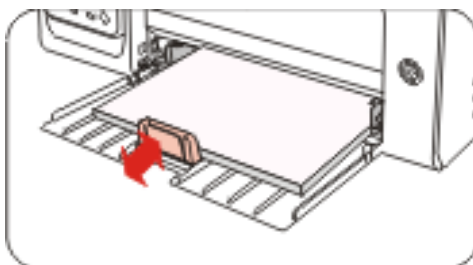
c) Raise the output tray to avoid the paper from slipping and falling.



d) Load the paper into the automatic feeder tray with the print-side up.



e) Adjust the paper stop to match the paper size.





- Note:** • If the paper loaded into the automatic feeder tray at one time exceeds 150 pages, paper will jam or cannot be fed in.
- When using the printed paper, please make the side to be printed (the blank side) up.
  - When printing on A5 paper, it is recommended that the paper is fed in landscape orientation, which can extend the service life of the laser toner cartridge.



### Warning



After printing, please immediately remove the paper, envelopes or transparent film paper. Stacking paper or envelopes may cause a paper jam or the paper curling.

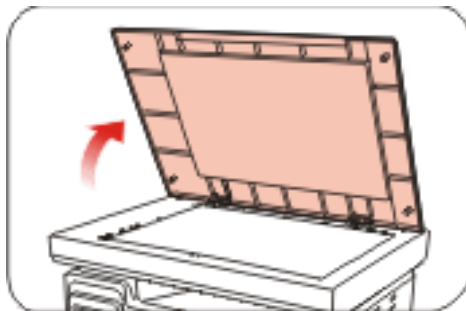
## 2.5. Paper and Manuscript Use Process

| Manuscript requirements:

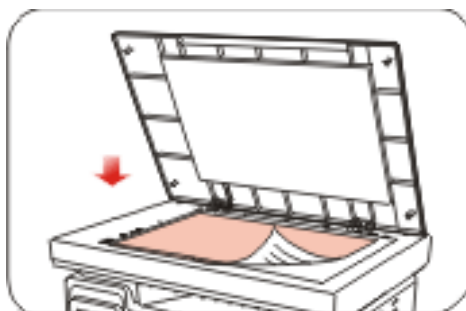
Type	Size
Plain paper, thick paper, transparent film, carton paper, label paper, envelope, thin paper	A4, A5, B5, Letter, Custom

Steps of Use:

1). Raise the cover.

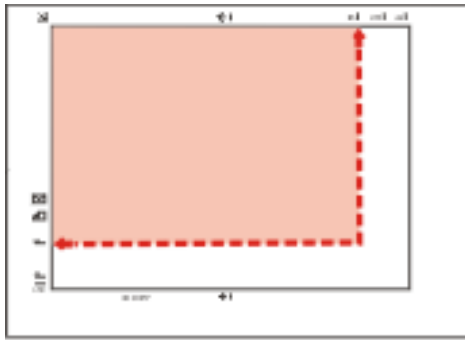


2). Load the manuscript face down.



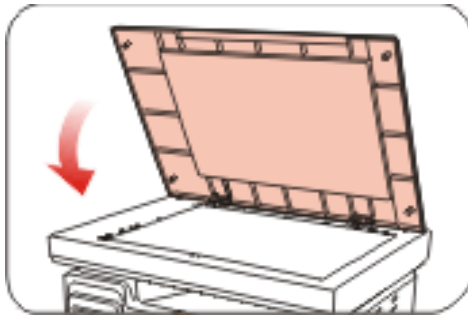


3). Align the manuscript to match the appropriate paper size.



**Note:** • If the manuscript does not match with any size marker, please align the upper-left corner of the manuscript with the arrow.

4). Gently put down the cover.



**Note:** • Please put the paper or document on the scanner glass after the glue, ink or correction fluid are completely dried.  
• Paper or manuscript with rough texture, concave and convex, oil stain and good smoothness has poor printing performance.  
• Please make sure that there is no dust, fluff, etc. on the paper.  
• Paper shall be put on a flat surface and stored under a cool and dry environment.

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# Installation and Uninstallation of the Driver Software

# 3

Chapter

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## 3. Installation and Uninstallation of the Driver Software

### 3.1. Windows-based Driver

#### 3.1.1. Introduction

Driver software helps users to run the installer and uninstaller through the installation and uninstallation wizards, which provides the following modules and main functions:

- Autorun completes the automatic running of the installation CD.
- Installation: Provides users with the installation wizard of the printer driver.
- Uninstallation: Provides users with the uninstallation wizard of the printer driver.



**Note:** • For users of Windows XP and Windows Server 2003, when connecting the printer device for the first time, New Hardware Wizard Found window will pop up. You should close this window. If this window is not closed, the printer may not be detected, resulting in failure of installation.

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#### 3.1.2. Installation Steps

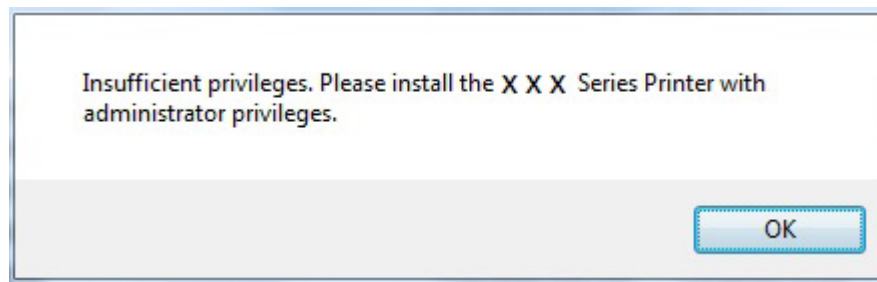
##### 3.1.2.1 USB Model Installation (One Click Installation)

###### 1) Running Interface

After inserting the installation CD, the Konica Minolta interface will pop up and the installation CD will run automatically. See the figure below:

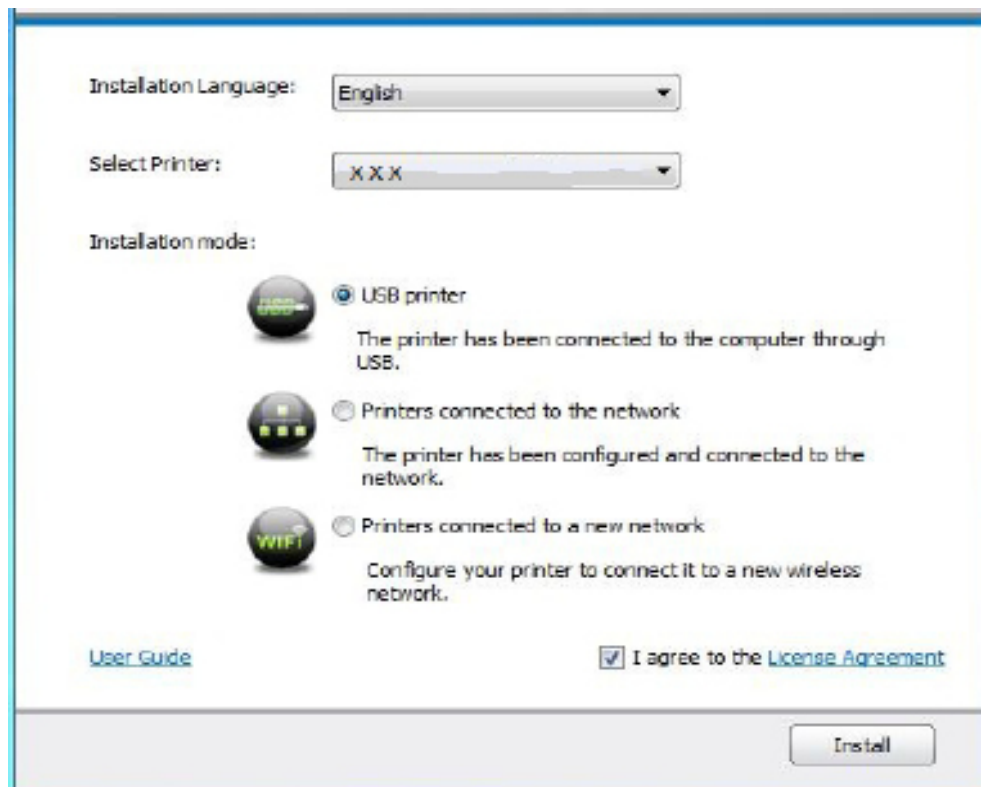


User authentication will be performed before the program runs. If the user is an administrator, this interface will be displayed. If the user is not an administrator, the prompt of "Insufficient privileges. Please install the X X X Series Printer with administrator privileges" will pop up.



## 2) Language Interface

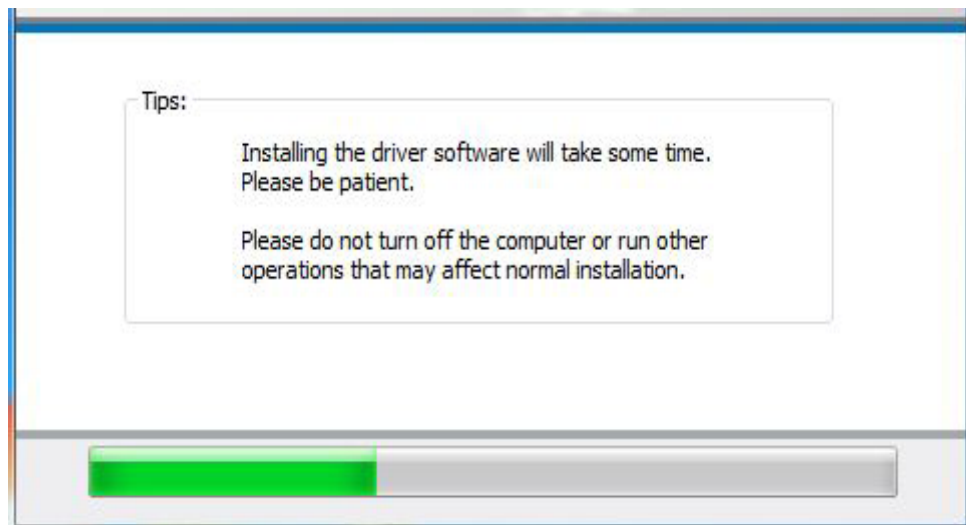
After the running interface ends, if the printer is connected to the computer through USB cord, then the language interface pops up. Users select the language depending on different needs.



**Note:** • you can click to see the user guide and the content of the License Agreement.

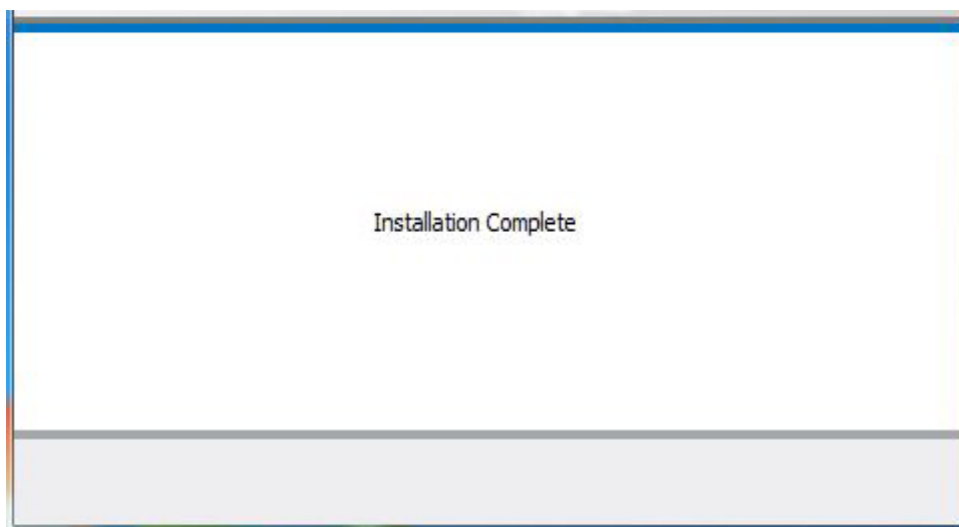
### 3) Installation Process Interface

Click Install to enter into the Installation Process interface. This interface is mainly used for the installation of driver softwares.



### 4) Installation Complete

The program will automatically enter into this interface after the driver installation is completed. It will automatically exit in 3 seconds and set the printer as default.



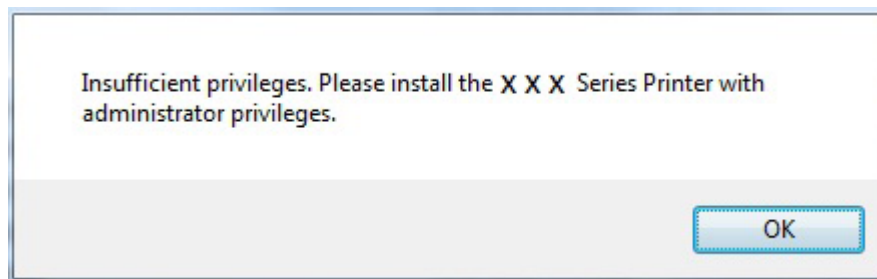
### 3.1.2.2. NET Model ( Wired and Wireless Networks)

#### 1) Running Interface

After inserting the installation CD, the Konica Minolta interface will pop up and the installation CD will run automatically. See the figure below:

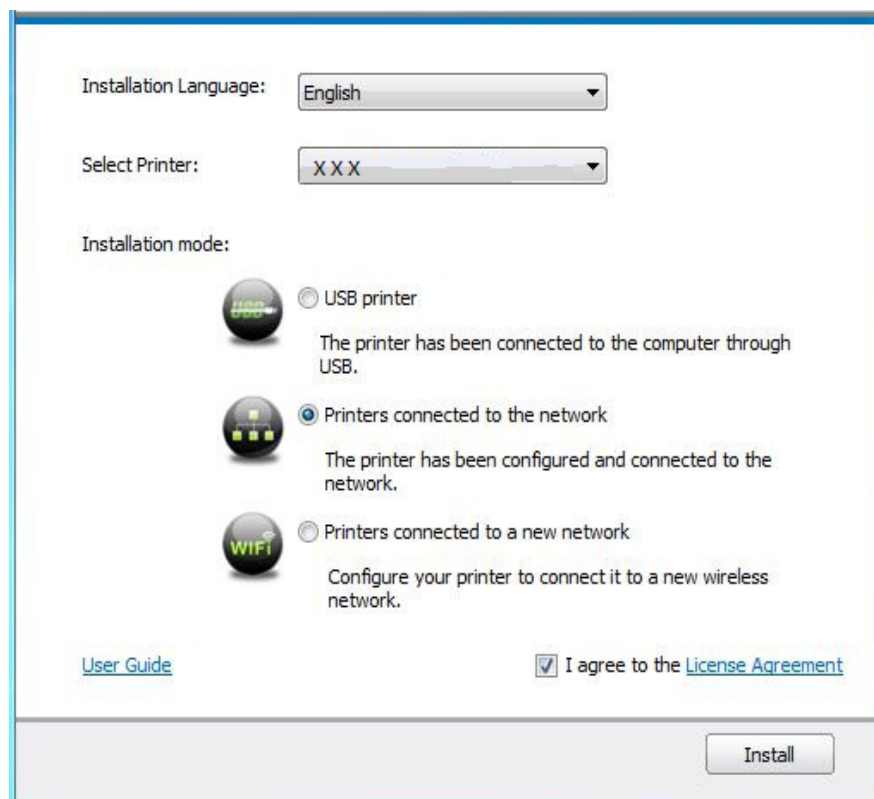


User authentication will be performed before the program runs. If the user is an administrator, this interface will be displayed. If the user is not an administrator, the prompt of "Insufficient privileges. Please install the X X X Series Printer with administrator privileges" will pop up.



### a) Installation Configuration

After the running interface ends, it will enter into Installation Configuration interface. Users will select the corresponding series, language and model according to the purchased printer model.



The screenshot shows the 'Installation Configuration' window. It has a light gray background with a blue border. At the top, there's a label 'Installation Language:' followed by a dropdown menu showing 'English'. Below that is 'Select Printer:' with a dropdown menu showing 'X X X'. The 'Installation mode:' section has three radio button options, each with a circular icon: 'USB printer' (with a USB icon), 'Printers connected to the network' (with a network icon), and 'Printers connected to a new network' (with a Wi-Fi icon). Each option has a descriptive text below it. At the bottom left is a link 'User Guide'. At the bottom right is a checked checkbox 'I agree to the License Agreement' with a link to the 'License Agreement'. A large 'Install' button is at the very bottom right.

Installation Language: English

Select Printer: X X X

Installation mode:

- ☐ USB printer  
The printer has been connected to the computer through USB.
- ☒ Printers connected to the network  
The printer has been configured and connected to the network.
- ☐ Printers connected to a new network  
Configure your printer to connect it to a new wireless network.

[User Guide](#) ☒ I agree to the [License Agreement](#)

Install

#### Installation Instruction:

USB Printer: applicable to USB Model offline or wired installation (the printer disconnected with the computer); or NET Model with USB Installation (disconnected to the Internet).

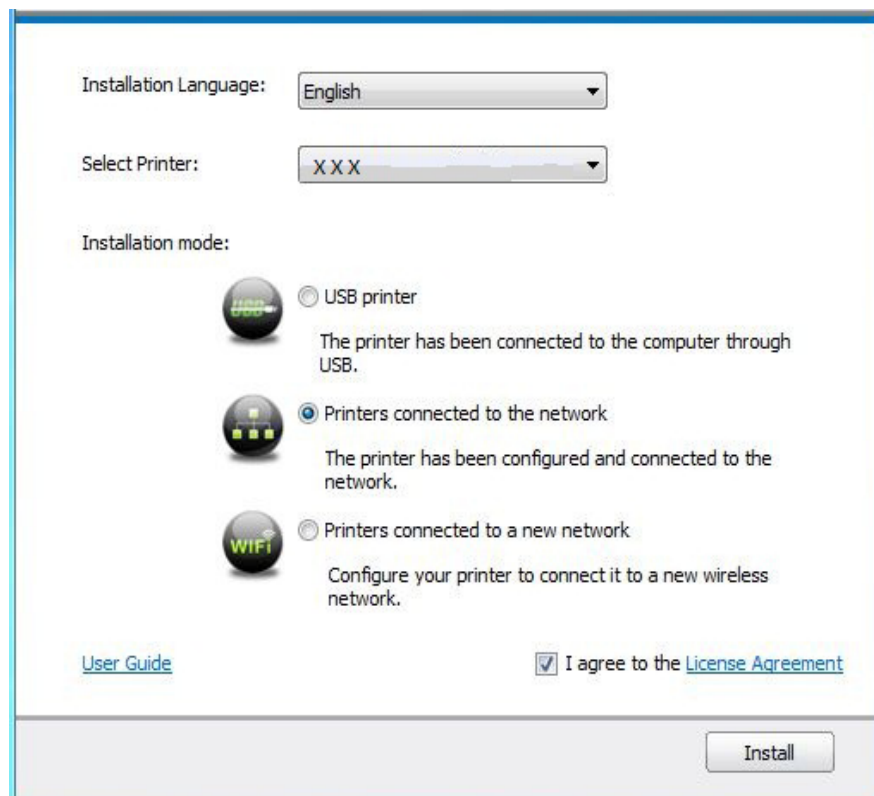
Printers connected to the network: applicable to NET Model Network Installation; or Wi-Fi Model connected to the Internet and reinstallation.

Printers connected to a new network: applicable to first-time Wi-Fi Model Installation, network configuration.



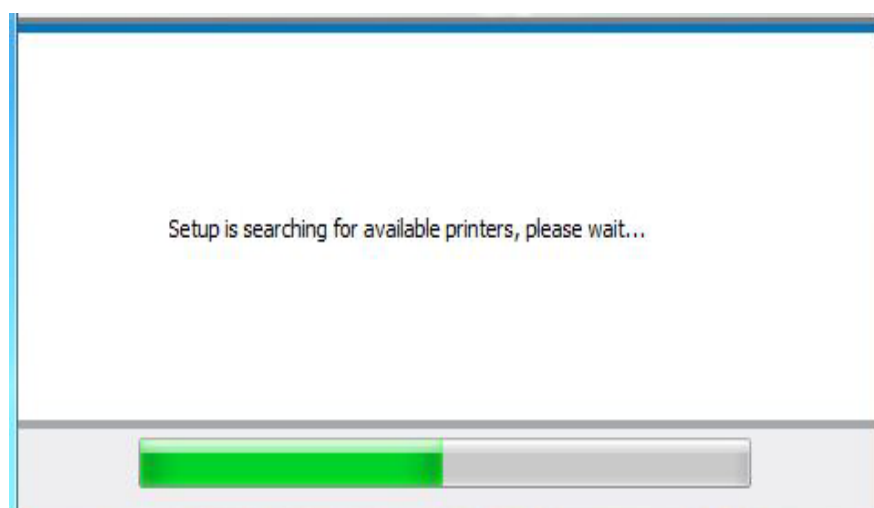
### 3.1.2.2.1. Wired Model Installation (Net)

1) The following interface will display, if users install the Net Model:



Users select Net Model through “Select Printer” and 2 installation options are available through Installation mode.

2) Search for Printer Interface:



After entering Search for Printers interface, the program will automatically search whether appropriate printer devices are connected to the computer.

### 3) Printer List

After searching for printer, the program will automatically enter into "Detected Printer" interface. Users can select the found printer or add printer by manually adding IP or Host Name.

☒ Detected Printer

	Printer Name	IP Address	Host name
<input checked="" type="checkbox"/>	X X X	<a href="#">10.10.148.157</a>	X X X

☐ Install the printer from the list with a hostname

☐ Add the IP address or hostname manually

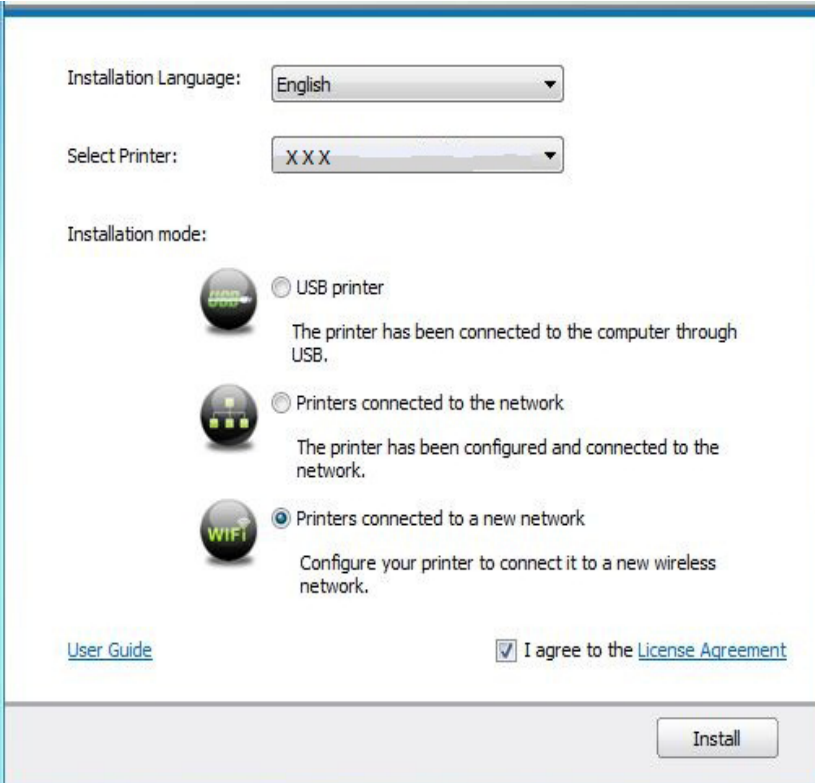
### 4) Printer Installation Interface

Click on "Next" in "Printer List" interface, the program will enter into "Printer Installation interface". After installation is completed, it will enter into "Installation Complete" interface, and exit in 3 minutes and set the printer as default.

Installation Complete

### 3.1.2.2.2. Wi-Fi Model Installation (Wi-Fi)

1) If users install the Wi-Fi Model, the following interface will display:



The image shows a software installation window for a Wi-Fi printer. It has a title bar and a main content area. At the top, there are two dropdown menus: 'Installation Language:' set to 'English' and 'Select Printer:' set to 'X X X'. Below these, the 'Installation mode:' section lists three options, each with a circular icon and a radio button. The first option is 'USB printer' with a USB icon and the text 'The printer has been connected to the computer through USB.' The second is 'Printers connected to the network' with a network icon and the text 'The printer has been configured and connected to the network.' The third is 'Printers connected to a new network' with a Wi-Fi icon and the text 'Configure your printer to connect it to a new wireless network.' This third option is selected. At the bottom left is a 'User Guide' link, and at the bottom right is a checkbox 'I agree to the License Agreement' which is checked. An 'Install' button is at the bottom right.

Installation Language: English

Select Printer: X X X

Installation mode:

- ☐ USB printer  
The printer has been connected to the computer through USB.
- ☐ Printers connected to the network  
The printer has been configured and connected to the network.
- ☒ Printers connected to a new network  
Configure your printer to connect it to a new wireless network.

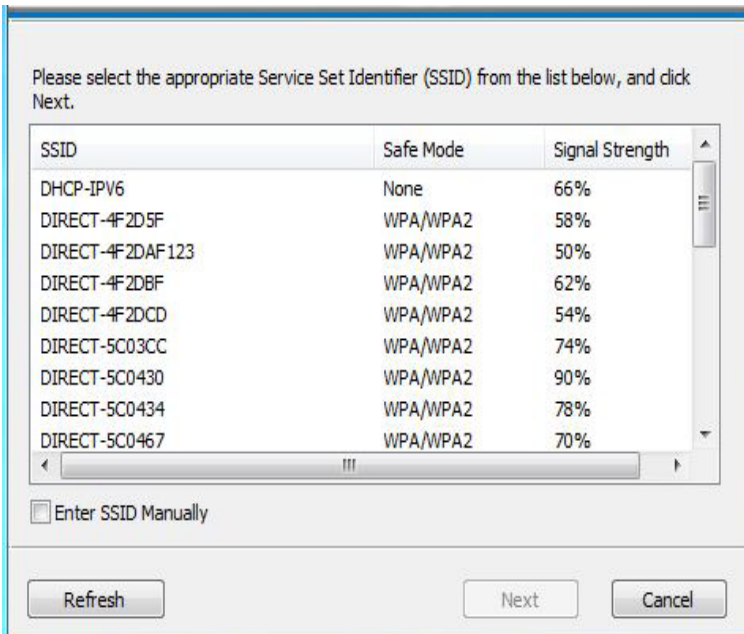
[User Guide](#) ☒ I agree to the [License Agreement](#)

Install

Users select Wi-Fi Model through “Select Printer”, and 3 installation options are available through Installation mode. Generally, users select the third installation method at the first-time installation.

#### 2) Wi-Fi Configuration Interface

At the first installation, user will install Wi-Fi Model through Wi-Fi Configuration interface and connect the printer to Wi-Fi. Please refer to Chapter 5.2.1 to see the specific setting steps of Wi-Fi configuration tools.



The image shows a Wi-Fi configuration window. It has a title bar and a main content area. At the top, it says 'Please select the appropriate Service Set Identifier (SSID) from the list below, and click Next.' Below this is a table with three columns: 'SSID', 'Safe Mode', and 'Signal Strength'. The table lists several SSIDs, including 'DHCP-IPv6', 'DIRECT-4F2D5F', 'DIRECT-4F2DAF123', 'DIRECT-4F2DBF', 'DIRECT-4F2DCD', 'DIRECT-5C03CC', 'DIRECT-5C0430', 'DIRECT-5C0434', and 'DIRECT-5C0467'. The 'Safe Mode' column shows 'None' for DHCP-IPv6 and 'WPA/WPA2' for the others. The 'Signal Strength' column shows percentages ranging from 50% to 90%. Below the table is a checkbox 'Enter SSID Manually' which is unchecked. At the bottom are three buttons: 'Refresh', 'Next', and 'Cancel'.

Please select the appropriate Service Set Identifier (SSID) from the list below, and click Next.

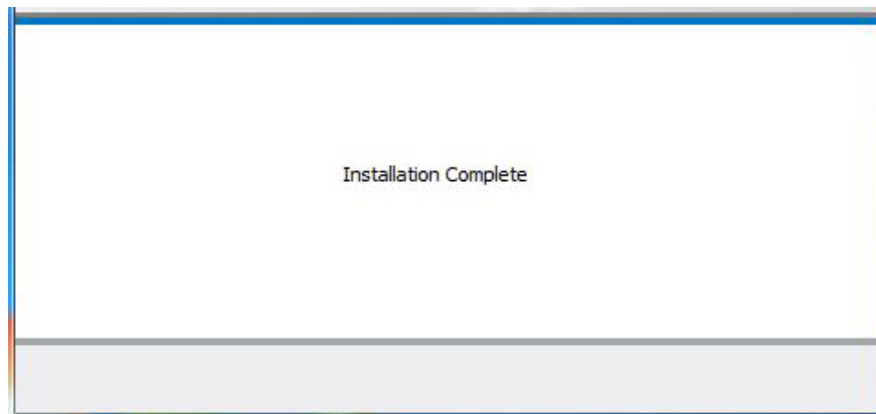
SSID	Safe Mode	Signal Strength
DHCP-IPv6	None	66%
DIRECT-4F2D5F	WPA/WPA2	58%
DIRECT-4F2DAF123	WPA/WPA2	50%
DIRECT-4F2DBF	WPA/WPA2	62%
DIRECT-4F2DCD	WPA/WPA2	54%
DIRECT-5C03CC	WPA/WPA2	74%
DIRECT-5C0430	WPA/WPA2	90%
DIRECT-5C0434	WPA/WPA2	78%
DIRECT-5C0467	WPA/WPA2	70%

☐ Enter SSID Manually

Refresh Next Cancel

### 3) Installation Complete Interface

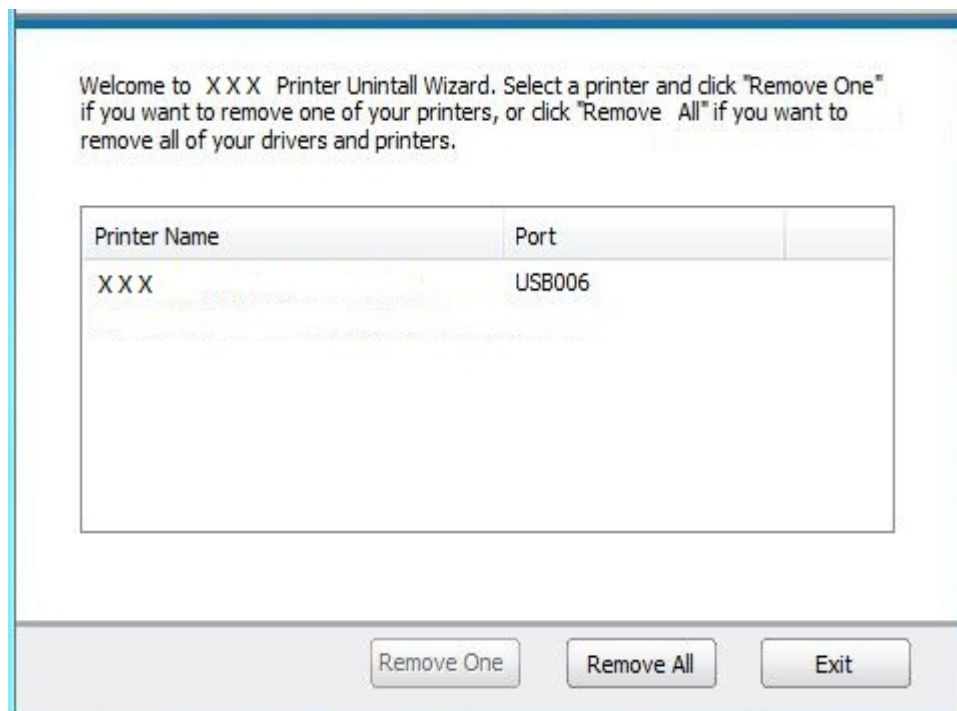
This interface indicates that the installation is completed.



### 3.1.3. Uninstallation

#### 1) Select Uninstallation Mode.

In the "Start" menu, select Konica Minolta uninstallation icon to enter the uninstallation interface or find "Add/Remove" and relevant Konica Minolta options in the PC Control Panel, and click on "Change and Delete". Delete interface will pop up. Users can select to uninstall the printer that needs to be uninstalled.



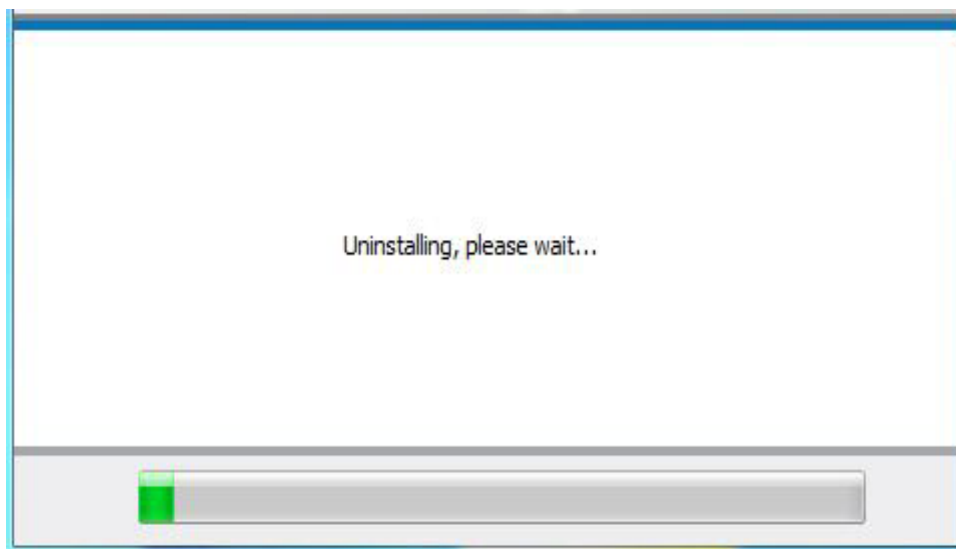
## 2) Uninstallation Privilege Verification

Uninstallation requires administrator privileges. If a non-administrator runs the uninstaller, this prompt will pop up: "Insufficient privileges. Please uninstall the printer with administrator privileges."

If any task remains in the print queue, a warning will pop up, saying "X X X laser printer is printing. Please uninstall the driver after the printing is completed."

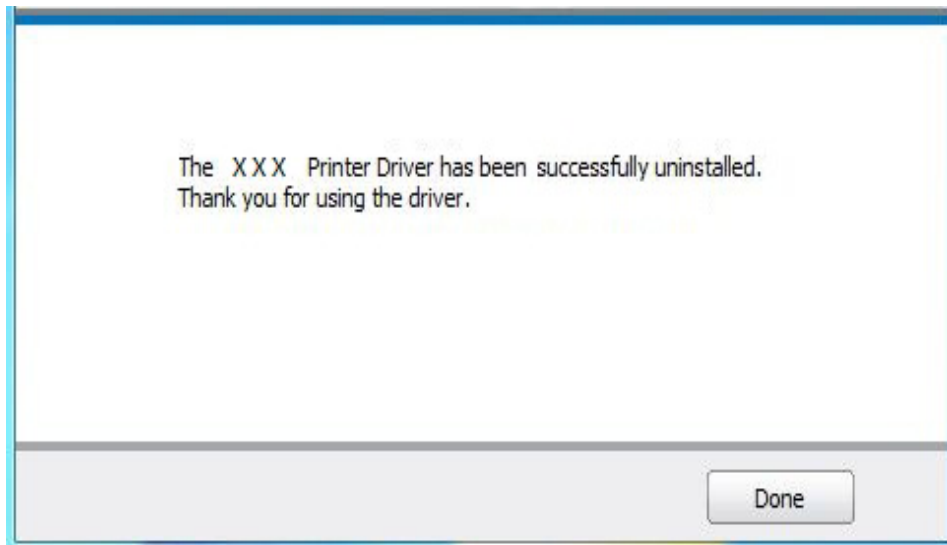
## 3) Uninstallation Interface

After selecting the printer, click on "Remove One" or "Remove All" to enter into Uninstallation interface.

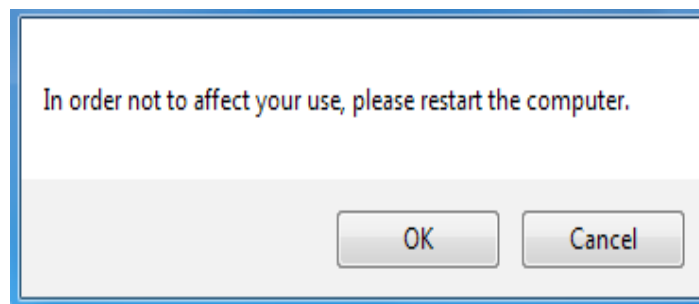


#### 4) Complete Interface

After the uninstallation progress bar completes, the program will automatically switch to Uninstall Complete Interface. Click "Done" to finish the uninstallation successfully.



Click "Done" button, the following window will pop up prompting you to restart the computer. Click "OK" to exit the uninstaller and restart the computer; click "Cancel" to exit the uninstaller.



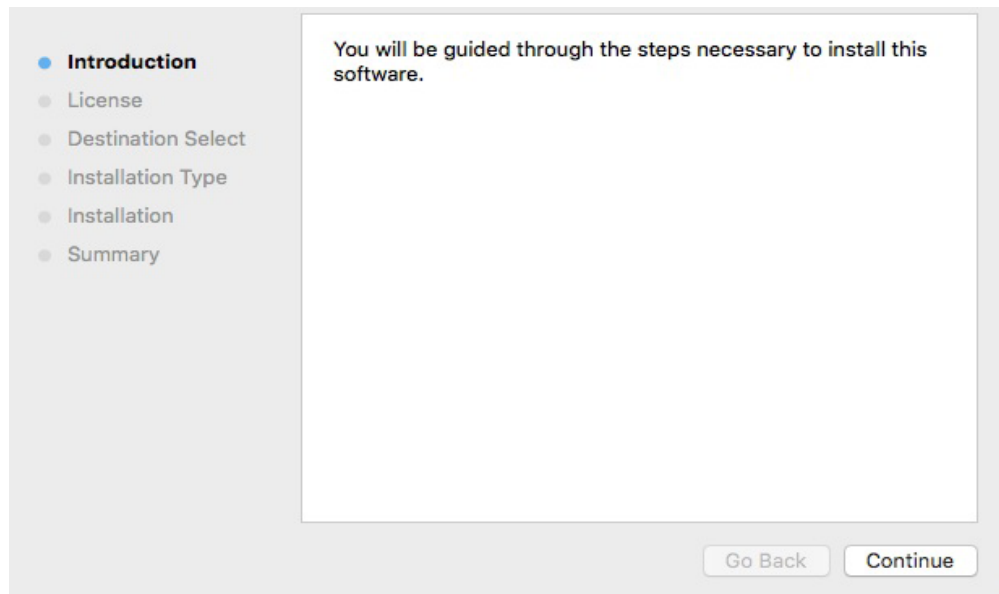
**Note:** • If you choose not to restart the computer after the uninstallation is completed, an unsuccessful installation or scan abnormality after installation may occur when reinstalling the driver.

### 3.2. Installation of the Driver Software on a Mac System

Mac driver installer is created by using the Package Maker software that comes with the Mac system. The installation procedure is basically consistent with the installation of any ordinary software under Mac. The installation consists of the following steps: introduction, license, destination volume, installation type, installation, summary.

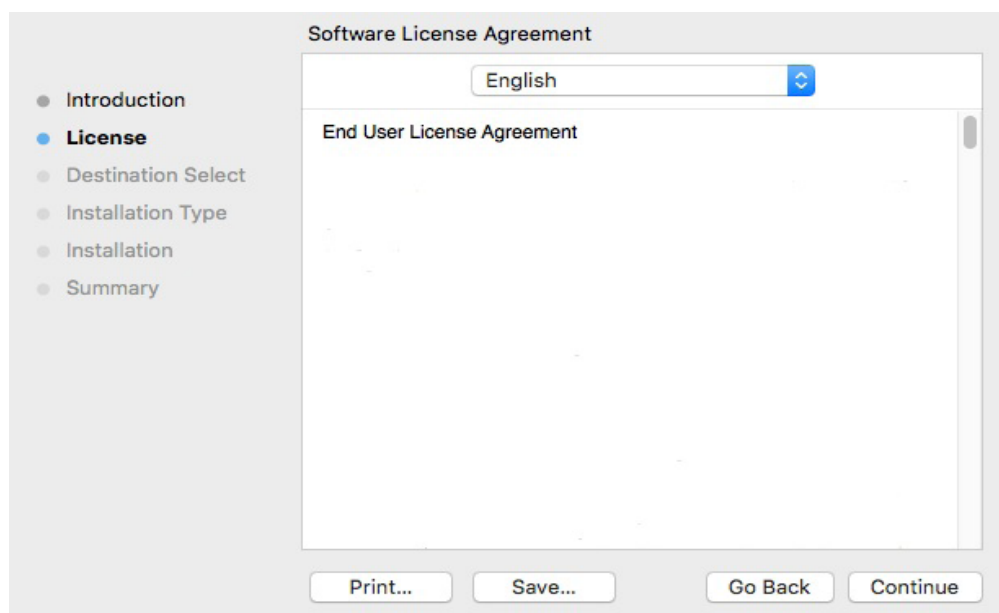
#### 1) Introduction

Display the content of License Agreement.



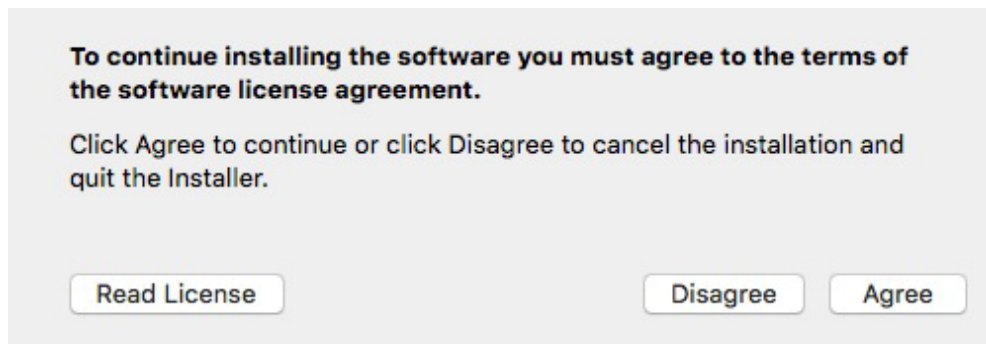
#### 2) License

The content of License Agreement, as shown below.



Click Continue. "To continue installing the software you must agree to the terms of the Software License Agreement. " dialog box will pop up.

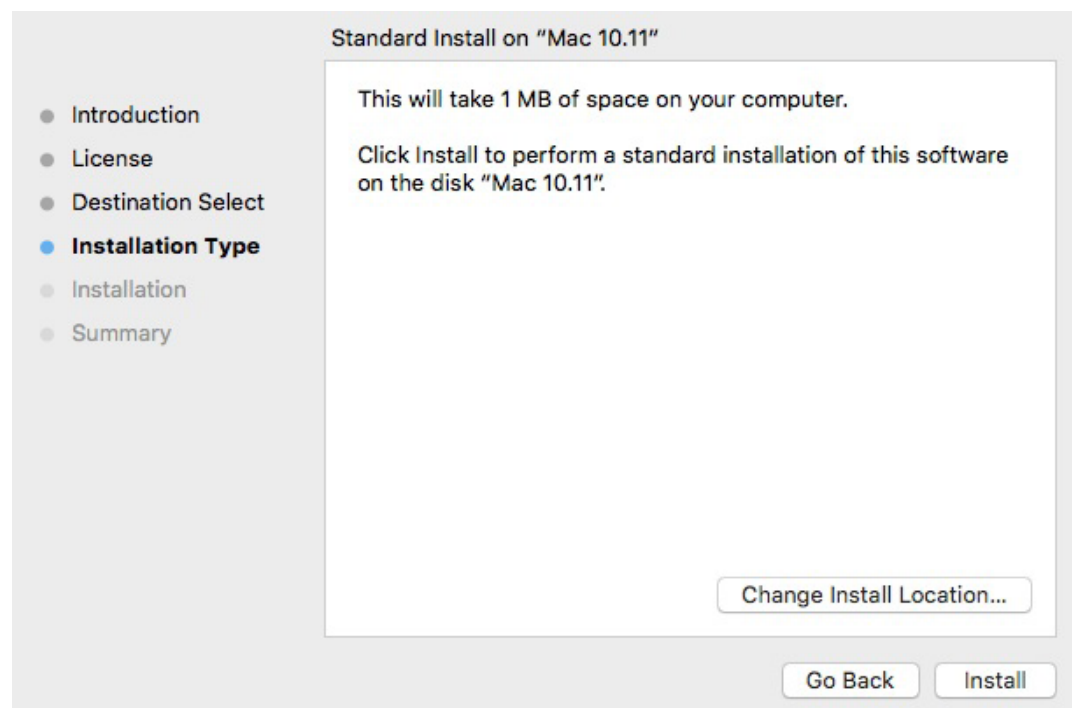




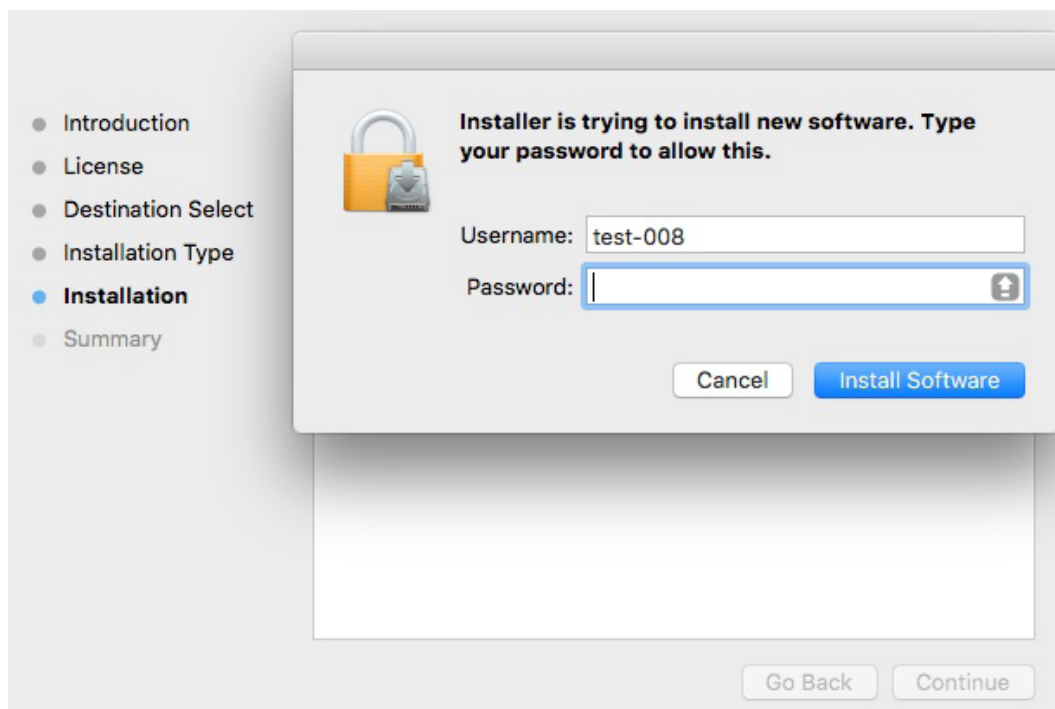
Click Agree to accept the License Agreement and continue the installation.

### 3) Installation Type

Display the installation-related information, as shown below.

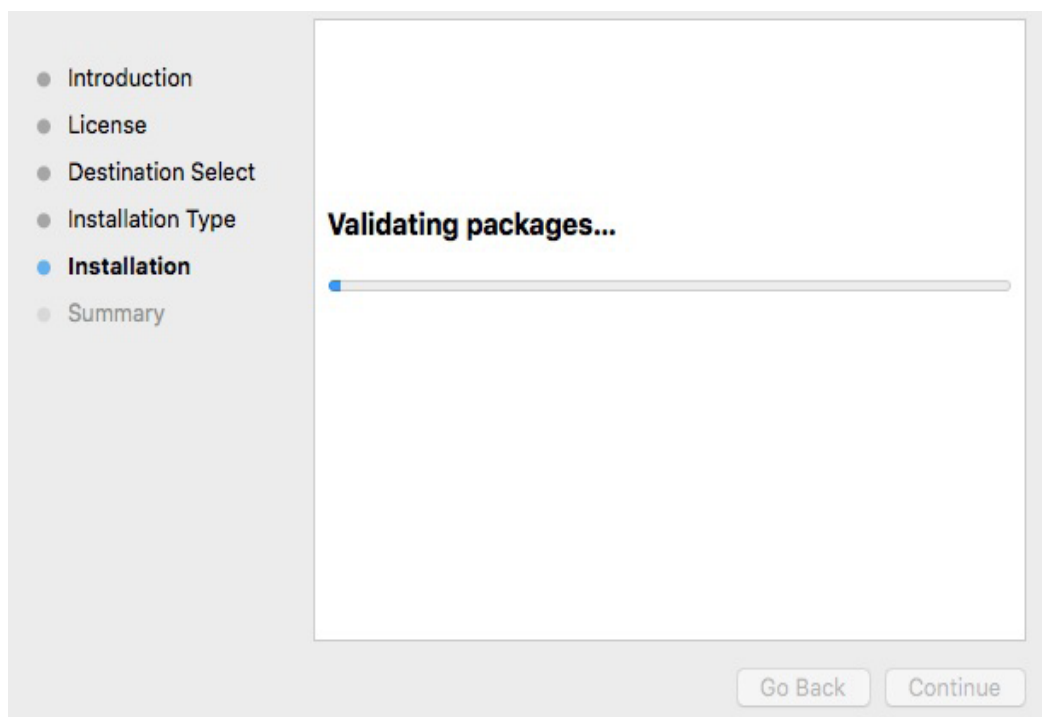


Click Install, the following prompt box will pop up. After logging in as an administrator and getting permission, you can continue with the installation.



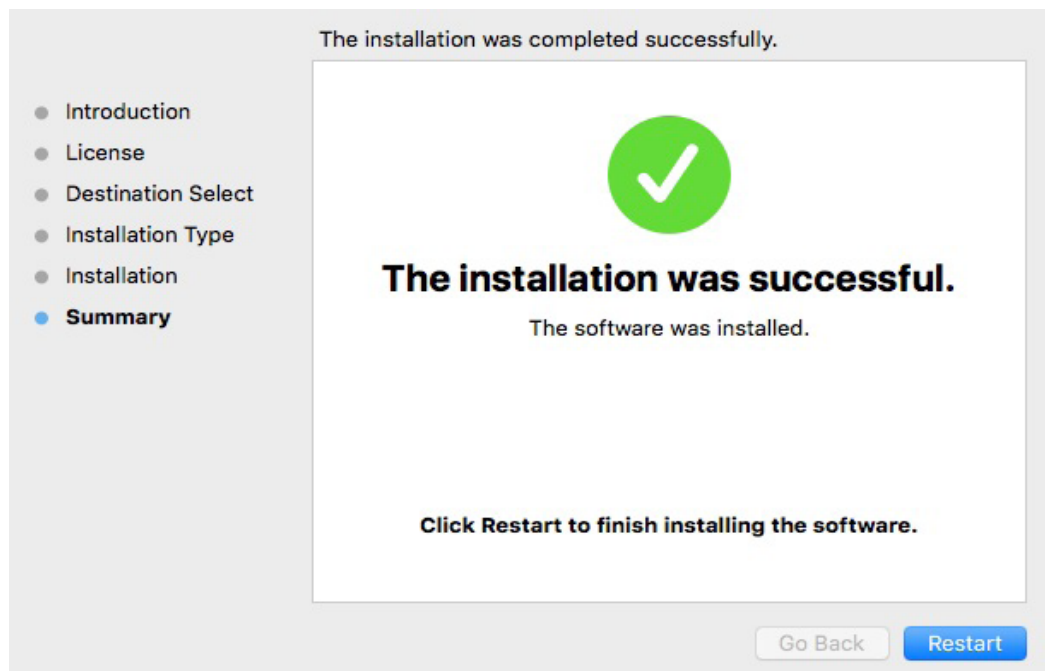
#### 4) Installation

The installation progress, as shown below.



## 5) Summary

The installation completes, as shown below.



---

**Note:** • There is no need for uninstallation on Mac. You can install the new version directly even when a previous version exists on the computer.

---

---

# Wired Network Setting (For printer models that support wired network printing)

# 4

Chapter

- 4. Wired Network Settings (For printer models that support wired network printing) ..... 2
  - 4.1. Install the Printer to Network..... 2
  - 4.2. Control the Network Printer ..... 2
    - 4.2.1. View or Change Network Settings ..... 2
    - 4.2.2. Set or Change Web Server Login Password ..... 2

## 4. Wired Network Settings (For printer models that support wired network printing)

Printers that support wired network printing can be connected to the Internet, thereby the printer will work under the control through a wired network.

### 4.1. Install the Printer to Network

Please refer to Chapter 3.1 to see the installation steps of NET Model.

### 4.2. Control the Network Printer

User can control the network settings through the built-in WEB Server in the printer.

#### 4.2.1. View or Change Network Settings

- 1) From the printer's Control Panel, using the steps in Chapter 7.1.6, print the report of the printer's network configuration information and check it to get the printer's IP address.
- 2) Type the IP address into the Web browser's address bar to access the embedded Web server of the printer.
- 3) Complete the settings of the Networking Protocol, wireless network, Wi-Fi hotspot, address list, e-mail and other relative configuration information in the "Setting".

The screenshot displays the printer's web interface. At the top, there is a navigation bar with tabs: Information, Setting (selected), Admin Setting, and Log out. Below this, the 'Setting' page is shown. On the left, a sidebar menu lists various settings categories: Network settings, Protocol Settings (expanded), IPv4 (selected), RAW/LPD, SNMP, SMTP, Bonjour, IPv6, WSD, FTP, Wireless Settings (expanded), Wireless Network, Wireless Hotspot, and Machinery settings. The main content area is titled 'IPv4' and contains several configuration fields: Host Name (text box with 'XXX-00ACDE'), MAC Address (text box with 'a0:ef:84:00:ac:de'), IPv4 Address Assignment Mode (dropdown menu set to 'Automatic'), IPv4 Address (text box with '10.10.148.138'), Subnet Mask (text box with '255.255.255.0'), Gateway Address (text box with '10.10.148.254'), and Domain Name (empty text box). At the bottom right of the main content area, there are 'Apply' and 'Cancel' buttons.

#### 4.2.2. Set or Change Web Server Login Password

You can control the printer using the administrator settings.

Steps:

- 1) After opening the built-in WEB server, log in (default user name is admin, default password is 000000).
- 2) Click "Administrator Settings" to conduct corresponding operations.

---

# Wireless Network settings (for models with Wi-Fi printing)

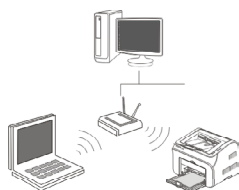
# 5

Chapter

- 5. Wireless Network settings (for models with Wi-Fi printing) ..... 2
  - 5.1. Configuration via Button ..... 2
  - 5.2. Configuration via USB Connection ..... 2
    - 5.2.1. Wi-Fi Configuration Tool..... 2
  - 5.3. Wi-Fi Hotspot Configuration..... 5
  - 5.4. Turn off Wireless Device ..... 5

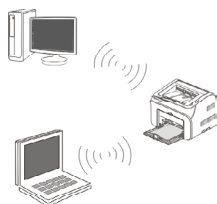
## 5. Wireless Network settings (for models with Wi-Fi printing)

Based on models, printers with Wi-Fi printing support two types of wireless connection, Infrastructure Connection Mode and Wi-Fi hotspots. Generally, only one type of connection can be used between the computer and the printer each time.



### Infrastructure Connection Mode

The printer communicates with the wireless device via the access point.



### Wi-Fi Hotspot

The wireless computer is directly connected with the wireless device.

---

### 5.1. Configuration via Button

If the printer connects with the wireless router that supports WPS, wireless network can be easily configured via the Wi-Fi button on the control panel.

Configuration: Press and hold “Wi-Fi” button on the printer’s Control Panel to launch WPS. Press the WPS button on the wireless router after 2 minutes of the launching, then the printer will be connected to the wireless network.



**Note:** • Wireless Router needs to support WPS mode.

- The WPS can be configured only when the network cable is unplugged.
- 

### 5.2. Configuration via USB Connection

USB Connection Configuration means using USB cable to connect the printer with the computer, then launch the wireless network configuration tool on your computer and conduct wireless network configuration on the printer.

#### 5.2.1. Wi-Fi Configuration Tool

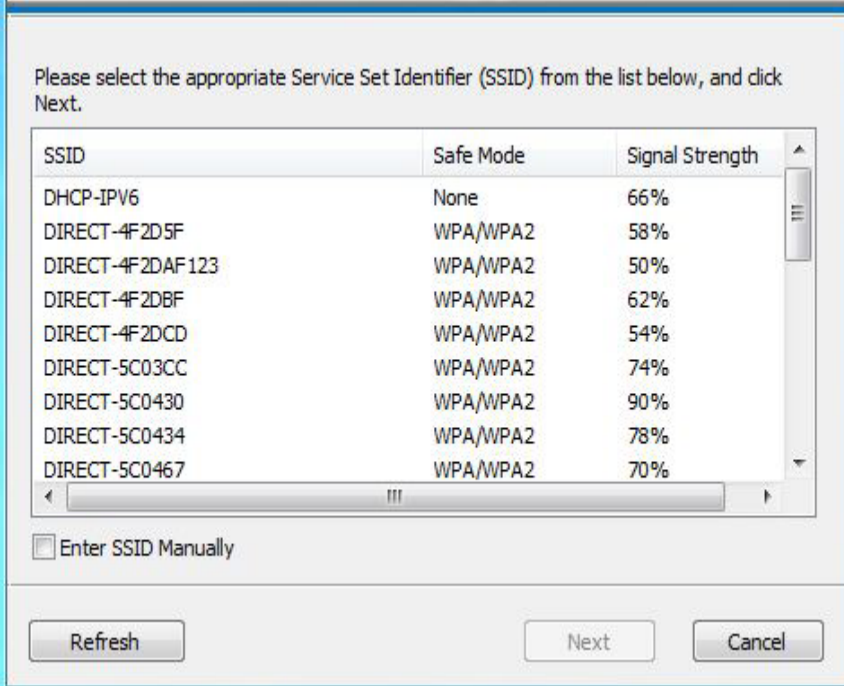
Wi-Fi configuration tool is a computer software that helps users to set the printer SSID, encryption method and password. Turn on the Wi-Fi configuration tool in the driver installation package. The specific steps are as follows:

##### 1) Detect Wireless Network Card

Wi-Fi configuration tool can search the wireless network automatically by a wireless card in the computer. If the computer does not have a wireless card, the option of “Manually Enter the SSID” will be automatically checked on the “Wireless Network List” page.

## 2) Wireless Network List

After launching the configuration tool, the Wireless Network List interface will be displayed to provide selection function of wireless network.



Please select the appropriate Service Set Identifier (SSID) from the list below, and click Next.

SSID	Safe Mode	Signal Strength
DHCP-IPv6	None	66%
DIRECT-4F2D5F	WPA/WPA2	58%
DIRECT-4F2DAF123	WPA/WPA2	50%
DIRECT-4F2DBF	WPA/WPA2	62%
DIRECT-4F2DCD	WPA/WPA2	54%
DIRECT-5C03CC	WPA/WPA2	74%
DIRECT-5C0430	WPA/WPA2	90%
DIRECT-5C0434	WPA/WPA2	78%
DIRECT-5C0467	WPA/WPA2	70%

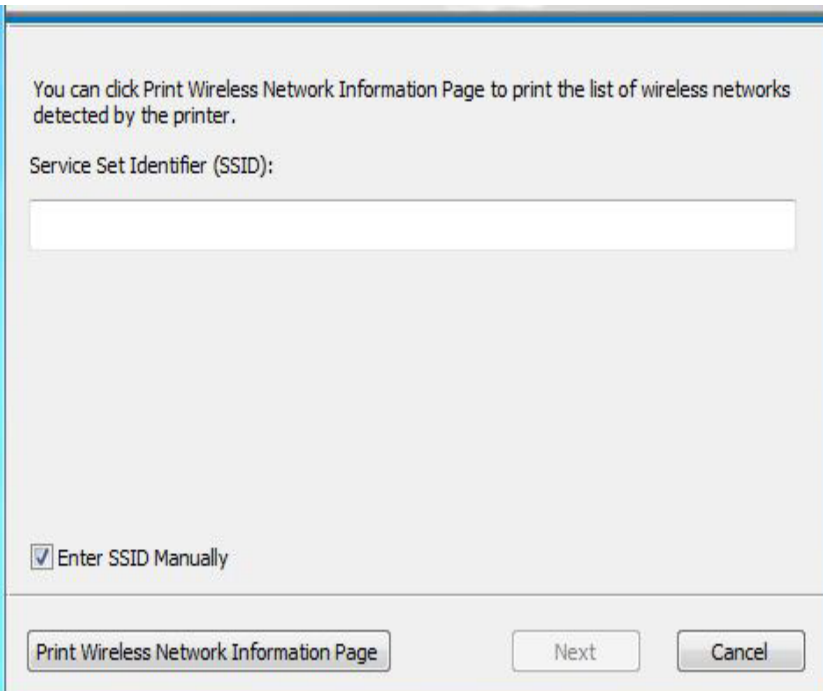
☐ Enter SSID Manually

Refresh Next Cancel

Users can select an item in the list, and then click on “Next” to enter the Information Input interface, or manually input the SSID on the bottom left corner.

## 3) Manually Enter SSID

Click "Enter SSID Manually" to switch to the interface of manually entering the SSID.



You can click Print Wireless Network Information Page to print the list of wireless networks detected by the printer.

Service Set Identifier (SSID):

☒ Enter SSID Manually

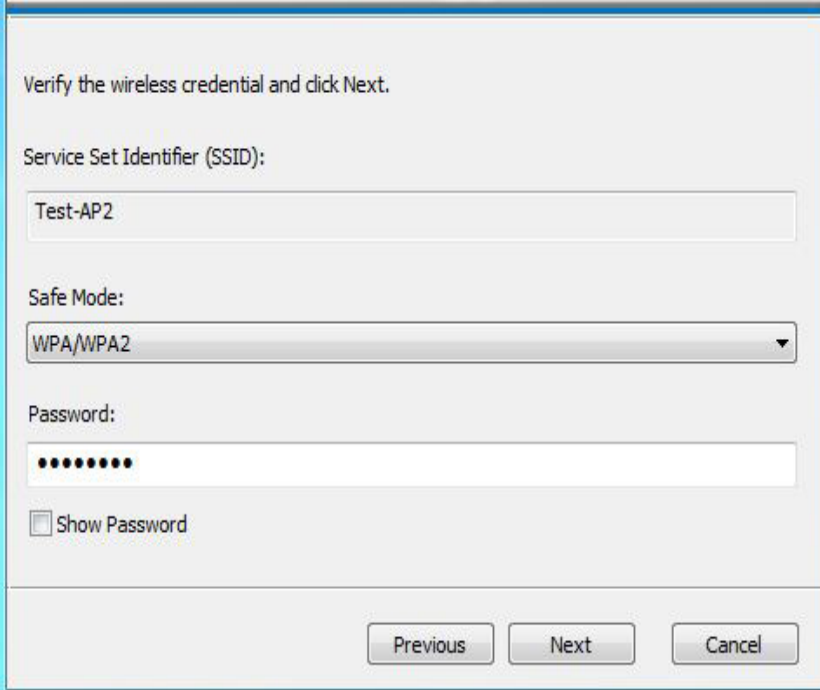
Print Wireless Network Information Page Next Cancel

Input the needed SSID in the “SSID” bar; Click on “Print the Wireless Network Page” to get the list of the found wireless networks.



#### 4) Input Configuration Information

Entering the Input Information interface, users can set relative information of the wireless network.



Verify the wireless credential and click Next.

Service Set Identifier (SSID):

Test-AP2

Safe Mode:

WPA/WPA2

Password:

••••••••

☐ Show Password

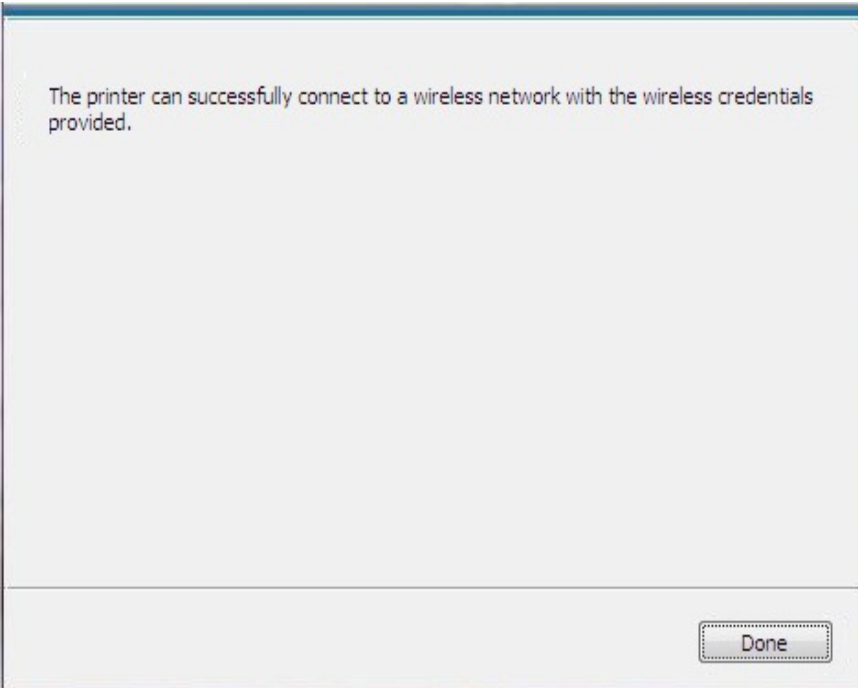
Previous Next Cancel

After the configuration, click on “Next”.

#### 5) Configuration Completed

After completing the above steps, the Wireless Network Configuration Result interface pops up. The configuration result will be displayed.

If the configuration of the printer’s wireless network is successful, the following interface will pop up:



The printer can successfully connect to a wireless network with the wireless credentials provided.

Done

### **5.3. Wi-Fi Hotspot Configuration**

When the wireless hotspot of printer is active, the user can connect to it directly by searching. The wireless hotspot is enabled by default, and the default password is "12345678". The printer-specific SSID and password can be obtained from Wi-Fi Configuration Information Page, which can be printed out by selecting Print Wi-Fi Configuration. After establishing the connection, the configuration can be completed according to the Web configuration method.

### **5.4. Turn off Wireless Device**

If you want to disconnect the printer with the wireless network, you can turn off the wireless device in the printer.

- 1) Users can disconnect the wireless network by pressing the "Wi-Fi" button on the printer's control panel for over 2 seconds.
- 2) To verify whether turn off successfully or not, users can check whether the Wi-Fi button is on or not ,or print the network configuration information to check the wireless network status.

---

# Mobile Print and Mobile Scan

# 6

## Chapter

- 6. Mobile Print and Mobile Scan.....2
  - 6.1. Introduction to Mobile Print and Mobile Scan .....2
    - 6.1.1. What's Mobile Print and Mobile Scan .....2
    - 6.1.2. Download Mobile Print and Mobile Scan .....2
  - 6.2. Operation Steps for Mobile Print.....2
    - 6.2.1. For Android Devices.....2
    - 6.2.2. For Apple IOS Devices (iPad, iPhone, etc) .....4
  - 6.3. Operation Steps for Mobile Scan.....6
    - 6.3.1. For Android Devices.....6
    - 6.3.2. For Apple IOS Devices (iPad, iPhone, etc) .....9

## 6. Mobile Print and Mobile Scan

### 6.1. Introduction to Mobile Print and Mobile Scan

#### 6.1.1. What's Mobile Print and Mobile Scan

Mobile Print and Mobile Scan is a free application, which allows users to directly print photos, documents, WebPages, scanned photos and scanned documents from the mobile terminal.

It connects your mobile device with wireless printer through Wi-Fi access points. You just need to install the Mobile Print application for configuring the network settings, then it will automatically detect compatible printer to print, which is very convenient and efficient.

#### 6.1.2. Download Mobile Print and Mobile Scan

To download the Mobile Print and Mobile Scan application, please visit official website [www.konicaminolta.com.cn](http://www.konicaminolta.com.cn).

#### 6.1.3. Supported Mobile Operating System

It is available to mobile operating systems with Android 4.0 or later versions , IOS6.0 or later versions and supports a resolution of 480 \* 800dpi or higher.

## 6.2. Operation Steps for Mobile Print

### 6.2.1. For Android Devices

1. Turn on the printer.
2. Launch the Wi-Fi in the mobile device, connect it with the Wi-Fi hotspot of printer .



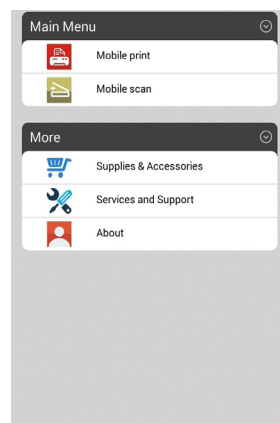
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**Note:** • Mobile printing for Android system, the current product supports only for printing txt documents, images or web pages, but not for printing documents in PDF, Word, Excel, PPT, etc.

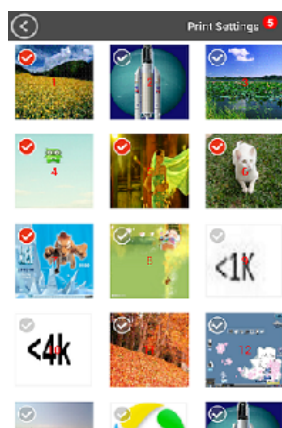
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If there are several Wi-Fi printers, when you select the printer hotspot, please tap Menu Button on the printer to be used, select Information Report and select Print Wi-Fi Configuration. Then, the printer will print out Wi-Fi Configuration Information Page. View the hotspot name of SSID in Wi-Fi Configuration Information Page, and connect to the appropriate hotspot with your mobile phone.

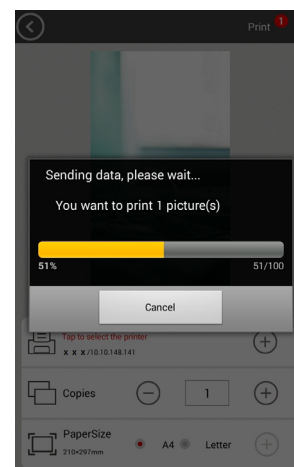
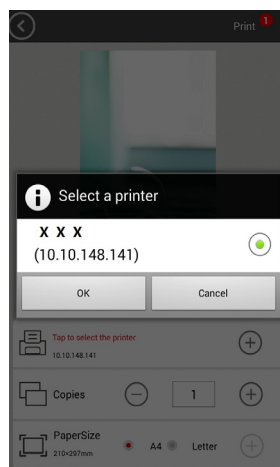
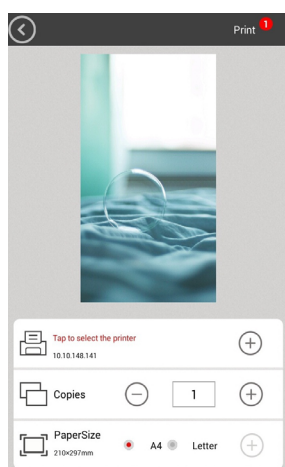
3. Launch Mobile Print App to enter into home page and select “Mobile print”.



4. Select any item from the Menu, such as “Print from Album”, select pictures you need to print, click on “Print Setting” on the top right corner.



5. Select printer, number of copies and paper size, click on “Print” on the top right corner to start printing.




### 6.2.2. For Apple IOS Devices (iPad, iPhone, etc)

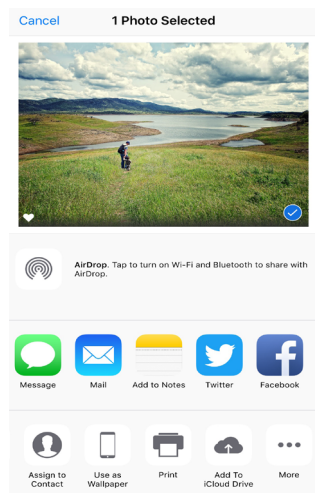
1. Turn on the printer.
2. Launch the Wi-Fi in the mobile device, connect it with the Wi-Fi hotspot of printer .

When you select the printer hotspot, please tap Menu Button on the printer to be used, select Information Report and select Print Wi-Fi Configuration. Then, the printer will print out Wi-Fi Configuration Information Page. View the hotspot name of SSID in Wi-Fi Configuration Information Page, and connect to the appropriate hotspot with your mobile phone.

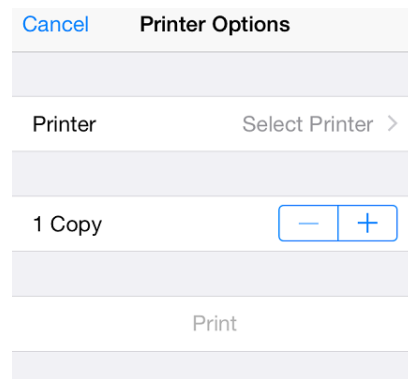
3. Select the file you need to print (for example, the folder "Picture").
4. Click on "Photos" icon (as is shown below) to open the folder "Photos".
5. Select pictures you need to print, the following interface pops up:



6. Click on “” icon on the bottom left corner, the following interface pops up:

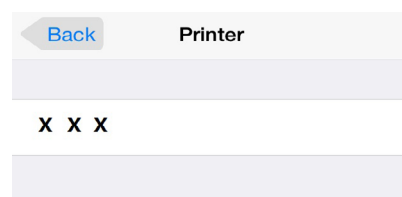


7. Click on “Print” on the bottom left corner, the following interface pops up:



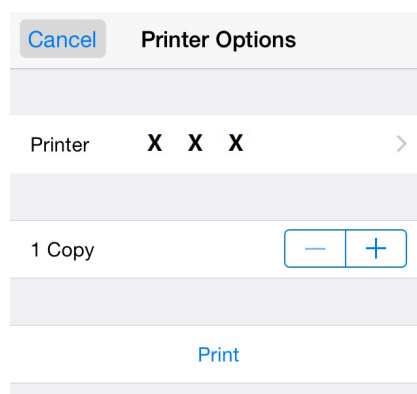
The dialog box titled "Printer Options" has a "Cancel" button in the top left. Below the title bar, there is a section for printer selection with the label "Printer" and a "Select Printer >" button. Underneath is a section for the number of copies, showing "1 Copy" and two buttons: a minus sign in a box and a plus sign in a box. At the bottom of the dialog is a "Print" button.

8. Click on “Select Printer” to select the corresponding printer.



The dialog box titled "Printer" has a "Back" button in the top left. Below the title bar, there is a section for printer selection with the label "Printer" and a "Select Printer >" button. Underneath is a section for the number of copies, showing "1 Copy" and two buttons: a minus sign in a box and a plus sign in a box. At the bottom of the dialog is a "Print" button.

9. Select the number of copies.



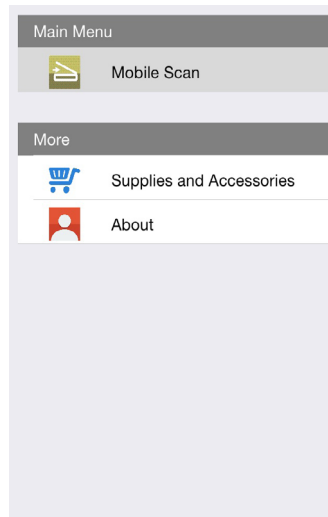
The dialog box titled "Printer Options" has a "Cancel" button in the top left. Below the title bar, there is a section for printer selection with the label "Printer" and a "Select Printer >" button. Underneath is a section for the number of copies, showing "1 Copy" and two buttons: a minus sign in a box and a plus sign in a box. At the bottom of the dialog is a "Print" button.

10. Click on “Print” to start printing.

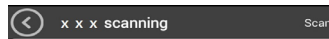
## 6.3. Operation Steps for Mobile Scan

### 6.3.1. For Android Devices

1. Turn on the printer.
2. Launch the Wi-Fi in the mobile device, connect it with the Wi-Fi hotspot of printer.
3. Launch Mobile Print App to enter into home page.



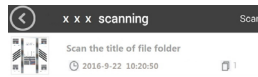
4. Click on "Mobile scanning", the Scan List displays.







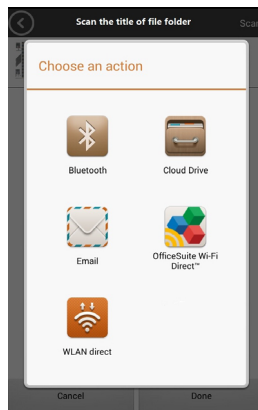
**Note:** Click on the document in the list to enter into the Operation interface, select “Print” or “Share” and the specific operations are as follows:



1) Click on “Print” to print document:



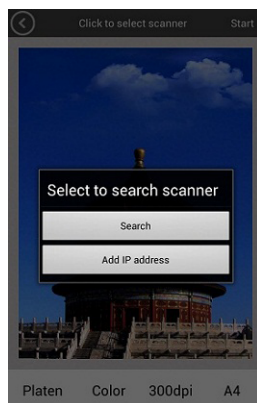
2) Click on “Share” to share the application:



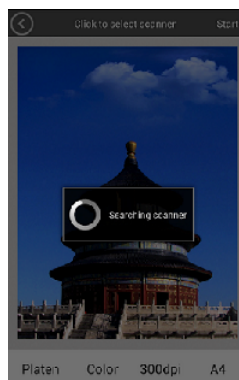
5. Click on “Scan” on the top right corner, enter into Scan interface.



6. Click on “Click to select scanner” at the top of the interface, select a scanner, the following interface pops up:



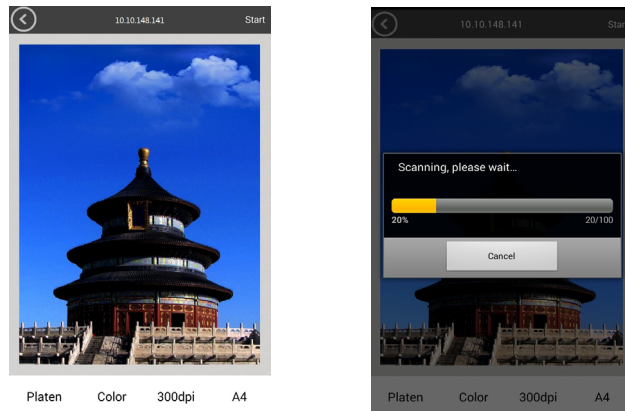
7. Click on “Search”, the page displays “Searching scanner”, Click on “OK” after completing searching.



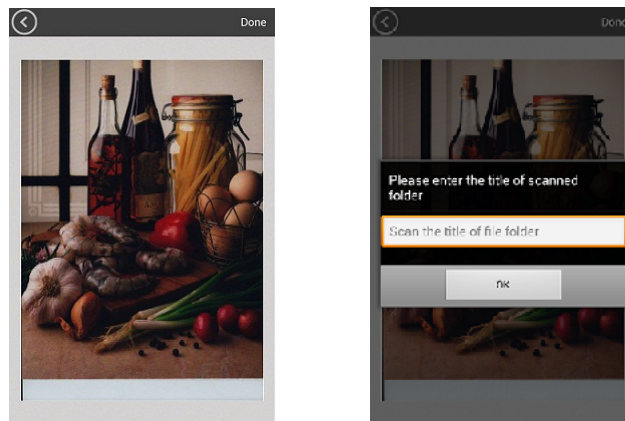
8. Click on “Add IP Address”, the following interface pops up, input the IP address, then click OK.



9. Set the scan parameters below the interface. Click “Start” on the top right corner to start printing.



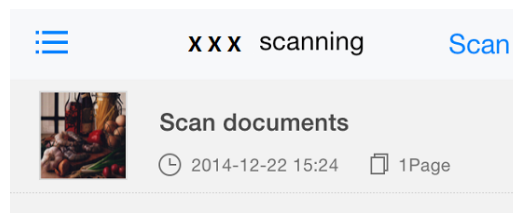
10. After the scan is finished, click on “Done” on the top right corner, the following interface pops out to prompt to input the title of the document.



### 6.3.2. For Apple IOS Devices (iPad, iPhone, etc)

1. Turn on the printer.
2. Launch the Wi-Fi in the mobile device, connect it with the Wi-Fi hotspot of printer.
3. Launch the Scan APP icon, enter into the following interface:

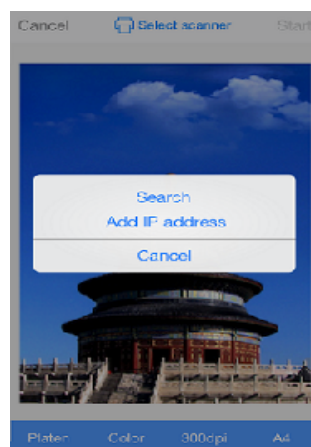
4. Click on “ Mobile scan”, enter into the following interface:



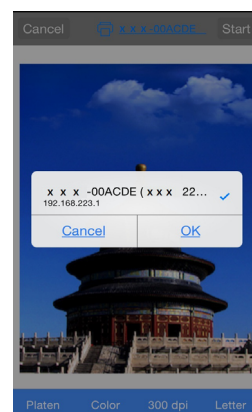
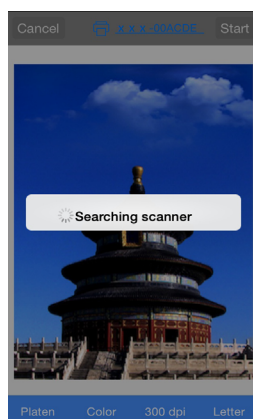
5. Click on “Scan” on the top right corner, enter into Scan interface:



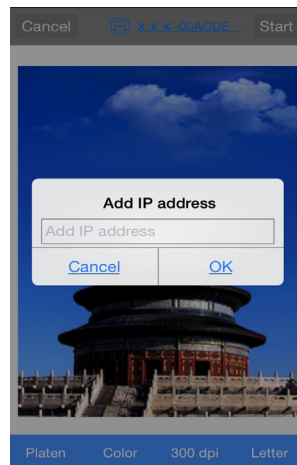
6. Click on “Select scanner”, the following window pops up:



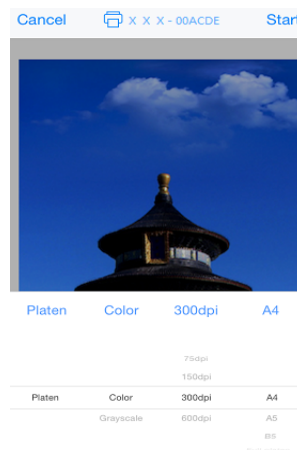
7. Click on “Search”, the page displays “Searching scanner”, the interface is as shown below and click on “OK” after completing searching.



8. Click on “Add IP Address” in the middle of the navigation bar, the following interface pops up:



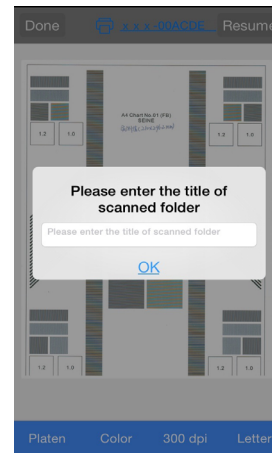
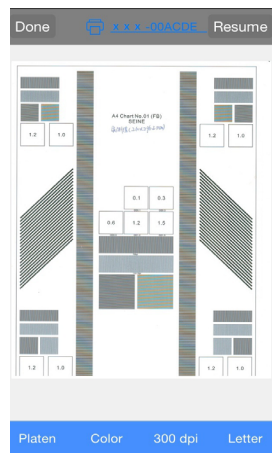
9. Click on Scan Parameters at the bottom of the page, the following parameters setting panel pops up:



10. Click on “Start” on the top right corner, start scanning.



11. After the scan is finished, if you still need to scan, click on “Resume” on the top right corner; if not, click “Done” on the top left corner, the following interface pops up to prompt to input the title of the document.



---

# General Settings

# 7

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- 7. General Settings.....2
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    - 7.1.1. Toner Save Setting.....2
    - 7.1.2. Language Setting .....2
    - 7.1.3. Restore to Factory Settings .....2
    - 7.1.4. Sleep Time Setting.....3
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## 7. General Settings

This chapter mainly introduces some general settings of the control panel's menu.

### 7.1. System Settings

#### 7.1.1. Toner Save Setting

Users can select Toner Save Setting to lower the cost of printing. When the Toner Save mode is "On", the output color of the copy will be lighter. Default Setting is "Off".

- 1) Press "Menu" button to enter the menu interface.
- 2) Press direction pad "▲" or "▼" to select "System Settings" and press "OK" button.
- 3) Press direction pad "▲" or "▼" to select "Toner Save Setting" option and press "OK" button.
- 4) Press direction pad "▲" or "▼" to select "1. Close" and press "OK" button. When symbol "\*" appears after "1. Close", it indicates that the toner save setting is off; or press direction pad "▲" or "▼" to select "2. Open" and press "OK" button. When symbol "\*" appears after "2. Open", it indicates that the toner save setting is on.
- 5) Press "Menu" button to exit the menu interface, or select the "Back" which is the last item of each menu, and press "Menu" button to exit the menu interface step by step.

#### 7.1.2. Language Setting

"Language Setting" is used to select the language to be displayed on the control panel . The default language is Chinese.

- 1) Press "Menu" button to enter the menu interface.
- 2) Press direction pad "▲" or "▼" to select "System Settings" and press "OK" button.
- 3) Press direction pad "▲" or "▼" to select "Language Setting" and press "OK" button.



---

**Note:** • Product's actual region determines the Language Setting.

---

#### 7.1.3. Restore to Factory Settings

"Restore Factory Settings" is used to restore the default settings of the printer.

- 1) Press "Menu" button to enter the menu interface.
- 2) Press direction pad "▲" or "▼" to select "System Settings" and press "OK" button.
3. Press direction pad "▲" or "▼" to select "Restore to Factory Settings" option and press "OK" button.



#### 7.1.4. Sleep Time Setting

Set the Sleep Time Mode to lower the power consumption. "Sleep Time Setting" allows users to select the idle time before the device enter into Sleep Mode. The default idle time is 1 minutes.

- 1) Press "Menu" button to enter the menu interface.
- 2) Press direction pad "▲" or "▼" to select "System Settings" and press "OK" button.
- 3) Press direction pad "▲" or "▼" to select "Sleep Time Setting" and press OK button.
- 4) The direction pad "▲" or "▼" can be used to select "1 Minute", "5 Minutes", "15 Minutes", "30 Minutes", and "60 Minutes".



---

**Note:** • When the printer is in dormant status, it can be woken up only by pressing Power Saving button or sending print/scan task.

---

#### 7.1.5. Network Settings

Users can set the network status through Network Settings.

- 1) Press "Menu" button to enter the menu interface.
- 2) Press direction pad "▲" or "▼" to select "System Settings" and press "OK" button.
- 3) Press direction pad "▲" or "▼" to select "Network Settings" option and press "OK" button.
- 4) Press direction pad "▲" or "▼" to select "1. Wired config." and press "OK" button; Press direction pad "▲" or "▼" to select "1. IPv4" or "2. IPv6".
- 5) Press direction pad "▲" or "▼" to select "2. Wireless Network Settings" and press "OK" button; Press direction pad "▲" or "▼" to select "1. WPS PIN Mode".

#### 7.1.6. Network Information

Users can check the network status through Network Information.

- 1) Press "Menu" button to enter the menu interface.
- 2) Press direction pad "▲" or "▼" to select "System Settings" and press "OK" button.
- 3) Press direction pad "▲" or "▼" to select "Network Information" option and press "OK" button.
- 4) Press direction pad "▲" or "▼" to select "1. TCP/IP", "2. Wi-Fi Information".
- 5) Select "1. TCP/IP" option and press "OK" button, press direction pad "▲" or "▼" to select "1. IP Address", "2. Subnet mask" and "3. Gateway".
- 6) Select "2. Wi-Fi Information" option and press "OK" button, press direction pad "▲" or "▼" to select "1. MAC Address", "2. Wi-Fi Status", "3. Wi-Fi Channel" or "4. SSID Information" (The display of SSID Information only supports English letters and numbers).

---

# Print

# 8

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8.1. Print Function..... 2

8.2. Open Help Document ..... 3

8.3. Duplex Print ..... 4

8.4. Cancel Print Job ..... 7

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# 8. Print

## 8.1. Print Function

You can set the print function through "Start"->"Device and Printer"- select corresponding printer- right click – set print function in "Print Preferences". Some functions are as follows:

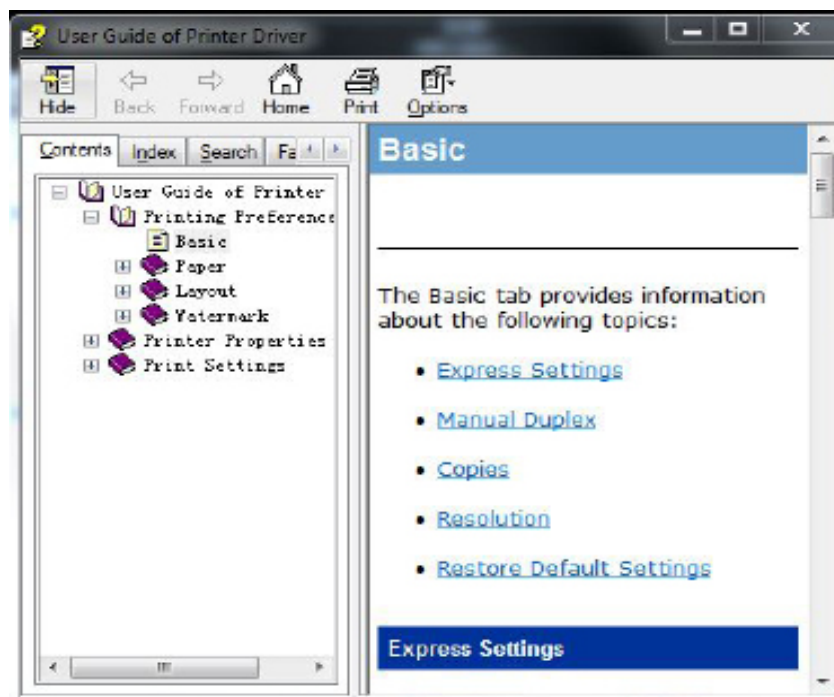
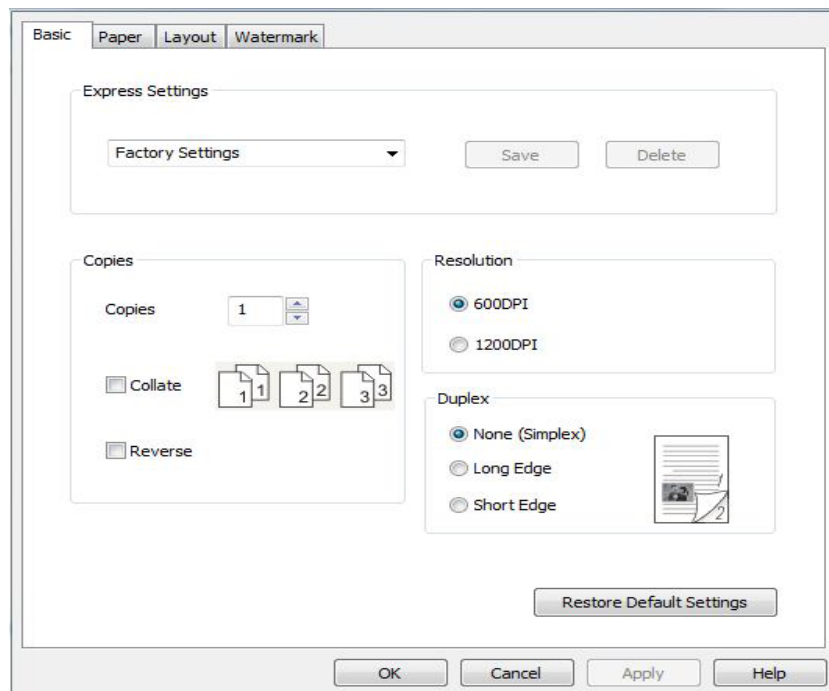
Functions	Diagram
Manual Duplex	
Collate Print	
Reverse Print	
N-in-1	
Poster Print (for Windows Operation System only)	
Zoom Print	
Custom Size	



- Note:**
- You can select the 2 x 2 Poster printing from Layout options in the settings interface to use the poster printing function.
  - You can open the Printing Preferences and click Help button to check the specific function explanation. For information about how to open the help document, see Chapter 8.2.

## 8.2. Open Help Document

You can open the "Printing Preferences" and click "Help" button (for Windows Operation System only). The help document contains the user guide where you can find the information on print settings.



### 8.3. Duplex Print

1) The printer driver supports manual duplex.



- Note:**
- If the paper is thin, it may wrinkle.
  - If the paper is curled, make it flat and put it back into the manual feeder tray.
  - If the manual duplex function causes a paper jam, see Chapter 12.1 for handling it.

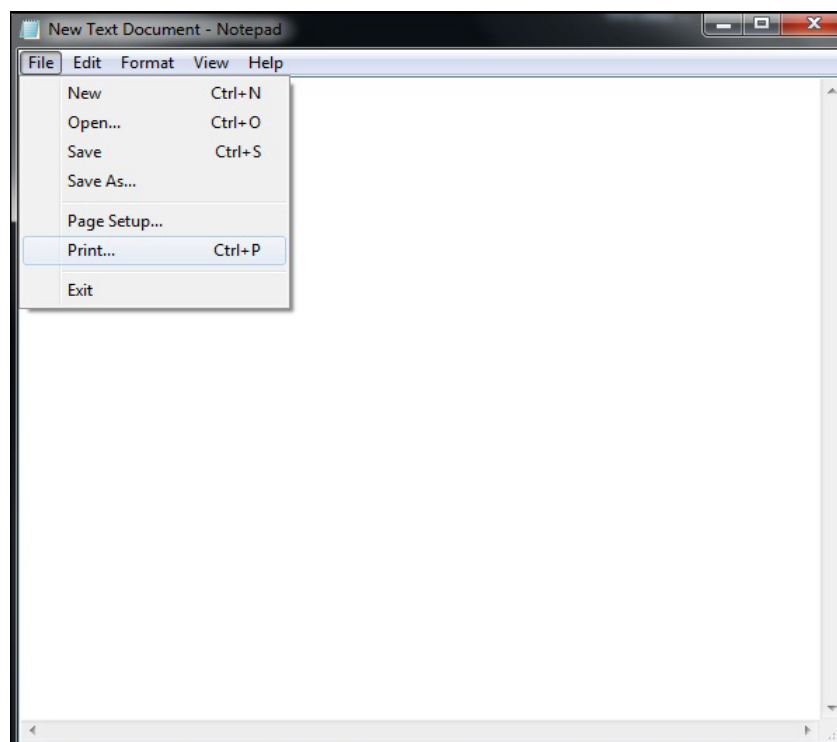
2) Ensure that certain amount of paper is loaded into the automatic feeder tray before printing.



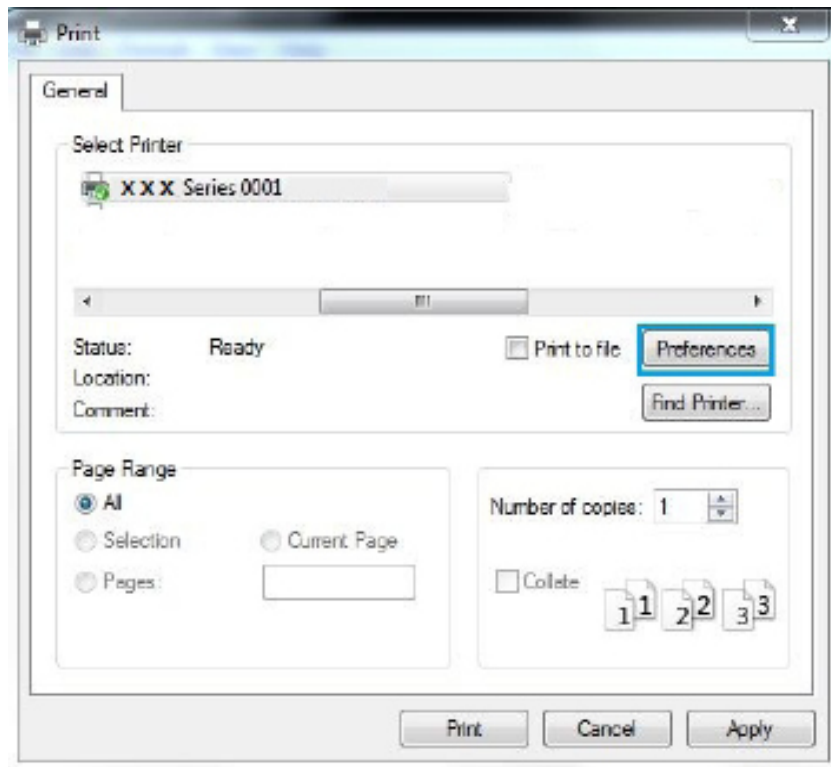
- Note:**
- For loading paper, see Chapter 2.3.
  - For the media types that support printing, see Chapter 2.1. It is recommended to use the standard paper.
  - Some paper media are not suitable for the duplex printing. Trying the duplex printing may damage the printer. When "Paper Type" is "Thick Paper" or "Transparent Film", please do not try "Duplex Print". If you choose "Reversed Order" printing in Printing Preferences dialog box, Manual Duplex will not be supported when "2 x 2 Poster" printing.
  - Paper may get jammed or cannot be fed in when the automatic feeder tray is loaded with more than 150 sheets.

3) Printing steps are as follows (for Windows Operation System only) :

a) Open the document to be printed from the application (such as Notepad), and select "Print" from the "File" menu.

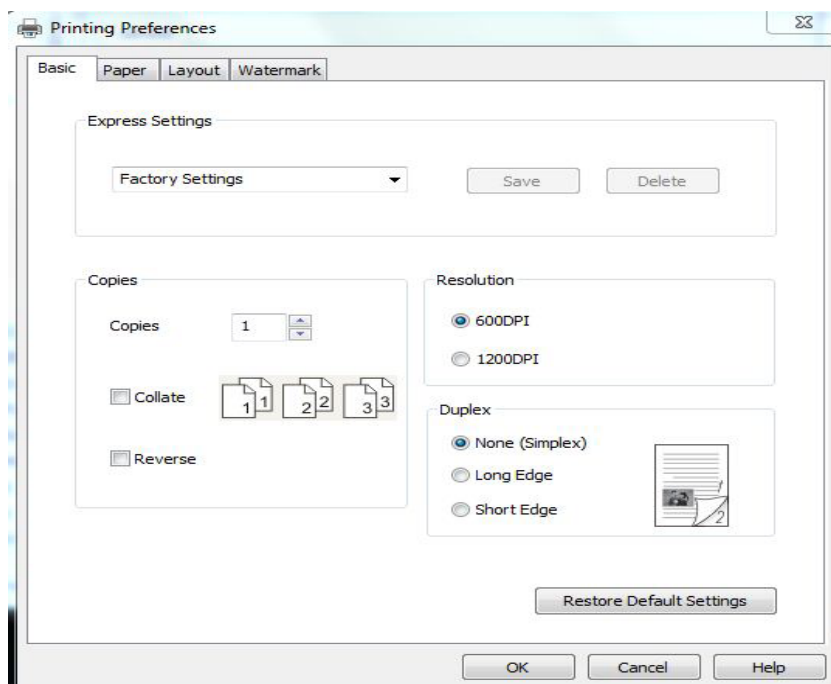


b) Select printer.

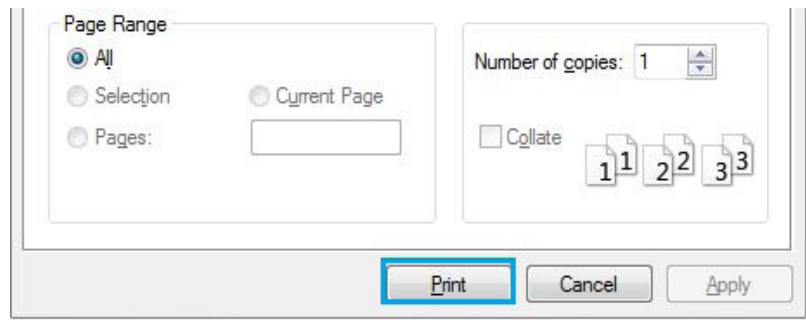


Click "Preferences" to set printing.

c) Set options in "Manual Duplex" of the "Basic" tab and click "OK" after completing the settings.

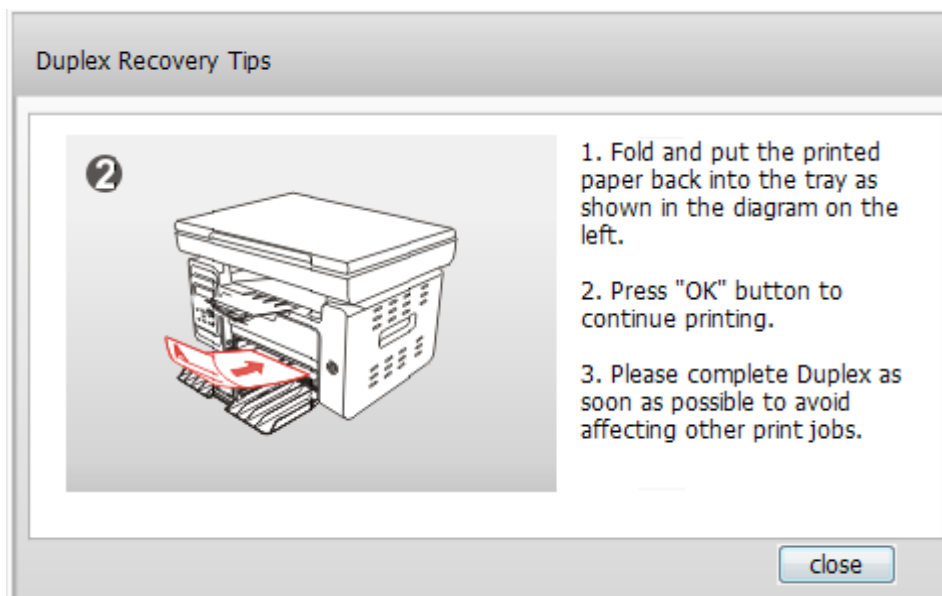
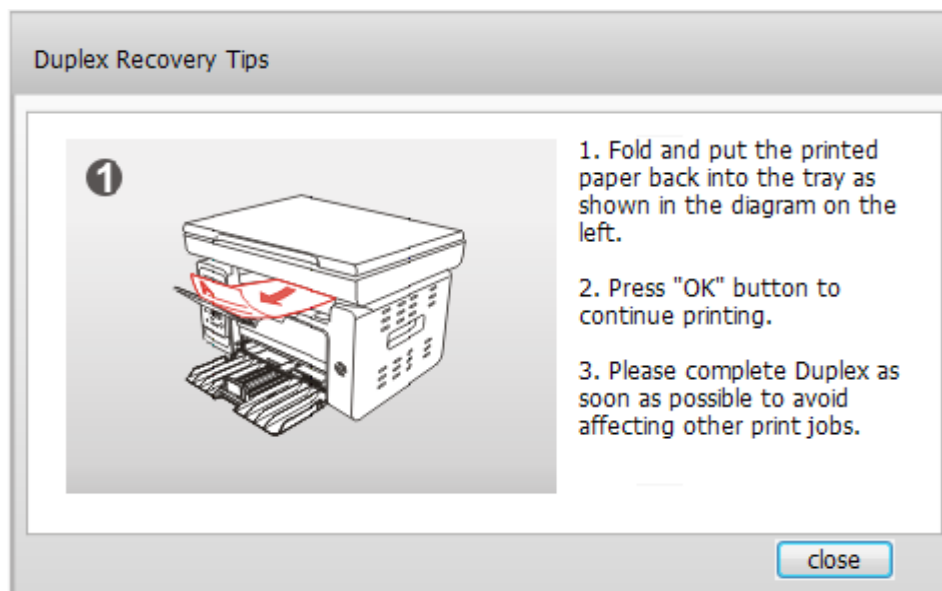


d) Click "Print".

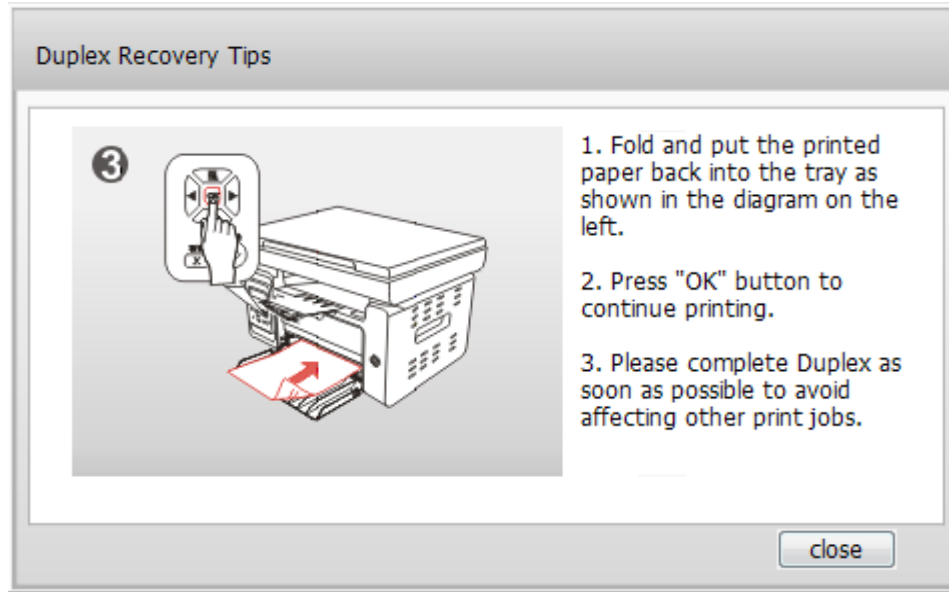


**Note:** • It is recommended to raise the output tray to prevent the paper from sliding out of it. If you choose not to raise the output tray, we recommend that you immediately remove the printed paper output from the printer.

e) Send the print task after choosing Manual Duplex, then the following prompt window will appear, telling you the next specific operations. Interfaces are different depending on the models.



f) After turning over the paper according to the prompt, press "OK" button of the printer to go on printing the other side.



g) You can click "Close" button to close this prompt window, and it will not appear until the next Manual Duplex job comes in.

#### **8.4. Cancel Print Job**

You can press the Cancel button on the control panel to cancel the print job you want to cancel during the printing process, or cancel the print job in the printing pool.



## 8.5. Mac System Print

### Operation Steps:

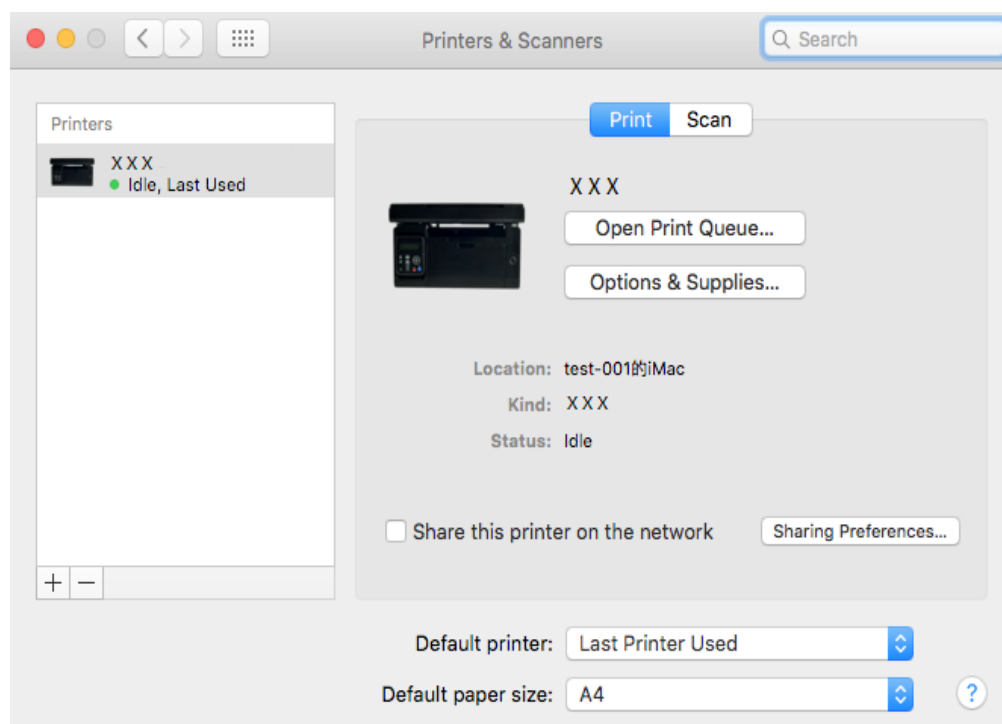
1. After installing the printer's driver, click on "System Preferences" on the bottom left corner.



2. After the window pops up, click on "Print and Scan".



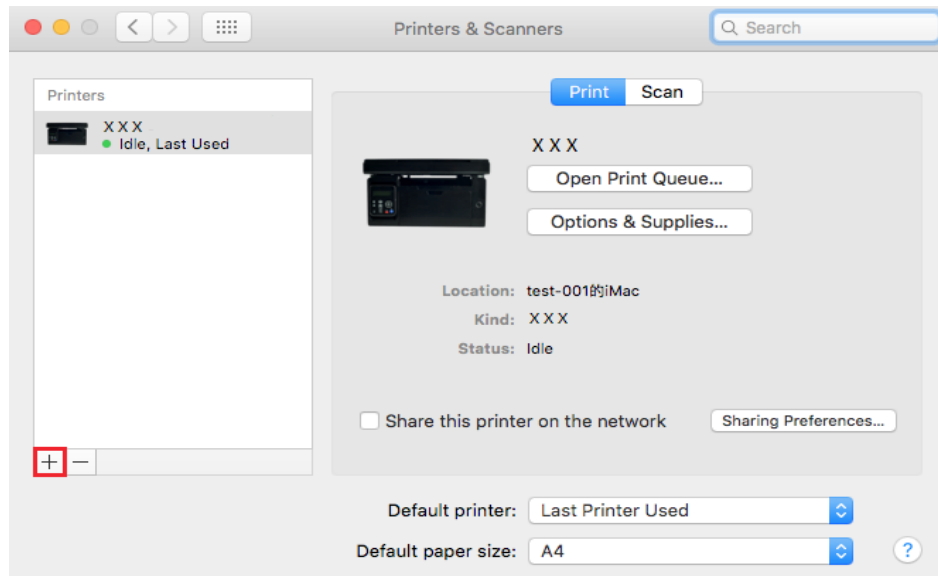
3. After the window pops up, select "Print".



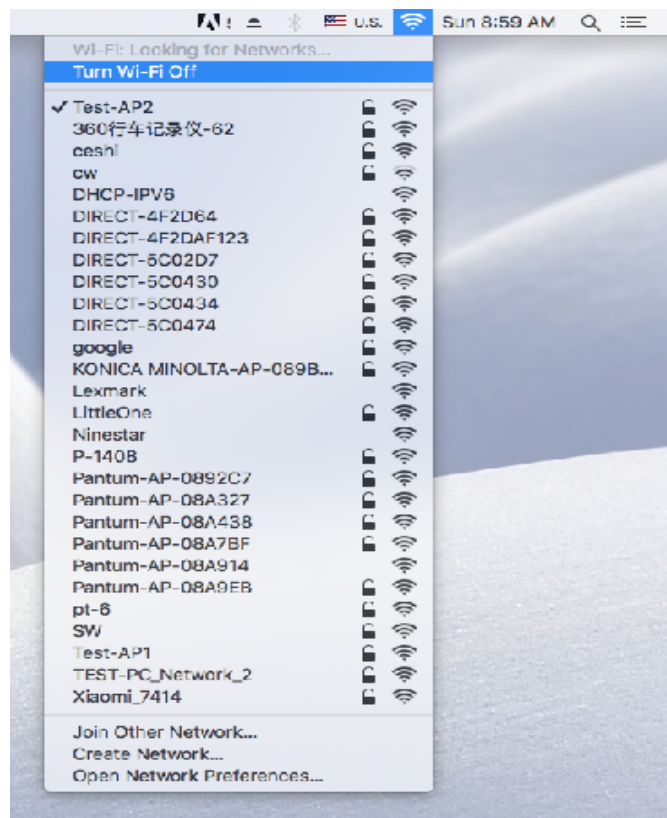
#### 4. Select printer

1) For USB Model printer: plug the USB cable, the corresponding printer will automatically show in the left list.

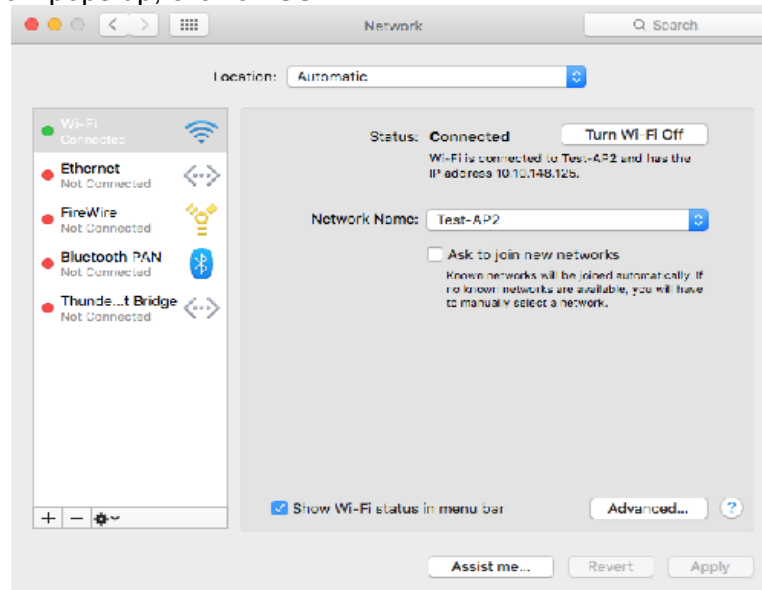
2) For NET Model printer: plug the network cable, click on symbol “+” at the bottom of the left list to add printer.



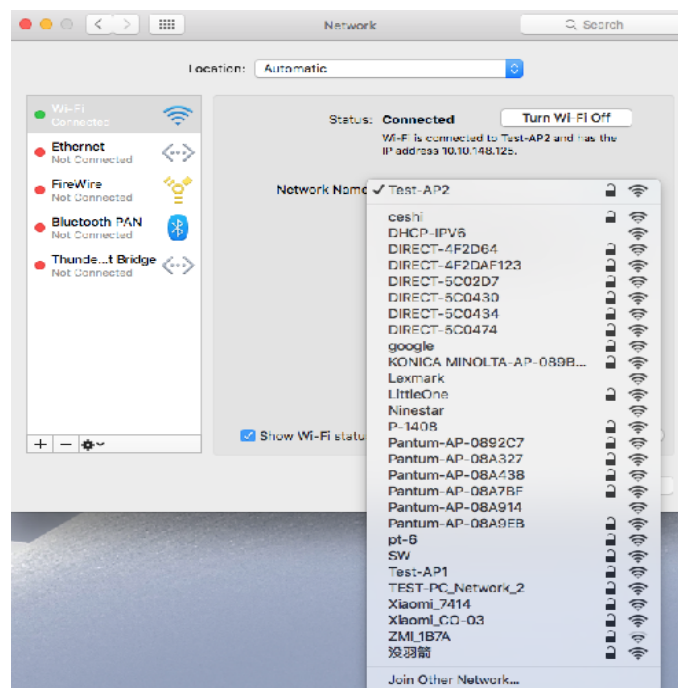
3) For Wi-Fi Model printer: select the Wi-Fi icon on the top right corner of the page, click on “Open Network Preferences” in the list.



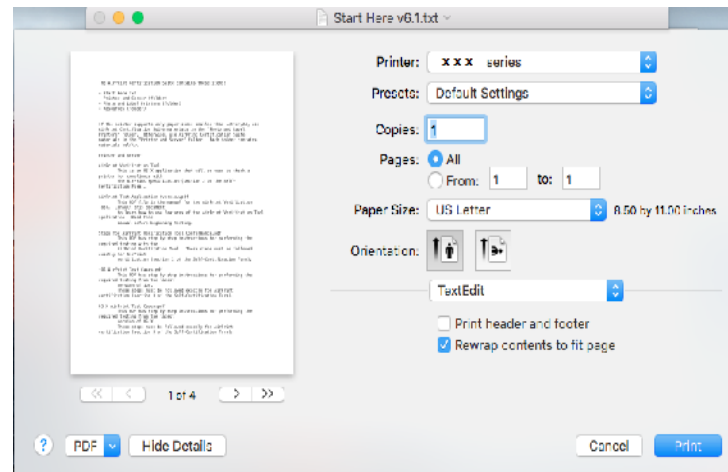
4) After the window pops up, click on SSID.



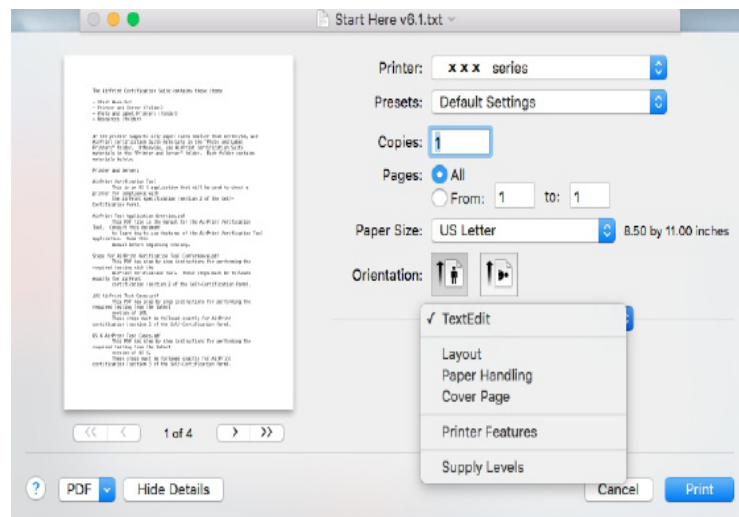
5) Select the corresponding SSID.



6) Open the document to be printed, click on “Document” – “Print”.



7) After the window pops up, set the printing parameters, and press the “Print” button on the top right corner.



---

# Copying

# 9

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## 9. Copying

### 9.1. Copying function

Copying function	
Common copying	Image quality
	Intensity
	Resizing
	Multipage
	Clone
	Poster
	Paper setting
ID card copying	Arrangement mode
	Intensity
	Paper setting
Receipt copying	Intensity
	Paper setting

### 9.2. Copying method

1. Press “copying” key/ “ID card copying” key/ “receipt copying” key on control panel.
2. Put the original document in automatic document feeder (ADF) (supporting common copying only) with right-side up or put it on glass platform with right-side down (for the method on how to put original document, see 2.5).
3. Set copying quantity with “direction” or “number” key according to types (99pieces at maximum).
4. Press “Startup” key for copying.

### 9.3. Copying cancel

Press “cancel” key on control panel if canceling copying.

### 9.4. Common copying setting

Change relevant setting with “ copying setting menu” for better copying effect.

1. Press “copying” key on control panel and then press “OK” key to enter “copying setting” interface;
2. Press “direction” key to select options and then press “OK” key to enter setting interface;
3. Press “direction” key to select option to be set and press “OK” key to set option.



**Note:** • The image quality, intensity, resizing and paper setting can keep valid after options are set.

- For multipage, clone and poster setting, set recovery mode as default setting after completing copying, switching panel key or restarting machine.

### 9.4.1. Image quality

Select corresponding image quality mode for original document used in order to improve copying effect.

There are 4 modes in total:


Automatic: default mode;

Text+ image: applicable to original text and image;

Image: applicable to original image;

Text: applicable to original text.

---

 **Note:** • The image quality mode supports automatic mode only after “poster” copy are set.

---

### 9.4.2. Intensity

Adjust deep-light copying effect by setting intensity.

Intensity includes “manual” and “automatic” adjustment.

Manual adjustment: light  dark 

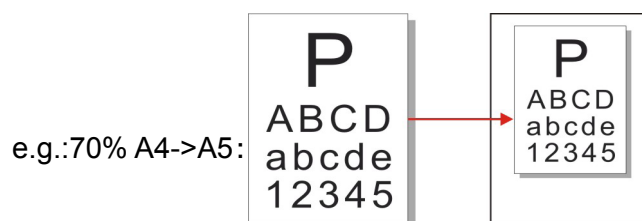
### 9.4.3. Resizing

When original document is copied, resize image copied.

The resizing includes “fixed” and “manual” adjustment and the default value is 100%.

1. Fixed resizing: 141% A5->A4、122% A5->B5、115% B5->A4、97% LTR->A4、

94% A4->LTR、86% A4->B5、81% B5->A5、70% A4->A5。

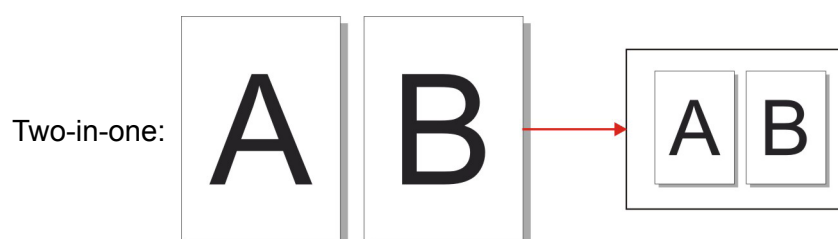


2. “Manual adjustment” applies to copying with glass platform only, the adjustment scope of which is 25%-400% and 5% can be adjusted each time after “direction” key is pressed once.

### 9.4.4. Multipage

2 or 4 pages of texts can be copied on one piece of paper with multipage setting.

The multipage includes 3 modes:



Horizontal four-in-one:



vertical four-in-one:

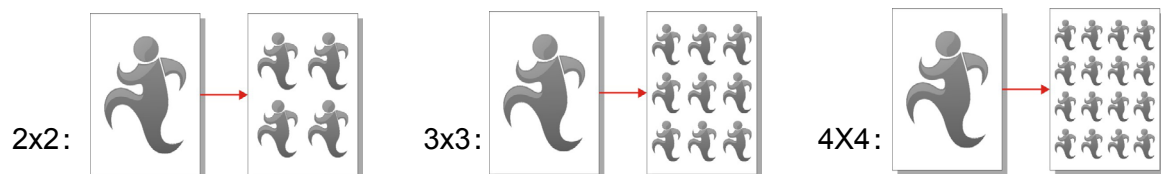


**Note:** • “Multipage and resizing function” cannot be set at the same time.

### 9.4.5.Clone

Clone setting enables the printing of many original images on one piece of paper.

The clone copying includes 3 modes:

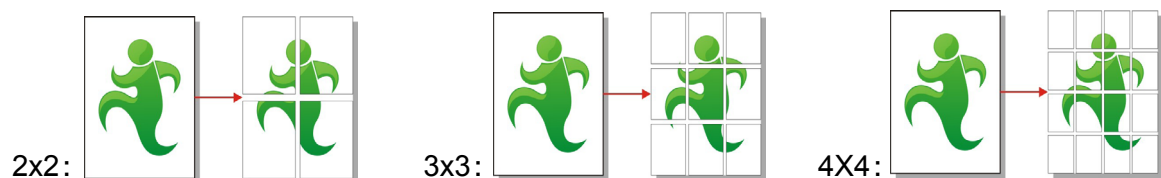


**Note:** • The “clone and resizing function” cannot be set at the same time.

### 9.4.6.Poster

Poster setting enables the printing of one piece of original document on several pieces of paper.

The poster copying includes 3 modes:



**Note:** • The “poster and resizing function” cannot be set at the same time.

### 9.4.7.Paper setting

By paper setting, you can set suitable paper dimension and type.

Paper dimension: A4, Letter, B5, A5, A6, Executive, Legal and Folio.

Paper type: common paper, thick paper, envelope paper, film paper, card paper, tagboard and thin paper.



**Note:** • After multipage and clone function are set, paper dimension supports A4 and Letter only.



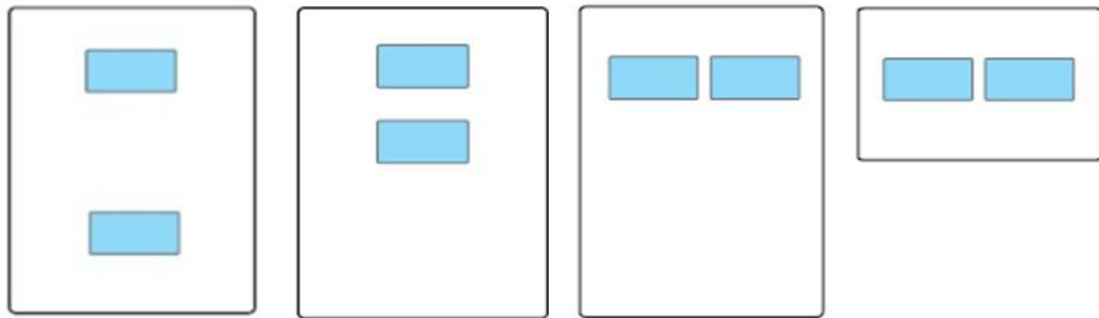
## 9.5. ID card copying setting

Change relevant setting with copying setting menu for better copying effect.

1. Press “ID card copying” key on control panel and then press “OK” key to enter copying setting interface.
2. Press “direction” key to select options and then press “OK” key to enter setting interface;
3. Press “direction” key to select option to be set and press “OK” key to set option.

### 9.5.1. Arrangement mode

There are 4 arrange modes for ID card copying totally:

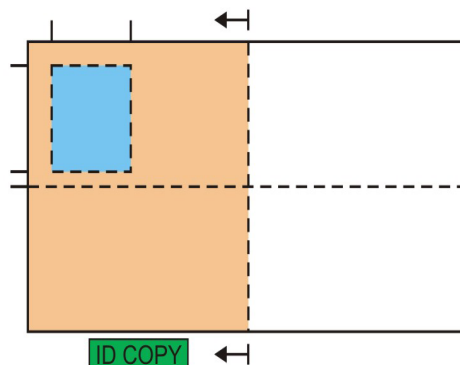


Whole page up-down   Half page up-down   Half page left-right   Long side of A5 paper

Position:

Half page up-down: default mode; put ID card at orange left half area of glass platform.

Half-page up-down, half page left-right or long side of A5 paper: put ID card at blue area of glass platform.



**Note:** • After setting, the arrangement mode can keep valid before startup; after startup, the arrangement mode will recover to default setting.

### 9.5.2. Intensity

For intensity setting, see 9.4.2.

### 9.5.3. Paper setting

ID card copying supports A4 and Letter paper dimension.

## **9.6. Receipt setting**

Change relevant setting with copying setting menu for better copying effect.

- 1.Press “receipt copying” key on control panel and then press “OK” key to enter copying setting interface.
- 2.Press “direction” key to select options and then press “OK” key to enter setting interface;
- 3.Press “direction” key to select option to be set and press “OK” key to set option.

### **9.6.1.Intensity**

For intensity setting, see 9.4.2.

### **9.6.2.Paper setting**

The receipt copying supports A4, Letter, B5, A5, A6 and Executive paper dimension.

---

# Scan

# 10

## Chapter

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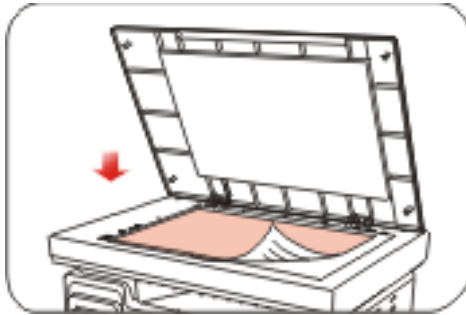
## 10. Scan

This printer provides two types of scan: "Push Scan", which means scanning through the printer's Control Panel operations; "Pull Scan" which means scanning through PC terminal scanning the application.

### 10.1. Push Scan

This section introduces how to scan documents to the PC (only through USB cable connection) with control panel of the printer. The specific operation steps are as follows:

- 1) Put the document face down on the glass platen.



---

**Note:** • During copying, please do not open the cover to avoid any adverse impact on the image quality.

- For the information on "Steps of Using Paper and Manuscript", please refer to Chapter 2.5.

---

- 2) Press Scan on the Control Panel and press direction pad "▲" or "▼" to select "Single Page Scan" or "Merge Scan" to enter into the Scan mode.



---

**Note:** • For the information on "Single Page Scan" and "Merge Scan", please refer to 10.1.1 and 10.1.2.

---

- 3) Press "Start" button to start scanning.



---

**Note:** • Formats of scanned attachments: network scan supports PDF, TIFF and JPEG formats. Users can select the Save As Type on the panel for the scanned documents.

---

#### 10.1.1. Single Page Scan

The default scan mode of control panel is Single Page Scan mode.

For the specific steps of scan operation, please refer to Chapter 10.1.

### 10.1.2. Merge Scan

When you want to merge multi-page scanned documents into one PDF, please use Merge Scan function.



- 
- Note:** • The Merge Scan allow the document to be scanned into the PDF format by default.
- This printer can perform Merge Scan operation only on the control panel.
- 

The specific operations are as follows:

1. Press "Scan" button to enter scan status. The default scan mode of control panel is Single Page.
2. Press "▲" or "▼" button to select and enter "Merge Scan" mode.
3. Press "Start" button and the Scan Process Bar Interface will pop up on the computer.
4. After completing scanning the first page, the contents as shown below will appear on the control panel:

Press "Start" button - scan the next page

Press "OK" button- end the scanning

5. Put the document to be scanned on the glass platen and you press "Start" button to continue to scan the second page.
6. Repeat the operation as described in the step 5 to scan multi-pages till you press "OK" button to end this operation.
7. After completing the operation, the application will save PDF document to the specified folder.

### 10.1.3. Other Scan Functions

#### 1. Scan to E-mail

Users can scan monochrome or color documents as attachments to E-mail application. Operation steps as follows:

- ① Type the IP address in the Web browser's address bar to access the embedded Web server of the printer.
- ② Click on "Setting"—"SMTP" to set the relative parameters of the SMTP Protocol; After finishing setting, click on "Apply" to save.

The screenshot shows the printer's web interface with the 'Setting' tab selected. On the left, a sidebar lists various settings categories: Network settings, Protocol Settings (with sub-items IPv4, RAW/LPD, SNMP, **SMTP**, Bonjour, IPv6, WSD, FTP), Wireless Settings, and Machinery settings. The main content area is titled 'SMTP' and contains the following fields:

- Simple Mail Transfer Protocol :**
  - SMTP Server: [Text input field]
  - Port No.: [Text input field with value 25]
- SMTP Login Information :**
  - Login Name: [Text input field]
  - Password: [Text input field]
  - Password Confirmation: [Text input field]

At the bottom of the page, there are three buttons: 'Apply', 'Cancel', and 'Test Mailbox'.

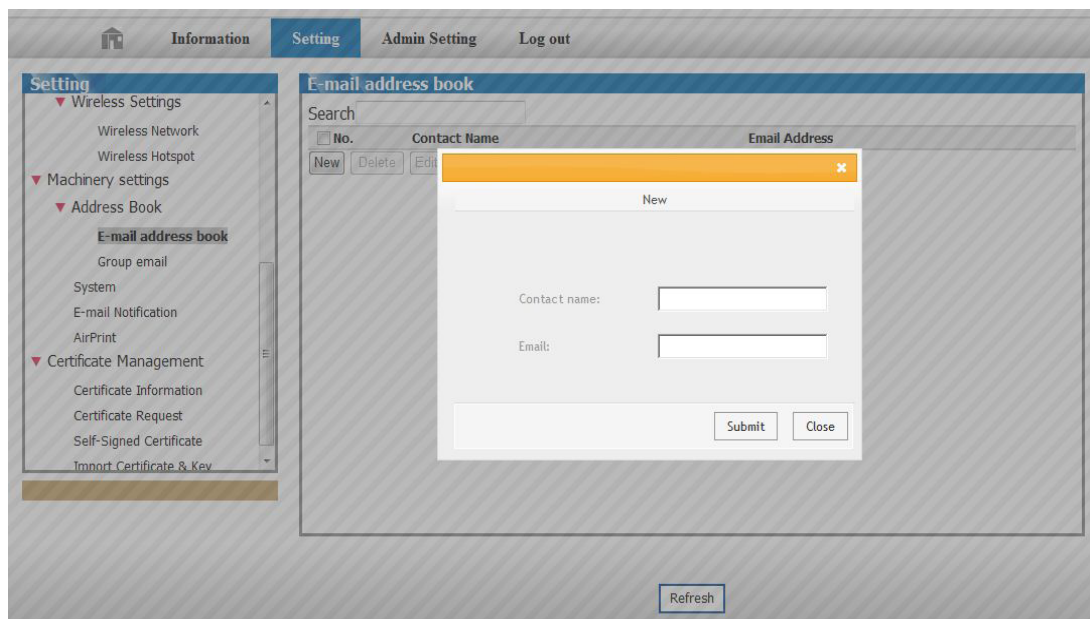
- ③ Click on "E-mail Address Book" in the left setting column to enter into the settings interface of the email.

The screenshot shows the printer's web interface with the 'Setting' tab selected. On the left, the sidebar lists settings categories, and under 'Machinery settings' > 'Address Book', the 'E-mail address book' option is highlighted. The main content area is titled 'E-mail address book' and includes:

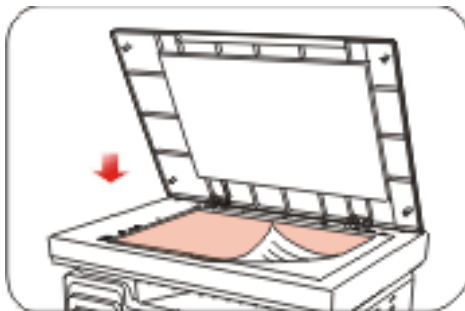
- A search bar at the top.
- A table with columns: ☐ No., Contact Name, and Email Address.
- Buttons for 'New', 'Delete', and 'Edit' below the table.

At the bottom of the page, there is a 'Refresh' button.

- ④ Click on "New" and the following window will pop up, edit the name of contacts ,input the E-mail address and then click on "Submit".



- ⑤ Put the document on the platen.



- ⑥ Press "Scan" button on the control panel, and press "▲" or "▼" to select "1. Single Page Scan" or "2. Merge Scan", then press "OK" button.
- ⑦ In the "1. Scan To" interface, press "OK" button.
- ⑧ Press "▲" or "▼" to select "Scan to E-mail" and press "OK" button.
- ⑨ Press "▲" or "▼" to select "E-mail Address Book" or "Group Mail" and press "OK" button.
- ⑩ Press "▲" or "▼" to select address or group and then press "OK" button; press "Start" button to start scan.

The device start scanning document and creating document attachment, then it launches E-mail application and displays the new message of Ready to Send.

Please follow these instructions on the settings for group emails.

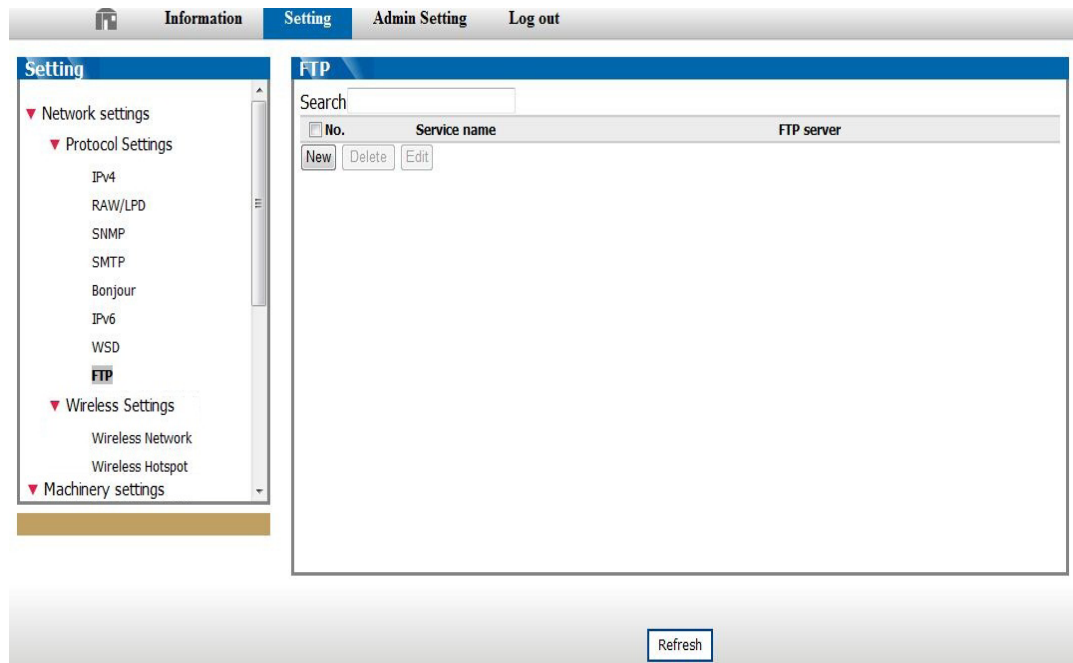
Set the group name for group e-mail sending by webpage, and set the members, i.e.the receivers, in the group of group email. After finishing scanning, firmware will send the scanned documents to the mail server. Then mail server sends the documents to every member of the group.

## 2. Scan to FTP

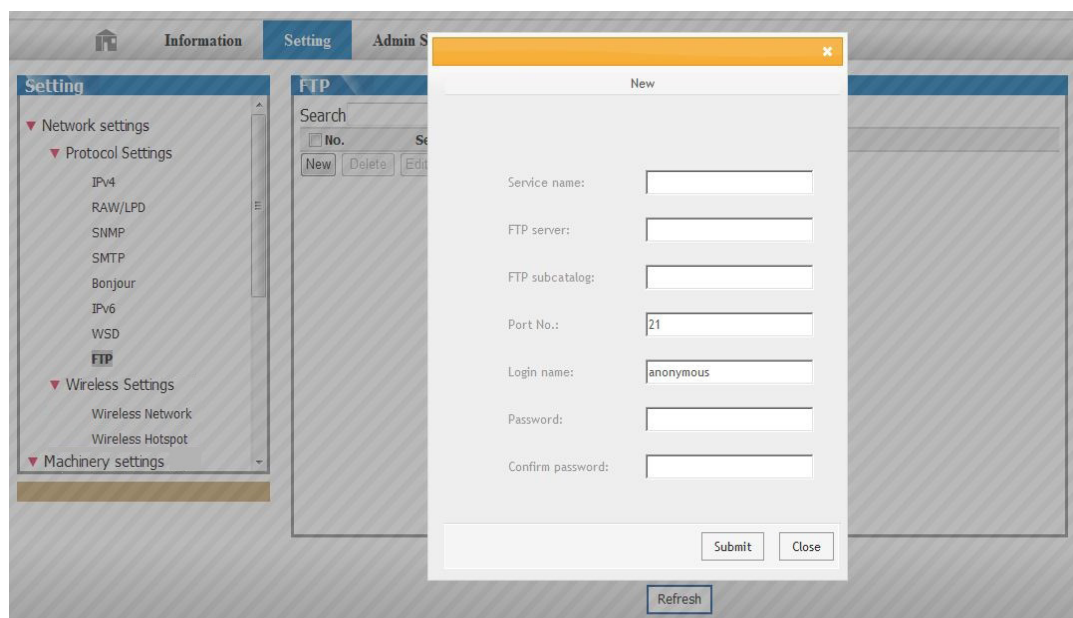
Scanning to FTP requires a network environment. Users can scan comparatively large files online. Users need to log in FTP server with user name and password and install IIS Component on the computer.

## 1) Operation Steps:

- ① Type the IP address in the Web browser's address bar to access the embedded Web server of the printer.
- ② Click on "Setting" – "FTP" to enter into FTP Setting interface.

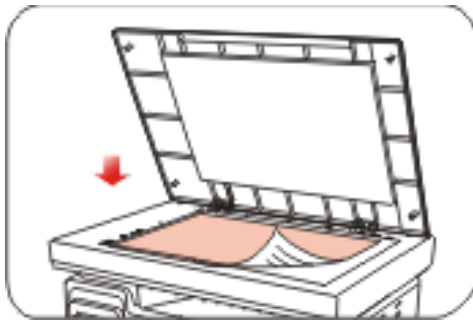


- ③ Click "New", the following window will pop up. Set the relative parameters of the FTP Protocol. After complete setting, click on "Submit".





- ④ Put the document on the platen.



- ⑤ Press "Scan" button on the control panel, press "▲" or "▼" to select "1. Single Page Scan" or "2. Merge Scan" and press "OK" button.
- ⑥ In the "1. Scan To" interface, press "OK" button.
- ⑦ Press "▲" or "▼" to select "Scan to FTP" and press "OK" button.
- ⑧ Press "▲" or "▼" to select the server and press "OK" button; Press "Start" button to start scan.



---

**Note:** The relative parameters setting of the FTP Protocol are as follows:

FTP Transfer Protocol:

FTP Server: IP Address of the server (such as 10.10.145.100 )

Port Number: Default port number is 21

Login Name: For example, anonymous

Password: such as (anonymous login needs no password)

Confirm Password: For example (anonymous login needs no password)

Server Name: For example, X X X

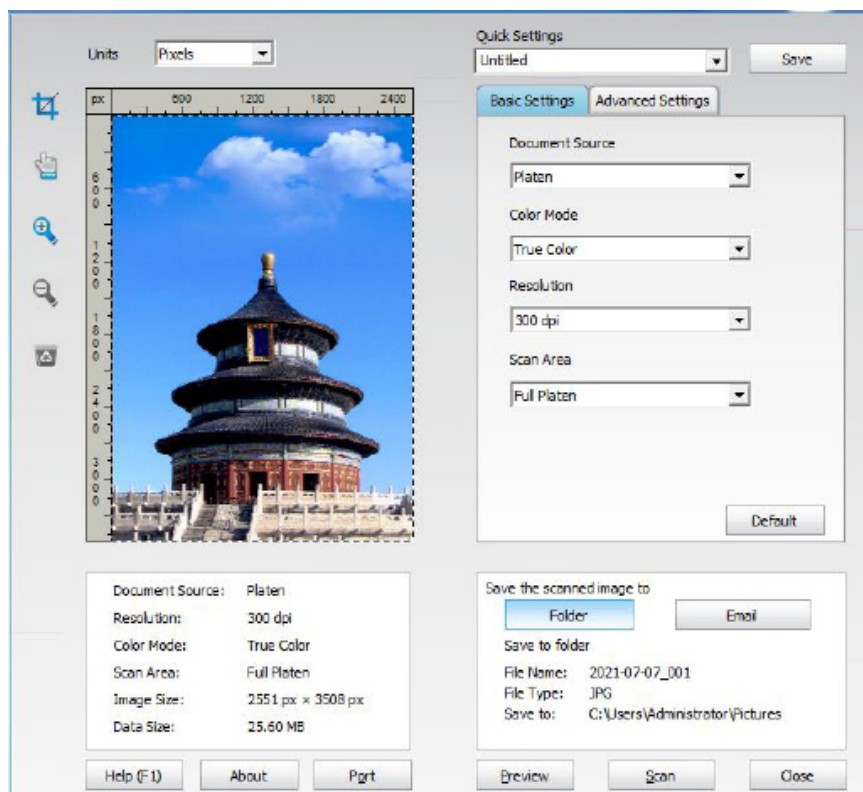
---

## 10.2. Pull Scan

### 10.2.1. Scan Application

Operation Steps:

- 1) Double click on "Konica Minolta Scan Application" on the computer, the icon is shown as below:
- 2) The prompt window is shown as below:



- 3) Set Scan in the right list. Click "Scan" on the bottom right corner and start scan.

**Note:** Konica Minolta scan application software can scan pictures and support 5 formats of files: BMP, JPG, TIF, PDF, and PNG.

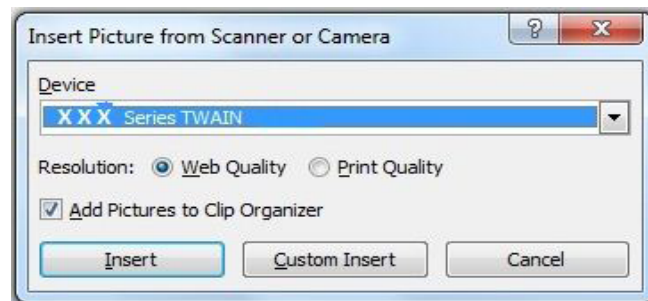
This product complies with the TWAIN and Windows Image Application (WIA) standard. If using the application which supports TWAIN and WIA standard, users can use the scan function and directly scan the images to the open application. The handbook requires Office Software (Word and Excel) and Photoshop ,for example, to show the operation.

## 10.2.2. TWAIN Scan Driver

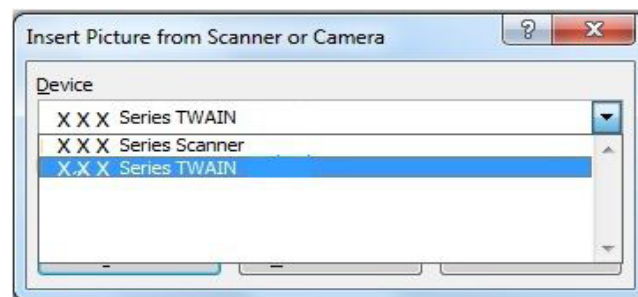
### 10.2.2.1. Office Software (Word and Excel)

Operation Steps:

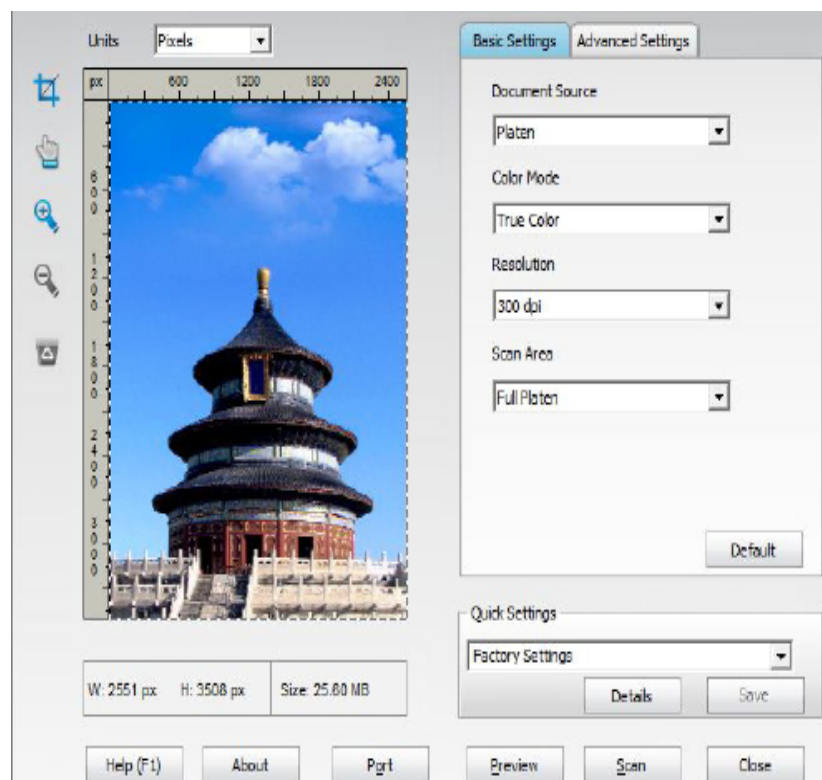
1) Keyboard shortcuts: Alt+I+P+S to open the application's window.



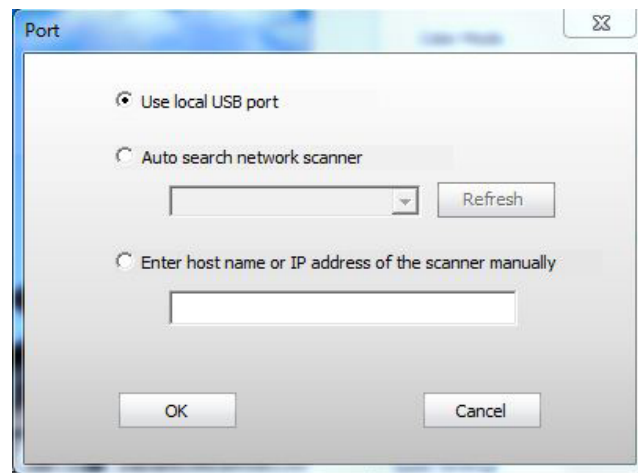
2) Click on "Device" option and select TWAIN Scan, click the "Custom Insert" button below.



3) After the window pops up, set the scan information in the right list of "Basic Setting" and "Advanced Setting". Click on "Scan" and start scan.



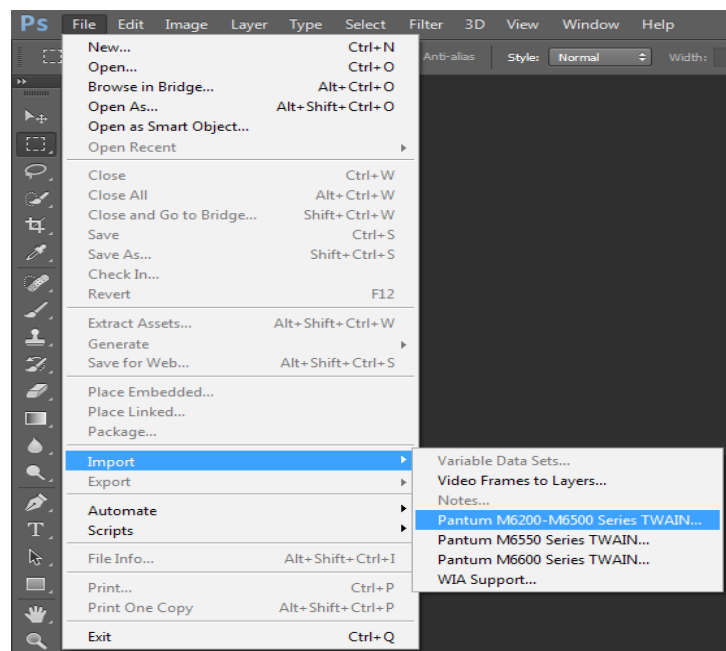
Note: Click on the "Port" below to select the scan port, which is shown as below:



### 10.2.2.2. Photoshop

Operation Steps:

1) Launch Photoshop, click on "File" – "Import" on the top left corner, select TWAIN Scan, as is shown below:



2) After the window pops up, please refer to Step 3 of 10.2.2.1. to see the specific operation steps.

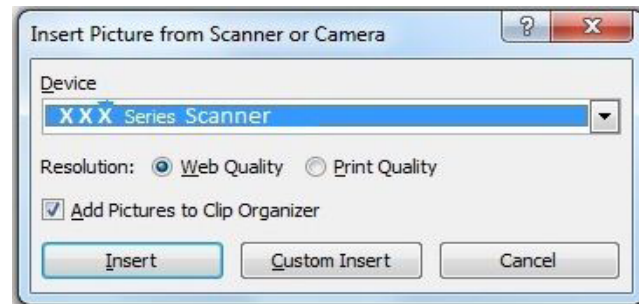
## 10.2.3. WIA Scan Driver

### 10.2.3.1. WIA1.0 Scan (Windows XP / Windows Server 2003)

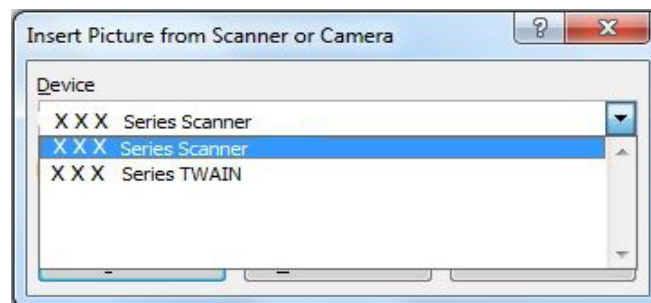
1. Office Software (Word and Excel)

Operation Steps:

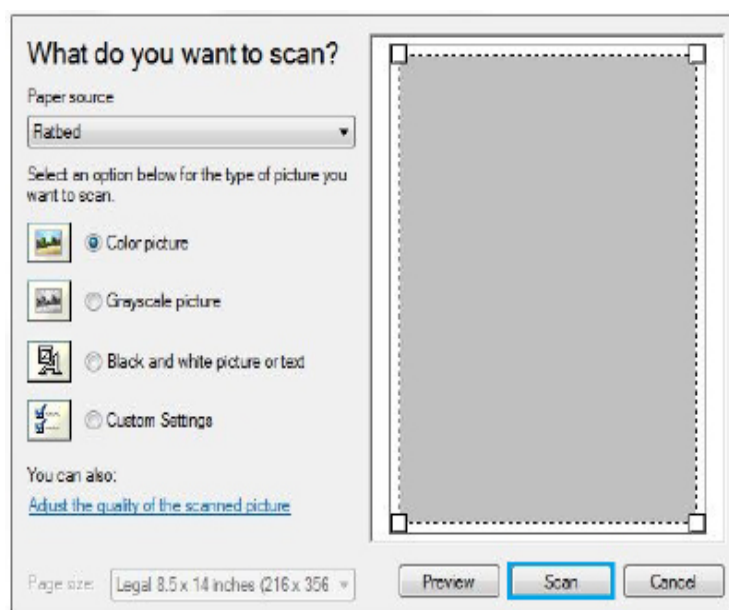
1) Keyboard shortcuts: Alt+I+P+S to open the application's window.



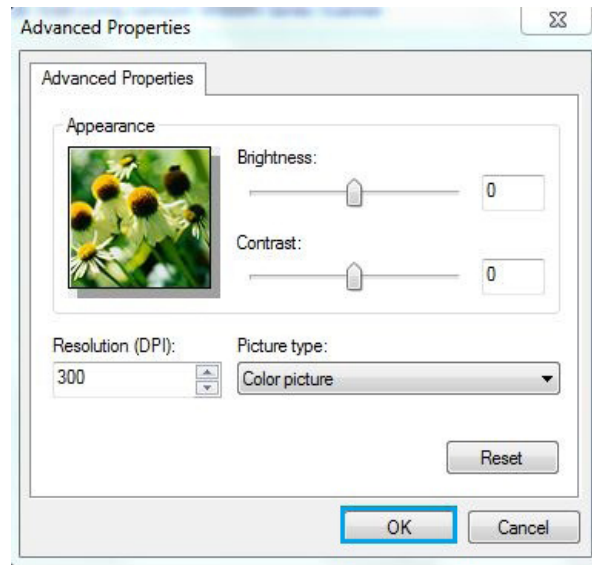
2) Click on "Device" and select WIA Scan,click the "Custom Insert" below.



3) The prompt window as is shown below, set the scan information.



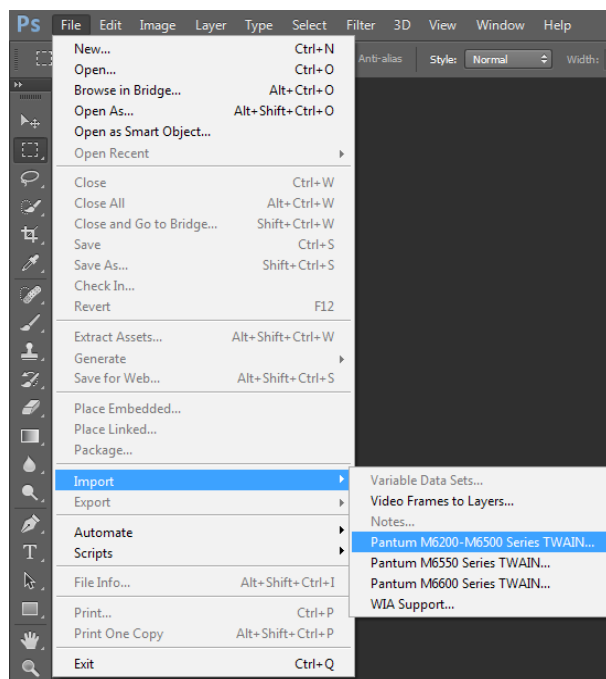
4) Click on "Adjust the Scanned Image Quality" on the bottom left corner of the above picture, the advanced properties interface will pop up, then users can set the scan; After finishing the settings, click on the "OK" button, then "Scan" button to start scan.



## 2. Photoshop

### Operation Steps:

1) Launch Photoshop, click "File"- "Import" on the top left corner and select WIA Scan, as is shown below:

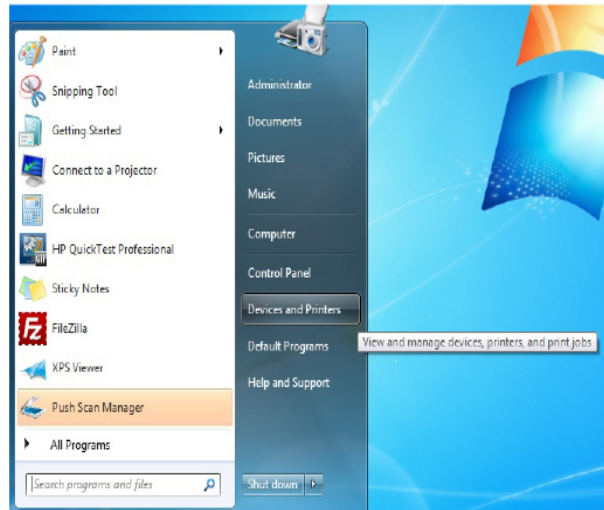


2) After the window pops up, please refer to Step 3 and Step 4 of 10.2.3.1 to see the specific operation steps.

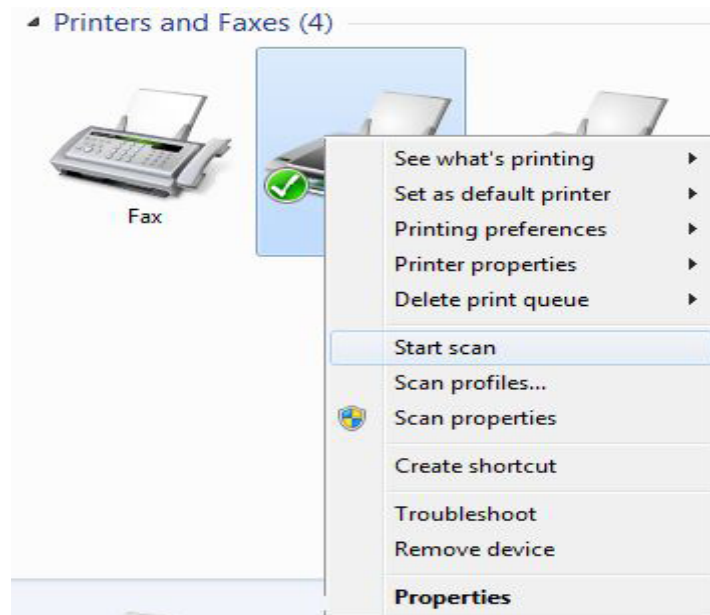
### 10.2.3.2. WIA 2.0 Scan (Windows Vista / Windows Server 2008 and later versions)

Operation Steps:

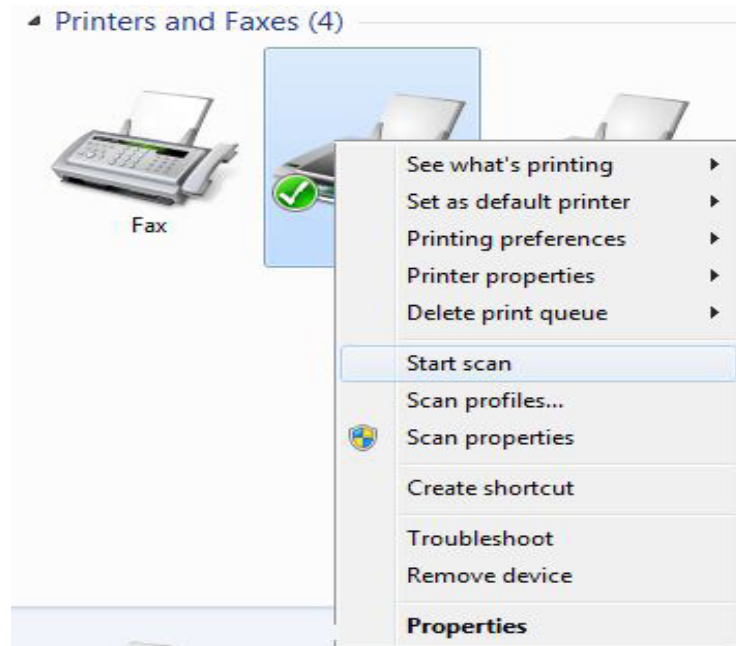
1) Click on "Start"- "All Programs"- "Device and Printer" on the left bottom of the desktop.



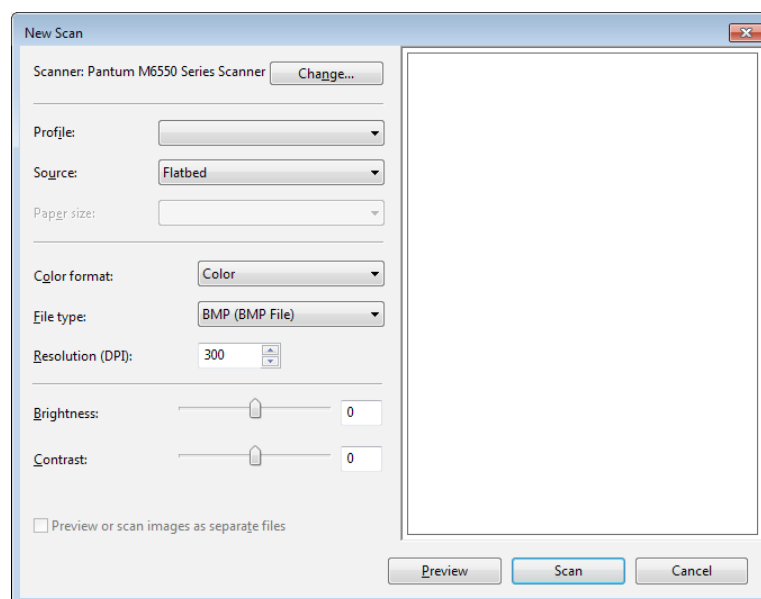
2) When the pop-up window appears, select the printer you want to use, and right click the mouse.



3) Click on "Start Scan" in the above option bar.



4) After the window pops up, set the scan and click "Scan" on the bottom right corner and start scan.



#### 10.2.4. Cancel Scan Job

During the scanning, two ways are available to cancel the job:

- 1) Press "Cancel" button on the control panel to cancel the job.
- 2) Click Cancel button on the scan progress bar interface of the computer to cancel the job.



## 10.3. Mac System Scan

### 10.3.1. ICA Scan

#### 10.3.1.1. Open ICA via "Print and Scan"

Operation Steps:

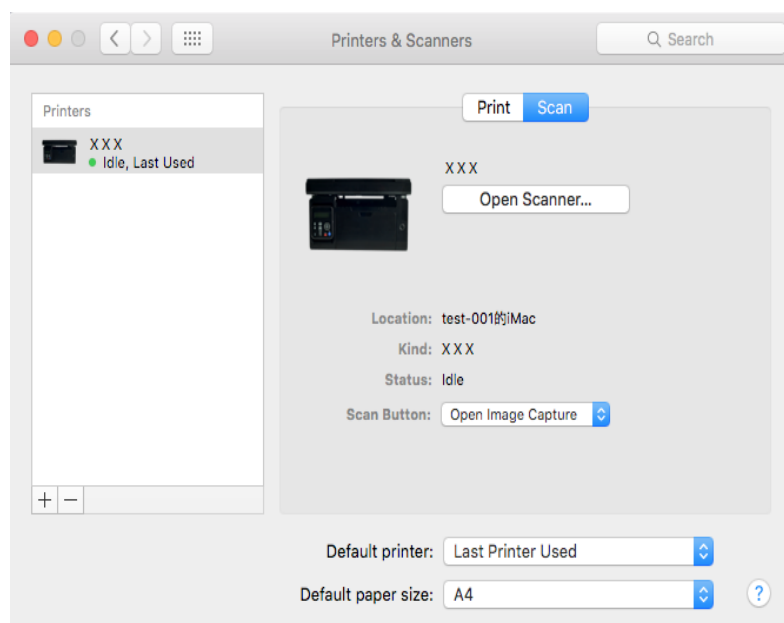
1. After installing the printer driver, click "System Preferences" icon on the bottom left corner of the computer desktop.



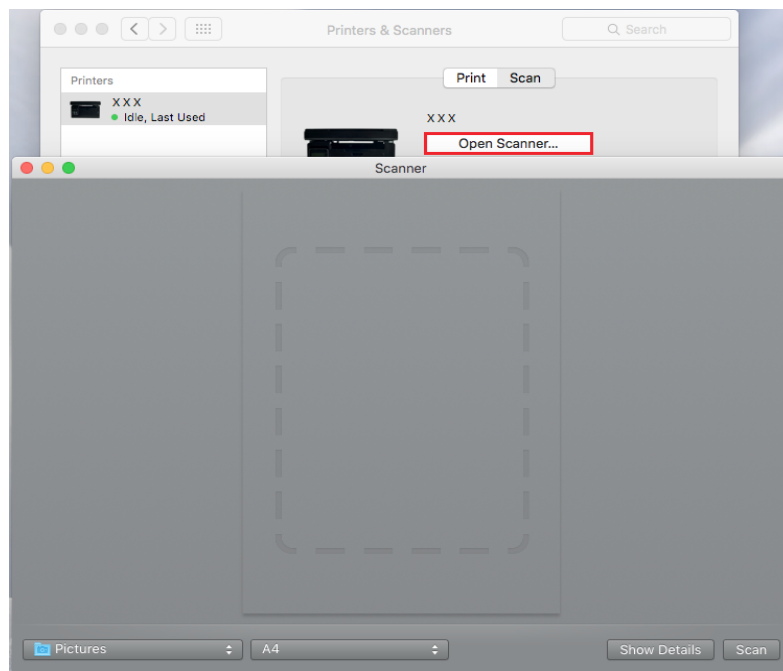
2. After the window pops up, click on "Print and Scan".



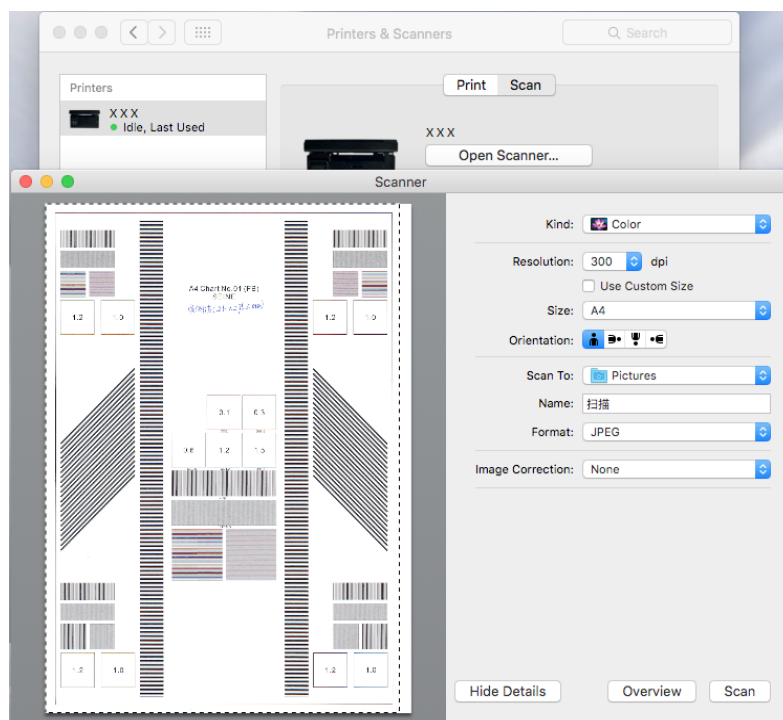
3. After the window pops up, click on "Scan".



4. Click on "Open Scanner" and the scan window will pop up.



5. Click on "Show Details" on the bottom right corner to set the scan parameters.

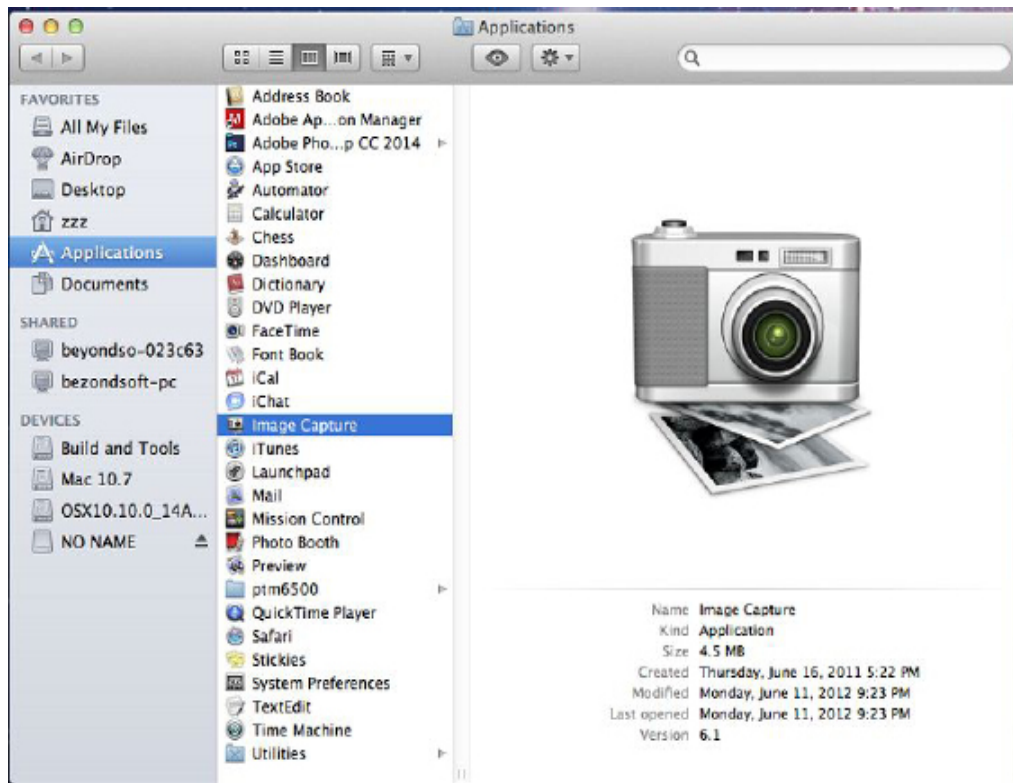


6. Click on "Scan" on the bottom right corner and start scan.

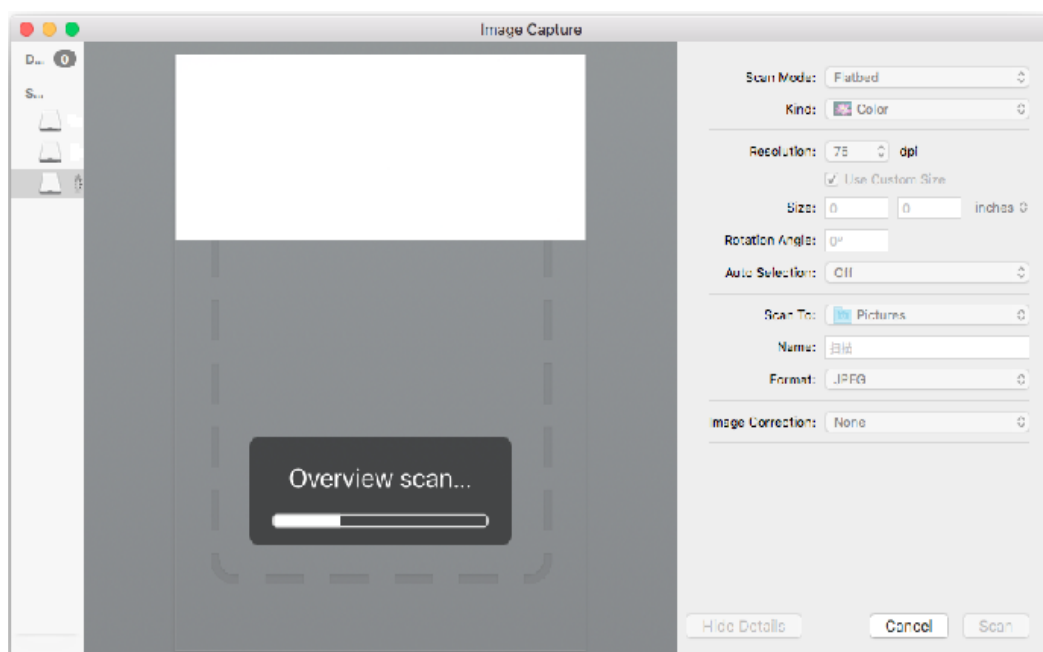
### 10.3.1.2. Call CIA through applications

Operation Steps:

1) Click on "Finder" icon on the bottom left corner of the computer desktop, or use keyboard shortcuts command+shift+C to open the window. Find "Image Capture" in "Applications" (or conduct keyboard shortcuts command+shift+A to directly switch to "Applications") and click to launch the application.



2) After selecting the printer in the left list, set the scan parameters in the right list. Click on "Scan" on the bottom right corner and start scan.

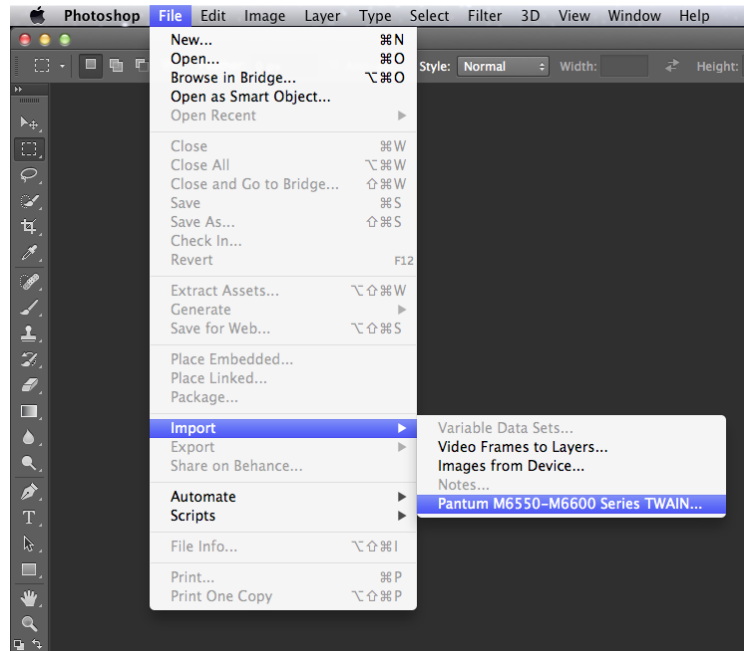


### 10.3.2. TWAIN Scan

Take Photoshop as an example.

Operation Steps:

1) Launch Photoshop, click on "File" – "Import" on the top left corner and select TWAIN Scan, as is shown below:



2) After the window pops up, please refer to Step 3 of 10.2.2.1 to see the specific operation steps.

---

# Routine Maintenance

# 11

Chapter

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11.1. Cleaning the Printer ..... 2

11.2. Maintenance of Laser Toner Cartridge ..... 5

11.2.1. Use and Maintenance of Laser Toner Cartridge ..... 5

11.2.2. Service Life of the Laser Toner Cartridge ..... 5

11.2.3. Replace Laser Toner Cartridge ..... 5

# 11. Routine Maintenance

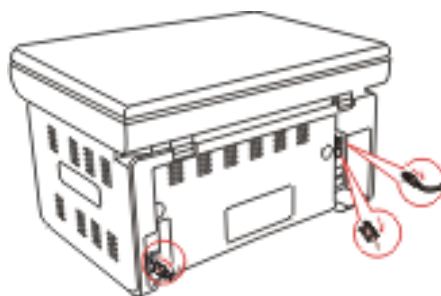
## 11.1. Cleaning the Printer



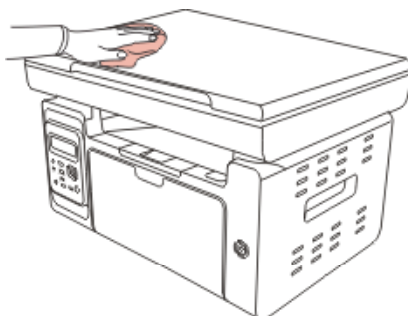
**Note:** • Please use mild detergents.

Please clean the printer in accordance with the following steps:

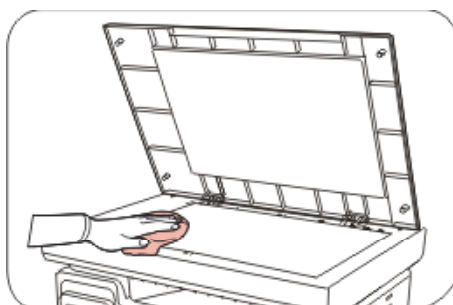
1. Turn off the main power switch and unplug the power cord and USB cable.



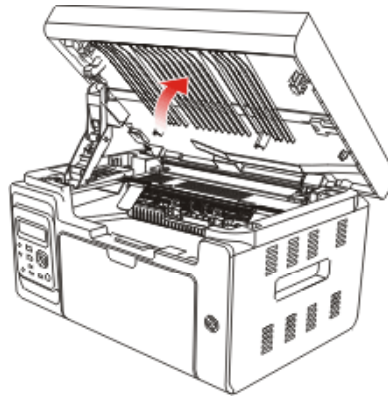
2. Use a soft cloth to wipe the outside of the printer and remove the dust .



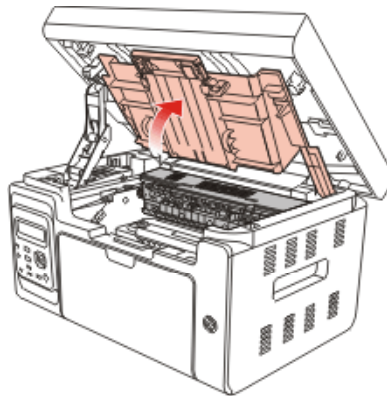
3. Raise the cover and gently wipe the platen glass with a soft cloth.



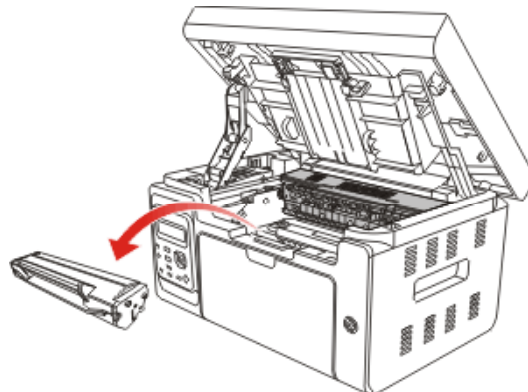
4. Raise the scanning platform until it is locked.



5. Open the output bin by the upper right ridge of the concave section.



6. Remove the laser toner cartridge along the guides.





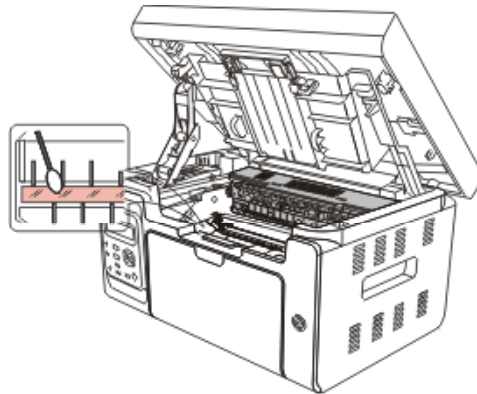
## Warning

Some parts of the printer are still hot within a short time after use. When opening the front cover or rear cover to clean the parts inside the printer, please do not touch the parts in the shaded area as shown in the following picture, so as to avoid burns.

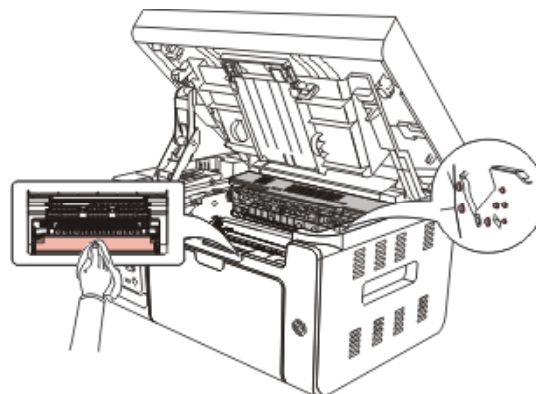


**Note:** • When removing the laser toner cartridge, put the cartridge in a protective bag or wrap it with thick paper to avoid direct light damaging the photosensitive drum.

7. Gently wipe the dustproof mirror of laser scanning surface with a cotton swab or a dry and lint-free soft cloth with a little alcohol.



8. Clean the inside of the printer by using a dry and lint-free cloth to gently wipe the shaded area as shown in the picture below.





## 11.2. Maintenance of Laser Toner Cartridge

### 11.2.1. Use and Maintenance of Laser Toner Cartridge

For better print quality, please use the original laser toner cartridge.



**Note:** when using the laser toner cartridge, please pay attention to the following:

- Unless used immediately, otherwise, do not remove the laser toner cartridge from the package.
- Do not refill the laser toner cartridge without authorization. Otherwise, the resulting damage is not included in the printer warranty.
- Please store the laser toner cartridge under a cool and dry environment.
- Toner inside the laser toner cartridge is combustible. Please do not put the laser toner cartridge near any source of ignition, so as to avoid causing a fire.
- When removing or disassembling the laser toner cartridge, please pay attention to the toner leakage problem. In case of the toner leakage resulting in that the toner contacts with your skin or splashes into your eyes and mouth, please immediately wash with clear water, and consult a doctor immediately if you feel unwell.
- When placing the laser toner cartridge, please keep it away from the area reachable by children.

### 11.2.2. Service Life of the Laser Toner Cartridge

Service life of the laser toner cartridge depends on the amount of toner that print jobs require.

When the LCD screen prompts that the toner is exhausted, it indicates that the cartridge life is expiring or has expired. To ensure the print quality, please timely replace with new laser cartridge.

### 11.2.3. Replace Laser Toner Cartridge

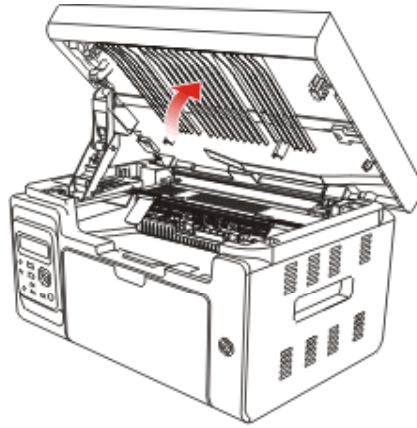


**Note:** Before replacing the laser toner cartridge, please pay attention to the following:

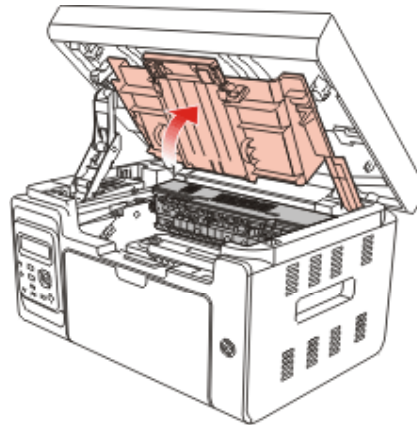
- The laser toner cartridge surface may contain toner. Please remove it carefully to avoid spilling.
- Put the removed laser toner cartridge on a piece of paper to avoid the toner from accidentally spilling.
- After removing the protective cover, please immediately install the laser toner cartridge into the printer, so as to avoid photosensitive drum damage caused by exposing to too much direct sunlight or indoor light.
- While installing the laser toner cartridge, do not touch the surface of the photosensitive drum so as not to scratch it.

Replacement steps are as follows:

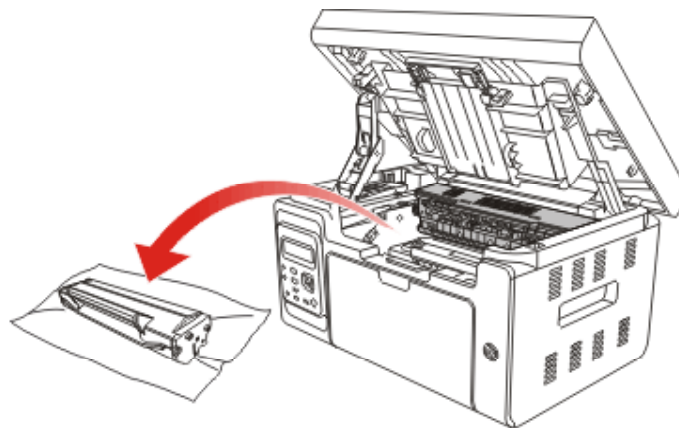
1. Turn off the printer and raise the scanning platform until it is locked.



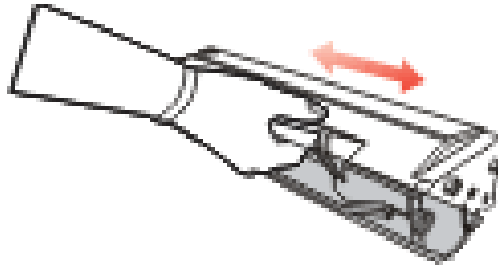
2. Open the output bin by the upper right ridge of the concave section.



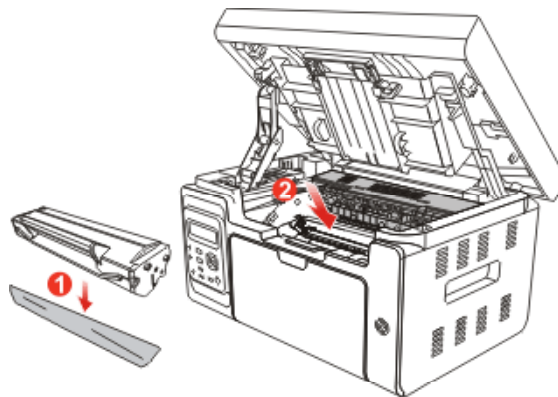
3. Remove the exhausted cartridge along the guides.



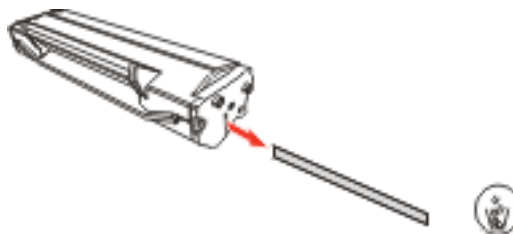
4. Open the package of a new laser toner cartridge, hold the handle of the cartridge and gently shake around 5 to 6 times, so as to make the toner evenly distributed inside the cartridge.



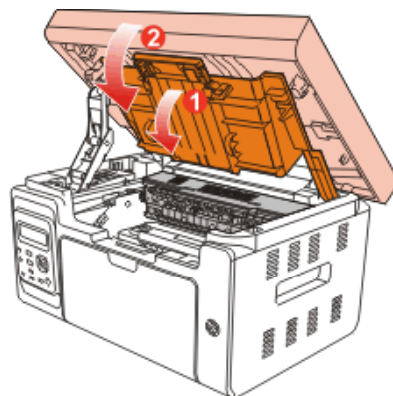
5. Remove the cartridge protector (blister cover), insert the cartridge along the guides into the printer, then push it firmly along the direction of the arrow until you hear a "click" assuring you that the cartridge is fully inserted.



**Note:** • Check whether there is any seal before installing the laser toner cartridge into the printer; if there is any, please tear off the seal and then install the cartridge.



6. Cover the output bin and close the scanning platform.



7. Restart the printer, and use the product control panel to print a test page.

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# Troubleshooting

# 12

Chapter

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## 12. Troubleshooting

Please read this section carefully. It can help you solve common malfunctions in the printing process. If the problems appeared cannot be solved, please timely contact Aftersales Service Center.

Prior to handling common trouble, first check that:

- Whether the power cord is connected correctly and the printer is powered on.
- Whether all protective parts are removed.
- Whether the laser toner cartridge is correctly installed.
- Whether the output bin is fully closed.
- Whether the paper is correctly loaded into the tray.
- Whether the interface cable is correctly connected between the printer and the computer.
- Whether the correct printer driver is selected and installed properly.
- Whether the computer port is properly configured and is connected to the proper printer port.

### 12.1. Clearing Jammed Paper

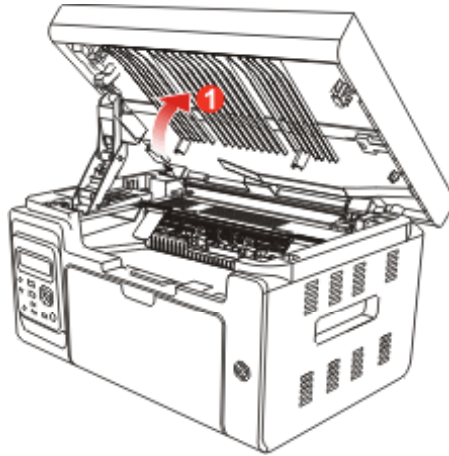


**Note:** • Remove the jammed paper in accordance with the following steps, close the upper cover and tidy the paper in the tray, then the printer will automatically resume printing. If the printer cannot automatically start printing, please press the button on the control panel.

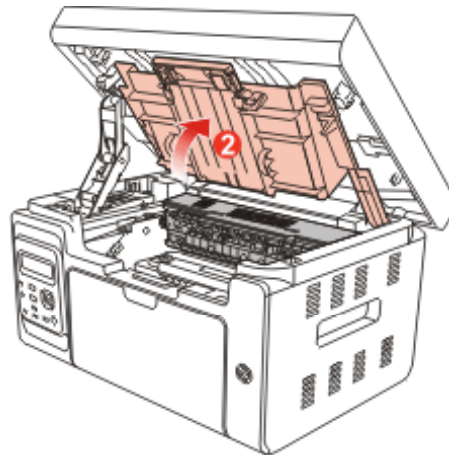
- If the printer still does not start printing, please check whether all the jammed paper inside the printer are cleared.
- If you can not remove the jammed paper yourself, please contact your local Aftersales Service Center or send the printer to the nearest Authorized Service Center for repair.

Please follow the following steps to clear the jammed paper if you are prompted of a paper jam by the LCD.

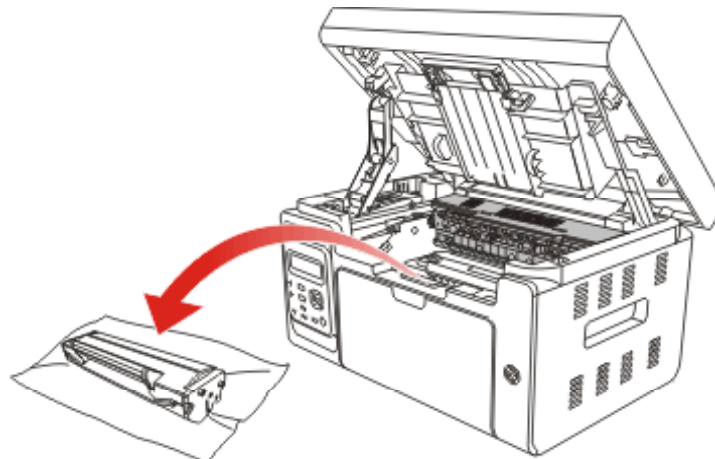
1) Raise the scanning platform until it is locked.



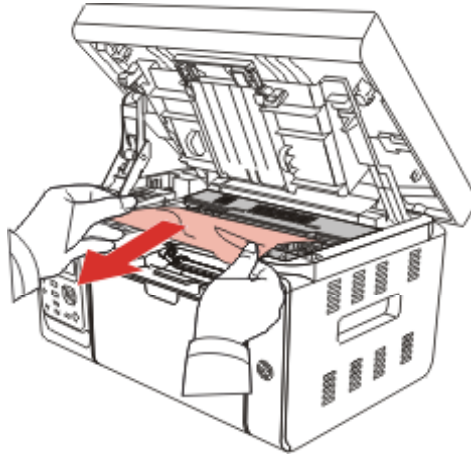
2) Open the output bin by the upper right ridge of the concave section.



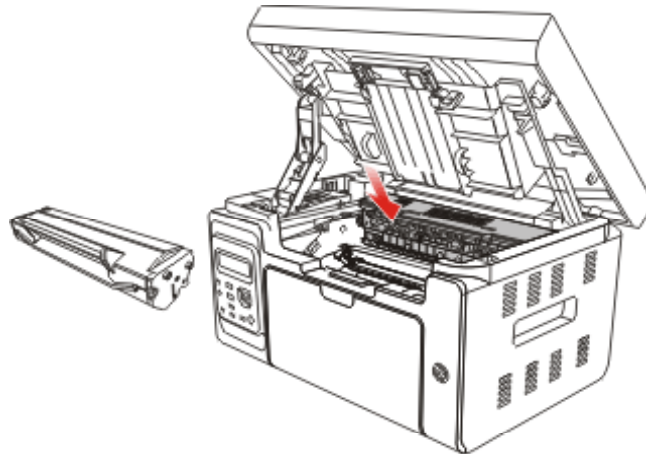
3) Remove the laser toner cartridge along the guides.



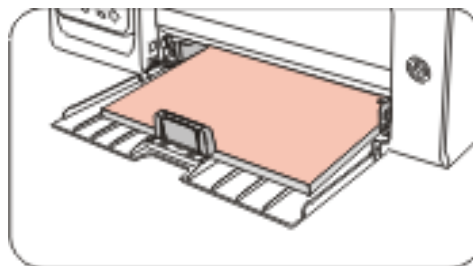
4) Gently draw the jammed paper out along the paper output direction.



5) After removing the jammed paper, insert the laser toner cartridge into the printer along the guides until you hear a "click" assuring you that the cartridge is fully inserted.



6) Neatly put the paper in the tray , and do not carry out the next print until the indicator light resumes print-ready status.



7) If you can not remove the jammed paper yourself, please contact your local Authorized Service Center or send the printer to the nearest Authorized Service Center for repair.

## 12.2. Error Message

Error message	Cause	Measure
Close Output Bin	The paper bin is not fully closed.	Close Output Bin.
No Laser Toner Cartridge Detected	The laser toner cartridge is installed incorrectly or laser toner cartridge is damaged.	The laser toner cartridge is installed correctly or new laser toner cartridge is replaced.
Toner Low	Cartridge toner is low	Replace New Laser Toner Cartridge
The toner cartridge life has expired	Cartridge toner is exhausted.	Replace New Laser Toner Cartridge
Feed jam	The print paper is loaded incorrectly. The paper is outside of the specification range.	Please correctly load the print paper.
Printer paper jam	The print paper is loaded incorrectly.	Please correctly load the print paper.
Scanner is Busy	With other scan jobs.	Please cancel the current scan job or wait for the completion of other scan jobs.
Scan failed	Scanner internal failure.	Please contact Authorized Service Center.



**Note:** • If the problem remains, please contact Authorized Service Center.



## 12.3. Common Troubleshooting

### 12.3.1. Common Trouble

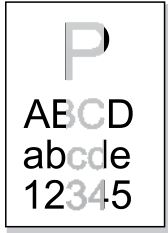
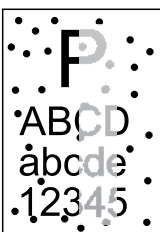
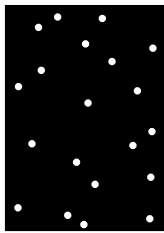
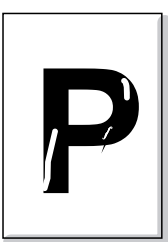
Trouble Type	Trouble	Cause	Solution
Problems in printing	Poor print quality	See 12.3.2 Image Defects.	See 12.3.2 Image Defects.
Problems in copying	Failed to copy	The scanner is damaged.	Please contact Authorized Service Center.
	Copy Image Abnormal	<ul style="list-style-type: none"><li>• The scanner is dirty or defective.</li><li>• The laser toner cartridge is dirty or damaged.</li></ul>	<ul style="list-style-type: none"><li>• Clean the scanner.</li><li>• Clean the laser toner cartridge or replace it with a new one.</li></ul>
Printer Problems	The printer does not work	<ul style="list-style-type: none"><li>• Power cord of the device is not properly connected.</li><li>• Data cable of the device is not properly connected.</li><li>• The print driver is installed incorrectly.</li><li>• The printer selected is not proper for printing.</li><li>• The LCD screen prompts error messages.</li></ul>	<ul style="list-style-type: none"><li>• Ensure proper connection of the power cord.</li><li>• Ensure proper connection of the data cable.</li><li>• Properly install the printer driver.</li><li>• Select the proper printer.</li></ul>
	Online printing does not work	<ul style="list-style-type: none"><li>• Data cable of the device is not properly connected.</li><li>• The printer driver is installed incorrectly.</li><li>• Printer internal failure.</li></ul>	<ul style="list-style-type: none"><li>• Ensure proper connection of the data cable.</li></ul> Reinstall the printer driver.
Problems in scanning	Scanning error	<ul style="list-style-type: none"><li>• Data cable of the device is not properly connected.</li><li>• The scan driver is installed incorrectly.</li><li>• The LCD screen prompts error messages.</li></ul>	<ul style="list-style-type: none"><li>• Ensure proper connection of the data cable.</li><li>• Reinstall the scan driver.</li></ul>

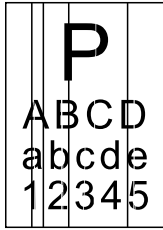
Problems in Handling Paper	Paper feed failure	<ul style="list-style-type: none"> <li>• The print media is loaded incorrectly.</li> <li>• The print media is beyond the usage specification range.</li> <li>• The feed roller is dirty.</li> </ul>	<ul style="list-style-type: none"> <li>• Please correctly load the print media. If you use special print media for printing, please print with the manual feeder tray.</li> <li>• Please use the print media within the specification range.</li> <li>• Clean the feed roller.</li> </ul>
	Paper Jam	<ul style="list-style-type: none"> <li>• Too much paper in the tray.</li> <li>• The print media is beyond the usage specification range.</li> <li>• There is foreign matter in the feed channel.</li> <li>• The feed roller is dirty.</li> <li>• Internal parts failure.</li> </ul>	<ul style="list-style-type: none"> <li>• Remove excess paper from the tray. If you print on special print media, please use the manual feeder tray.</li> <li>• Make sure to use the paper that meets specifications.</li> <li>• If you print on special print media, please use the manual feeder tray.</li> <li>• Clean the feed channel.</li> <li>• Clean the feed roller.</li> </ul>
	Print with multipage fed in	<ul style="list-style-type: none"> <li>• Excessive static electricity on the print media.</li> <li>• The print media is damp or sticks together.</li> <li>• Internal parts failure.</li> </ul>	<ul style="list-style-type: none"> <li>• Re-separate the print media to eliminate some static electricity. It is suggested that you use the recommended print media.</li> <li>• Re-separate the print media or use new print media.</li> </ul>



**Note:** • If the trouble still can not be shooted after the above operations, please contact Authorized Service Center.

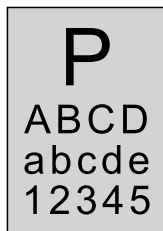
### 12.3.2. Image Defects

Trouble	Cause	Solution
 <p data-bbox="252 573 528 636">The printout is whitish or light</p>	<ul style="list-style-type: none"> <li>• Toner is low.</li> <li>• The print media does not meet usage specification, such as the media is damp or too rough.</li> <li>• The resolution in the print program is set too low, concentration setting is too low, or toner saving mode is ticked.</li> <li>• The laser toner cartridge is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>• Please properly use the print media within the specification range.</li> <li>• Set the print resolution, concentration, or cancel ticked toner saving mode in the program.</li> </ul>
 <p data-bbox="252 920 400 949">Toner spots</p>	<ul style="list-style-type: none"> <li>• The laser toner cartridge is dirty or leaks toner.</li> <li>• The laser toner cartridge is damaged.</li> <li>• The print media that does not meet usage specification is used. For example, the media is damp or too rough.</li> <li>• The feed channel is dirty.</li> <li>• If toner spots appear when copying and scanning, the platen glass may be dirty.</li> <li>• The scanner is dirty or damaged.</li> </ul>	<ul style="list-style-type: none"> <li>• Please use the print media within the specification range.</li> <li>• Clean the feed channel.</li> <li>• Clean the platen glass.</li> </ul>
 <p data-bbox="252 1397 400 1426">White spots</p>	<ul style="list-style-type: none"> <li>• The print media that does not meet usage specification is used. For example, the media is damp or too rough.</li> <li>• The feed channel is dirty.</li> <li>• The internal part of the laser toner cartridge is damaged.</li> <li>• The reflective glass of the laser inside the printer is dirty.</li> <li>• The scanner is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>• Please use the print media within the specification range.</li> <li>• Clean the feed channel.</li> <li>• Clean the reflective glass of the laser.</li> </ul>
 <p data-bbox="252 1778 453 1807">Toner comes off</p>	<ul style="list-style-type: none"> <li>• The print media that does not meet usage specification is used. For example, the media is damp or too rough.</li> <li>• The inside of the printer is dirty.</li> <li>• The laser toner cartridge is damaged.</li> <li>• The internal part of the printer is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>• Please use the print media within the specification range.</li> <li>• Clean the inside of the printer.</li> </ul>



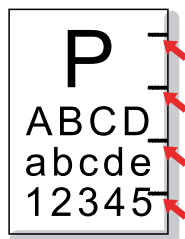
Black vertical stripes

- The laser toner cartridge is dirty.
- The internal part of the laser toner cartridge is damaged.
- The reflective glass of the laser inside the printer is dirty.
- The feed channel is dirty.
- If black vertical stripes appear when copying or scanning, the scanner or the platen glass may be dirty.
- Scanner Light bulb has smudges.
- The scanner is damaged.
- Clean the reflective glass of the laser at the back of the printer.
- Clean the feed channel at the back of the printer.
- Clean the scanner or the platen glass.



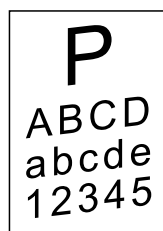
Black background  
(gray background)

- The print media that does not meet usage specification is used. For example, the media is damp or too rough.
- The laser toner cartridge is dirty.
- The internal part of the laser toner cartridge is damaged.
- The feed channel is dirty.
- The transfer voltage inside the printer is abnormal.
- Scanning exposure.
- If black background or gray background appears when copying and scanning, the platen glass may be dirty.
- Please use the print media within the specification range.
- Clean the feed channel inside the printer.
- Please close the cover on the manuscript, and then carry out copying and scanning.
- Clean the platen glass.



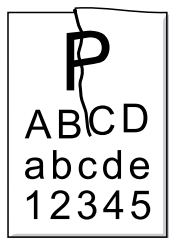
Cyclical traces appear

- The laser toner cartridge is dirty.
- The internal part of the laser toner cartridge is damaged.
- The fuser component is damaged.
- Clean the laser toner cartridge or replace it with a new one.
- Please contact Aftersales Service Center to repair and replace the fuser component.



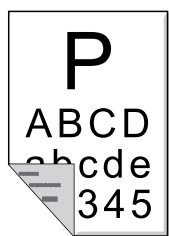
Skewed pages

- The print media is loaded incorrectly.
- The feed channel of the printer is dirty.
- Ensure correct loading the print media.
- Clean the feed channel inside the printer.



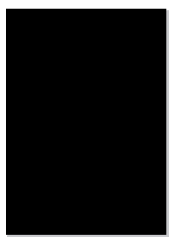
Wrinkled paper

- The print media is loaded incorrectly.
- The print media does not meet the usage specification.
- The feed channel inside the printer is dirty.
- The fuser component of the printer is damaged.
- Ensure correct loading the print media.
- Please use the print media within the specification range for printing.
- Clean the feed channel inside the printer.



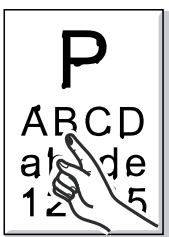
The back of the printout is dirty

- The laser toner cartridge is dirty.
- The transfer roller inside the printer is dirty.
- The transfer voltage inside the printer is abnormal.
- Clean the laser toner cartridge or replace it with a new one.
- Clean the internal transfer components of the printer.



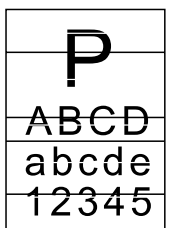
Whole page dark

- The laser toner cartridge is installed incorrectly.
- The internal part of the laser toner cartridge is damaged.
- Abnormal charge inside the printer; the laser toner cartridge is not charged.
- If all-black image appear when copying and scanning, maybe it is scanning exposure, and the cover on the manuscript is not properly closed.
- The scanner is damaged.
- Ensure to install the cartridge correctly.
- Please first close the cover on the manuscript, and then carry out copying and scanning.



The toner does not adhere to the paper

- The print media that does not meet usage specification, such as the media is damp or too rough.
- The inside of the printer is dirty.
- The laser toner cartridge is damaged.
- The internal part of the printer is damaged.
- Please use the print media within the specification range.
- Clean the inside of the printer.



Horizontal stripes

- The laser toner cartridge is incorrectly installed.
- The laser toner cartridge might be damaged.
- The internal part of the printer is damaged.
- Ensure to install the cartridge correctly.



**Note:** • The above troubles can be handled by cleaning or replacing the laser toner cartridge. If the problem remains, please contact Aftersales Service Center.

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# Product Specifications

# 13

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13.3. Copy Specifications ..... 3

13.4. Scan Specifications ..... 3

## 13. Product Specifications

### 13.1.Overview of the Specifications

Product Size (L×W×H)	417mm*305mm*244mm
Product Weight	7.5kg (No wrappage, but random cartridges)
Print Environment	Preferred Temperature Range for Printing: 10-32°C (50°F-90°F) Preferred Moisture Range for Printing: 20% - 80%
Power Voltage	220V Model AC220~240V (-15%,+10%), 50Hz/60Hz; 3A
Noise	Print: ≤54dB Standby: ≤30dB
Power Consumption	Print: Average 370W, Maximum750W Networked standby: ≤3.0W
Operating System	Microsoft Windows Server2003/Server2008/Server2012/XP/Vista/Windows7/ Windows8/Windows8.1/Windows10(32/64 Bit) Mac OS 10.6/10.7/10.8/10.9/10.10/10.11 IOS/Android
Communication interface	Hi-speed USB 2.0 100Base-Tx Ethernet Wi-Fi 802.11b/g/n
Processor	600MHz
Memory	128MB

### 13.2.Print Specifications

Print Speed	22ppm (A4)/23ppm (Letter)
Print Time of First Page	<7.8sec
Monthly Maximum Print Copies	20,000 pages
Print Language	GDI

### 13.3.Copy Specifications

Copy Speed	22cpm (A4)/23cpm (Letter)
FCOT	<10sec
Maximum Pages for Successive Print	99 Pages
Zoom Ratio	25%~400%
Other Copy Functions	ID copy, Receipt copy, N-up copy, Clone copy

### 13.4.Scan Specifications

Scan Type	Flatbed
Maximum Scan Size	Flatbed: 216×297mm
Chromoscan	Yes
Scan Output Function	Scan to PC, E-mail, FTP



