User Guide

PANTUM

WWW.PANTUM.COM

Pantum P3020/P3320 Series

Monochrome Laser printer



It is recommended that you read this Guide carefully before using the printer

Preface

Welcome to the Pantum Series products!
We heartily appreciate your using of Pantum Series products!
To protect your vital interests, please carefully read the following statements.
For more information, please visit our official website (www.pantum.com).

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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

Disconnect the power supply

The product should be placed close to or easily accessible to power sockets, so as to allow easy disconnection of power supply!

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 complies 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:



or



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!



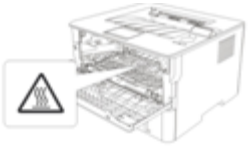
Plugging and unplugging the power cord plug with a wet hand can result in an electric shock.



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.



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 I 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 Pantum 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 Pantum 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℃ and 35℃ and the relative humidity between 20% and 80%;
25. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
26. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
27. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.
28. Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.
29. The power consumption of the product is 1.3 W in networked standby if all wired network ports are connected and all wireless network ports are activated;
30. Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.
31. Please keep this User Guide properly.

Legal Information



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.



European Community (EC) directives conformity

This product complies with the protection requirements of EC directives 2014/30/EU and 2014/35/EU on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility and safety of electrical equipment designed for use within certain voltage limits.

Radio Equipment directive 2014/53/EU only for models ending with suffix "W".

The manufacturer of this product is: Zhuhai Pantum Electronics Co., Ltd., Building 02,06 and 08,No.888 Shengping Avenue, Pingsha Town, Zhuhai City, Guangdong Province, 519000 PR China.

A declaration of conformity to the requirements of the Directives is available upon request from the Authorized Representative.

This product satisfies the Class B limits of EN 55032 / EN 55035 and safety requirements of EN 62368-1.



This printer is fully compliant with the RoHS Directive 2011/65/EU for managing toxic and hazardous substances.

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1. Before Using the Printer

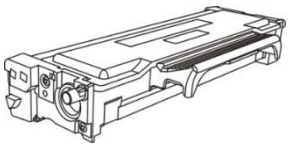
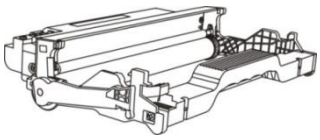
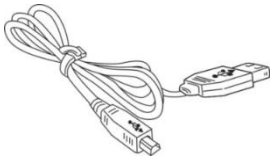
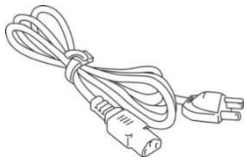
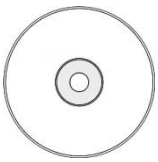
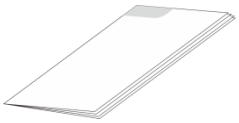
1.1. Product series introduction

Product series parameters			P3020D series	P3020DWS series	P3320D series	P3320DWS series
Interface type	USB		●	●	●	●
	NET					
	WiFi			●		●
Print Language	GDI		●	●	●	●
	PDL					
Control Panel	LED		●		●	
	LCD			●		●
Print Speed	A4	30ppm	●	●		
		33ppm			●	●
	Letter	32ppm	●	●		
		35ppm			●	●
Automatic Two-Sided Printing			●	●	●	●
NFC function						
Mute printing			●	●	●	●

(●: Support; Blank: Unsupport)

This product series is subject to additions or changes without prior notice.

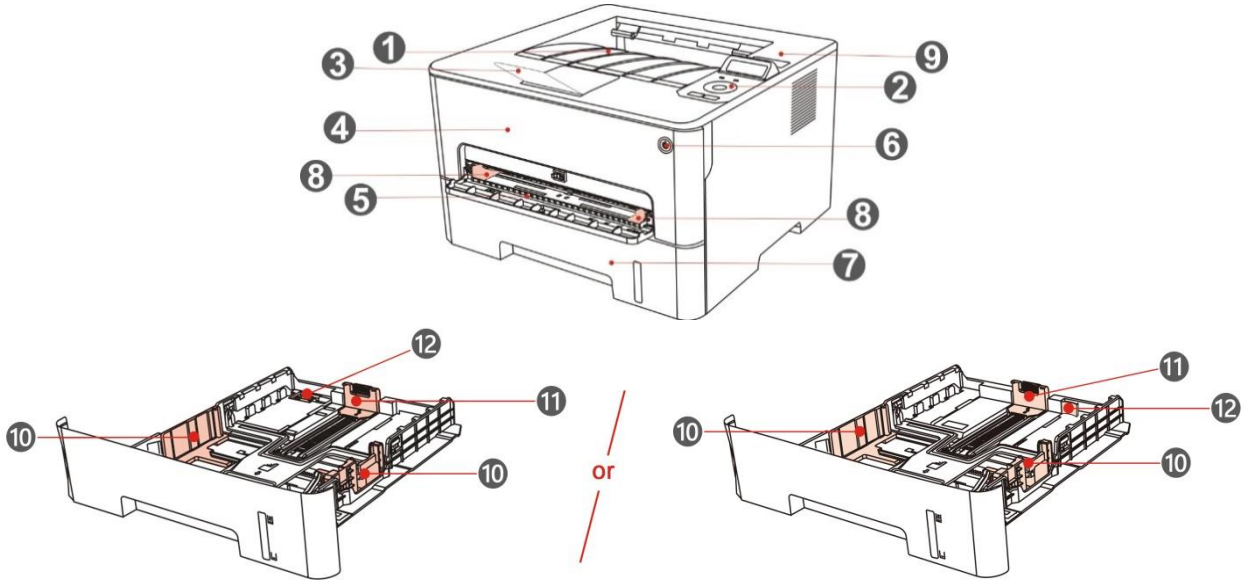
1.2. Supplied Accessories

Name	Parts
Toner cartridge	
Drum component	
USB Interface Cable	
Power Cord	
CD	
Quick Setup Guide	
Pantum Warranty	

Note:• The Pantum Warranty may not be attached in some regions.

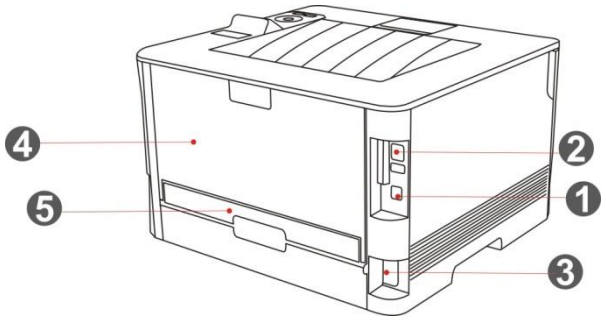
1.3. Product View

Side view



No.	Name	Functions
1	Output Bin	For storing the printed paper.
2	Control Panel	Indicate printer status to conduct set operation.
3	Output Tray	To prevent the printed paper from falling.
4	Front Cover	To open the front cover to take out the laser toner cartridge.
5	Manual feed tray	For placing mediums that are printed in manual feed tray.
6	Power switch	Turn the power on or off and press this button under Ready state to enter energy-saving mode. Press and hold this button for more than 2s to turn the printer power off.
7	Automatic Feeder Tray	For placing mediums that are printed in auto feed tray.
8	Paper deflector of manual feed tray	Slide paper deflector to adapt to paper width.
9	NFC (Near Field Communication) label	Touch this label on mobile device to download or start Pantum printer App and connect WiFi Directly.
10	Paper width deflector of auto feed tray	Slide paper width deflector to adapt to paper width.
11	Paper length deflector of auto feed tray	Slide paper length deflector to adapt to paper length.
12	Clip of extended tray of auto feed tray	For adjustment of length extension of the tray .

Rear View



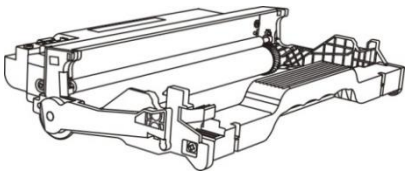
No.	Name	Functions
1	USB Interface	For connecting product to computer with USB cable.
2	Network Interface	For connecting product to network with network cable.
3	Power Interface	For connecting product to power with power cord.
4	Rear Cover	For paper release when it gets jammed.
5	Duplex Printing Unit	For paper feed at duplex printing and paper release when paper gets jammed at duplex printing.

Note: • Printer appearance may differ because of various models and functions, so the schematic diagram is only for your reference.

1.4. Laser Toner Cartridge

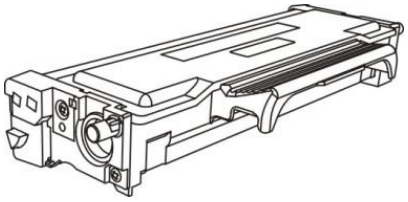
Laser toner cartridge is composed of drum component and toner cartridge.

Service life of drum component



Type	Average Print Volume
Standard drum component	About 12000 Pages(Based on ISO 19752 standard)
High volume drum component	About 25000 Pages(Based on A4/LTR size (3pages/job))

Service life of toner cartridge



Type	Average Print Volume
Standard-volume toner cartridge	About 1500 Pages(Based on ISO 19752 standard)
High-volume toner cartridge	About 3000 Pages/6000 Pages(according to ISO 19752 standard)
Super large volume catridge	About 11000 Pages(Based on ISO 19752 standard)

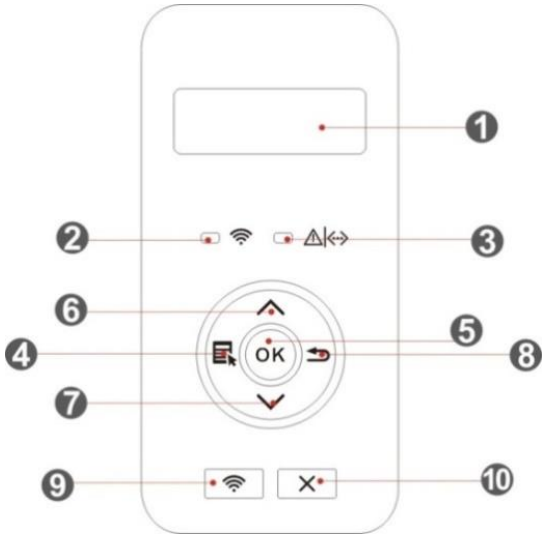
Note:
- The model is subject to increase without notice.
- Consumables capacity may vary with different using types.
- The Company does not recommend using consumables other than the original consumables provided, as any damages caused by non-original consumables are not covered by the scope of warranty.
- Toner cartridge appearance may differ because of multiple volume and models, so the schematic diagram is only for your reference.
- High volume drum component and super large volume catridge are only applicable to some models, please refer to the specifications of the model that you actually purchase.

1.5. Control Panel

1.5.1. Overview of control panel

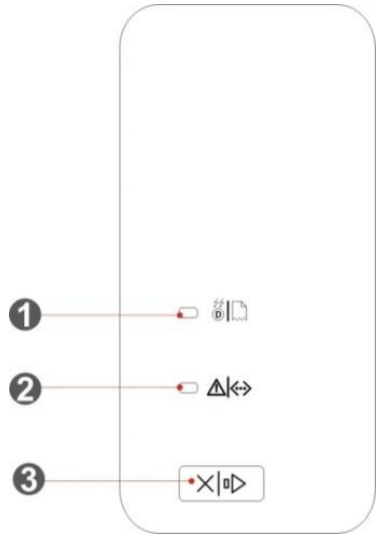
The layout of the printer control panel is shown below:

LCD control panel



No.	Name	Functions
1	LCD Display	Display operation interface and product information.
2	WiFi indicator/save toner indicator	Indicate WiFi connection status (applicable to WiFi model only). Indicate the on/off of save toner function (applicable to non-WiFi model only). (Please refer to Chapter 1.5.2.1)
3	Toner cartridge/status indicator	Indicate the status of toner cartridge and printer (please refer to Chapter 1.5.2.1)
4	Menu	Open the main menu of control panel.
5	OK	Confirm the selection on screen.
6	UP	Scroll through the menus and options. For menu items need to input, change the numeric value by cycle accumulating.
7	Down	Scroll through the menus and options. For menu item needs to be input, shift the entry positions from left to right, for example, IP address entry.
8	Back	Return to the previous menu.
9	WiFi key/save toner key	Short press WiFi button to turn on direct WiFi connection of the printer and automatically print out "Mobile Device WiFi Connection Wizard" page (for models with WiFi function only). Long press WiFi button for over 2 seconds: Disconnect WiFi when it has already been connected (for WiFi models only). Open save toner function(applicable to non-WiFi model only).
10	Cancel	Execute cancel operation.

LED control panel



No.	Name	Functions
1	Drum/paper status indicator	Indicate the status of paper and drum component (please refer to Chapter 1.5.2.2).
2	Toner cartridge/status indicator	Indicate the status of toner cartridge and others other than paper (please refer to Chapter 1.5.2.2).
3	Cancel/continously press key	Press this button for more than 2s to cancel current printing operation under normal printing condition. Press this button to continue the current printing operation, or press this key for more than 2s to cancel the current printing operation when paper feed fails or it is lack of paper. Press this button for more than 2s to print information page at idle state.

1.5.2. Indicator function of control panel

1.5.2.1. Indicator status display of LCD control panel

Display meanings of WiFi / save toner indicator are as follows:

No.	Display of WiFi/save toner indicator	Status	Status description (applicable to WiFi model only)	Status description (applicable to non-WiFi model only)
1		Die out	WiFi disconnected and sleep mode	Turn save toner state function and sleep mode
2		Blue indicator blinks	WiFi connecting	None
3		Blue indicator normally on	WiFi connected	Turn on save toner function

Display meanings of toner cartridge / status indicator are as follows:

No.	Display of toner cartridge/status indicator	Status	Status description
1		Die out	Sleep mode
2		Green indicator blinks	Warming up, printing, print cancelling
3		Green indicator normally on	Printer is ready
4		Orange indicator blinks	Low toner warning
5		Orange indicator normally on	Toner cartridge error (uninstalled ink cartridge, unmatching ink cartridge, invalid toner cartridge)
6		Red indicator normally on	Printer errors such as paper error (paper out, paper jam, paper feed failure), opened front cover

1.5.2.2. Indicator status display of LED control panel

Display meanings of drum component/paper status indicators are as follows:

No.	Display of drum component/paper status indicators	Status	Status description
1		Die out	Sleep mode
2		Green indicator normally on	Normal drum, paper out failure
3		Red indicator normally on	Drum component error (uninstalled drum component, unmatching drum component, invalid drum component), paper error (paper out, paper jam, paper feed failure)
4		Orange indicator normally on	Drum component is about to end its expected service life

Display meanings of toner cartridge/status indicator are as follows:

No.	Display of toner cartridge/status indicator	Status	Status description
1		Die out	Sleep mode
2		Green indicator normally on	Printer is ready
3		Green indicator blinks	Warming up, printing, print cancelling
4		Red indicator normally on	Printer errors such as opened front cover
5		Orange indicator normally on	Toner cartridge error (uninstalled ink cartridge, unmatching ink cartridge, invalid toner cartridge)
6		Orange indicator blinks	Low toner warning

2. Paper and Print Media

2.1. Paper Specification

Automatic Feeder Tray	Media Type	Plain paper(70～105g/m²),thin paper(60～70g/m²)
	Media size	A4, Letter, A5, Legal, Statement, JIS B5, Folio, Oficio, Executive, ISO B5, A6, B6, 16K, Big 16K, 32K, Big 32K, Custom
	Media weight	60～105 g/m²
	Maximum capacity of the tray	250 pages （80 g/m²）
Manual feed tray	Media Type	Plain paper(70～105g/m²),thin paper(60～70g/m²),thick paper(105～200g/m²),transparent film,carton paper,label paper, envelope
	Media size	A4, Letter, Legal, Folio, Oficio, Statement, Executive, JIS B5, ISO B5, A5, A6, B6, Monarch Env, DL Env, C5 Env, NO.10 Env, C6 Env, Japanese Postcard, ZL, 16K, Big 16K, 32K, Big 32K, Yougata4, Postcard, Younaga3, Nagagata3, Yougata2, Custom
	Media weight	60～200 g/m²
	Maximum capacity of the tray	1 pages

Note:
- 80 g/m² standard paper is recommended for this 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 Pantum. Before purchasing large quantities of print media, make sure that the print media meets the specifications specified in this User Guide.

2.2. Special Paper

This printer supports using the special paper for printing. Special paper includes: label paper,envelope, transparent film, thick paper,carton paper, thin paper. Please observe the following standards:

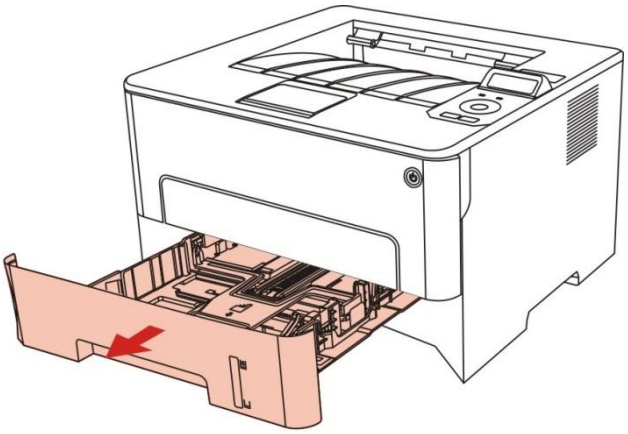
Note:• When using special paper or print media, be sure to select matched print type and size in the print settings so as to get the best print effect.

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, carton 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.

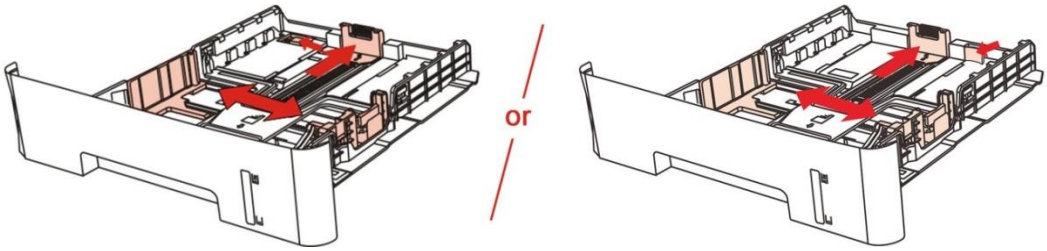
2.3. Loading Paper

2.3.1. Loading into the Automatic Feeder Tray

1.Slide out the automatic feeder tray from the printer.

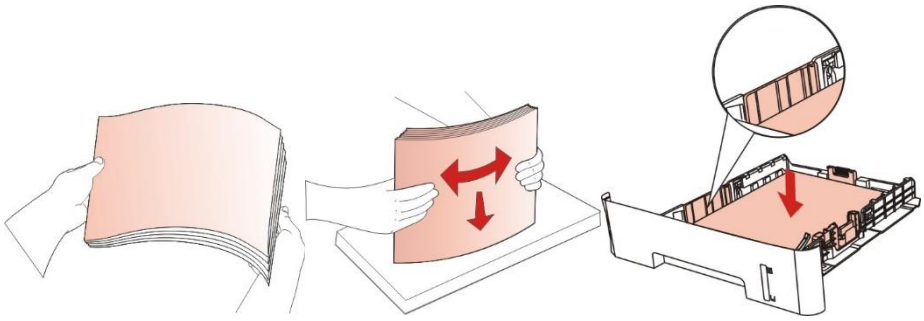


2. Slide the clip of extended tray of auto feed tray, paper length deflector and paper width deflector to the slot suitable for paper size, in order to match paper length and width.

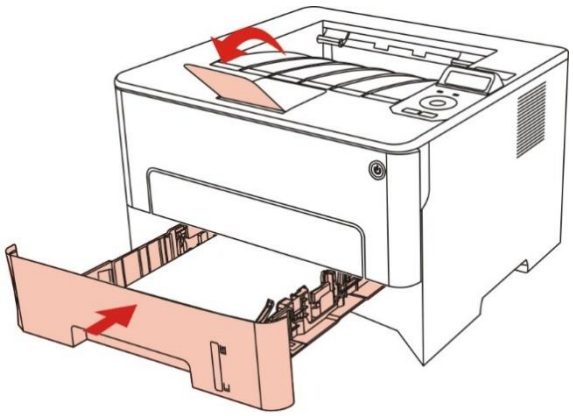


Note:• Do not overly squeeze the "paper length guide" and "paper width guide", otherwise it could easily lead to deformation of paper.

3. Before loading paper, please unfold the stacked paper to avoid a paper jam or feed error, and then load the paper into the tray print-side down.The automatic feeder tray can be loaded up to 250 pages, 80g/m² paper.



4. Raise the output tray to avoid the printed paper from slipping and falling, or immediately remove the printed document after the printing is complete.



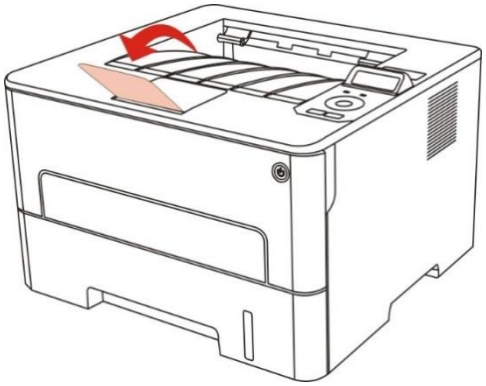
Note:• It is recommended that you raise the output tray to prevent the paper from slipping and falling after printing. If you choose not to raise the output tray, we recommend that you immediately remove the printed paper from the printer.

• If more than 250 pages (80 g/m²) are put inside the auto feed tray at one time, paper jam or paper feed failure will be led to.

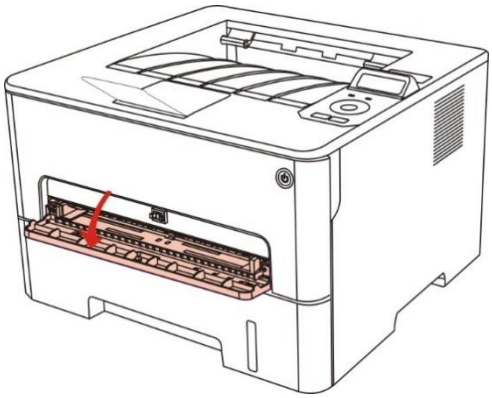
• If carrying out single-sided printing, please make sure that the side to be printed (the blank side) is face down.

2.3.2. Install manual feed tray

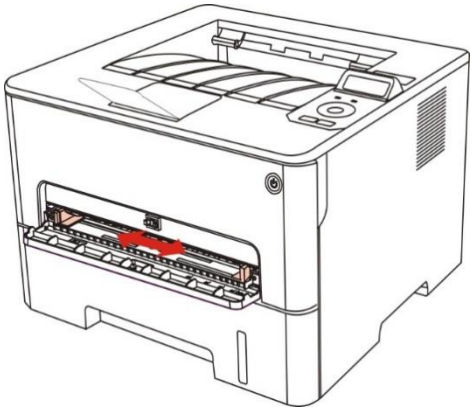
1. Raise the output tray to avoid the printed paper from slipping and falling, or immediately remove the printed document after the printing is complete.



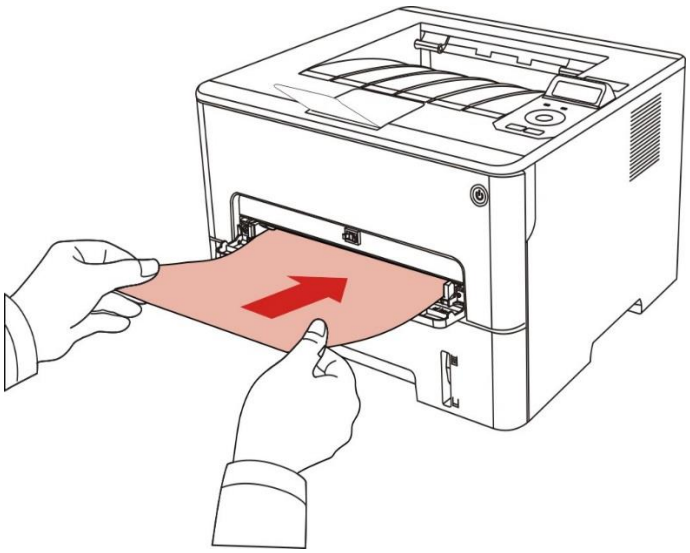
2. Open manual feed tray.



3. Slide the paper deflector of manual feed tray to match the two sides of paper. Do not use excessive force; otherwise, paper will be made jammed or skewed.



4. Put a flat printing medium into the manual feed tray with both hands.



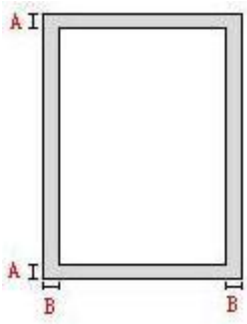
Note:• The printer will enter manual feed mode automatically when you put papers inside the manual feed tray.
• Please put one printing medium inside the manual feed tray each time and put in another piece after finishing printing.
• Put the printing medium inside the manual feed tray with the printing side up; the top of paper should be put inside first.

5. When the printed page is output from the printer, put the second piece inside according to the above steps to continue printing. Slow action will lead to the prompt of paper out or paper failure of manual feed tray. After paper is put inside, printing will be resumed automatically; too quick action may make paper caught up in the printer, which will easily result in paper jam.

Note: • After printing, please take out printed papers output from printer immediately. Stacked papers or envelops will lead to paper jam or wrapped paper.

2.4. Non-printable Area

The shaded area indicates the non-printable area.



Usage	Paper Size	Top and bottom margins (A)	Left and right margins (B)
Printing	A4	5mm(0.197inch)	5mm(0.197inch)
	Letter	5mm(0.197inch)	5mm(0.197inch)

2.5. Paper application rules

• Rough textured, uneven, oil stained and extremely smooth paper will make printing effect poor.
• 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.

3. Driver installation and uninstallation

3.1. Driver Setup

This device supplies driver setup applications for Windows and macOS. We recommend One-click installation, which helps you install the driver automatically in a faster and easier way. Should you encounter trouble when using the One-click installation, you may try more setup methods.

Note:• Driver installation interface may differ because of different models and functions, so the schematic diagram is only for your reference.

3.1.1. One-click Installation(For Windows and macOS)

One-click installation offers installation options via "WiFi", "USB", and "Wired Network". You may select the one you're familiar with the most according to the connection methods supported by your printer.

3.1.1.1. Connect printer via WiFi

Before installing printer driver, please check if your printer is connected to the WiFi properly. If not, please follow Section 3.1.1.1.1 for installation; and if yes, please follow Section 3.1.1.1.2 for installation.

Note:• You can print "Network configuration page" to confirm printer network connection status to see if printer is connected with network (Please see Section 9.4 for how to print).

3.1.1.1.1. Printer not connected to WiFi

3.1.1.1.1.1. Configure WiFi and install driver via USB cable

In this section, setup will be introduced in "PC connected to router via WiFi" and "PC connected to router via cable".

Note:• Printer WiFi configuration only supports 2.4 GHz networks.

I. Connect computer to router via WiFi

1. Computer is already connected to router via WiFi.
2. Connect the printer to computer via USB cable, then power the printer on.
3. Place the attached installation CD in the computer CD-ROM:

For Windows:

• Windows XP system: automatically run the installation procedure.

• Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click “Setup.exe” to run the installation procedure.

• Windows 8 system: When the " DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the pop-up window, then click "Setup.exe" to run the installation procedure.

• Windows 10/11 system: When the "DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the window, then click "Setup.exe" to run the installation procedure.

Note:• Some computers may be unable to auto play the CD beacase of system configuration. Please double click "Computer" icon, find "DVD RW driver", then double click "DVD RW driver" to run the installation procedure.

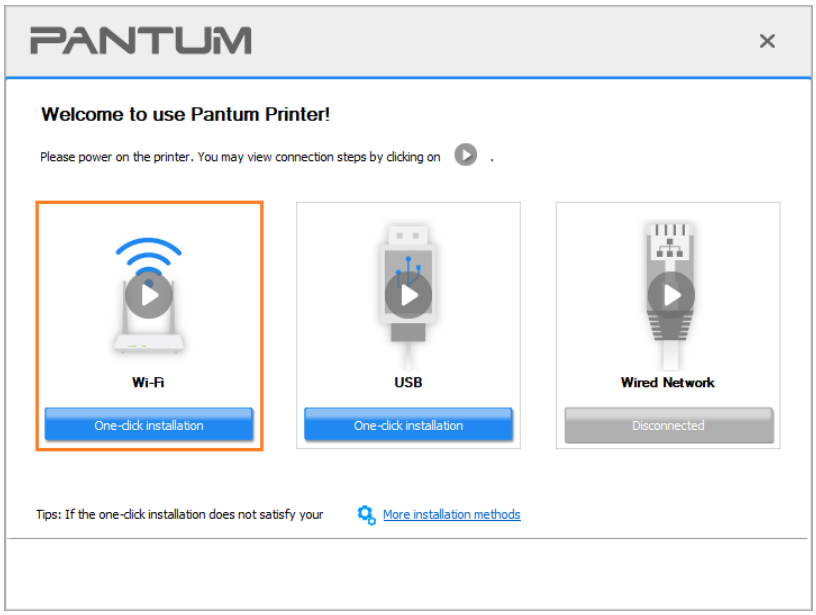
For macOS:

• Double-click on “Pantum XXX Series_Mac_Driver” – “Pantum Install Tool”. (The XXX in Pantum XXX Series refers to product model.)

4. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.

5. For Windows, follow Step 6. For macOS, enter PC password before proceeding to Step 6.

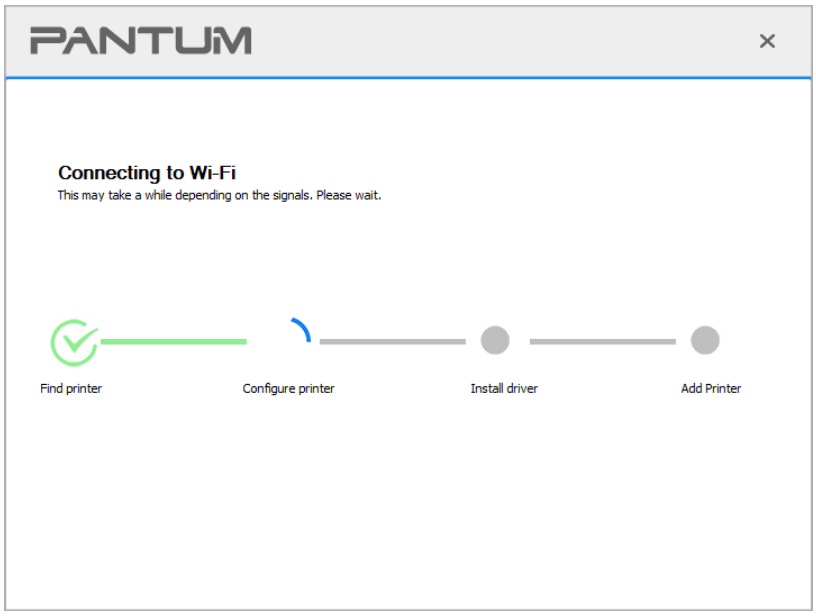
6. Click on “One-click installation” button under WiFi to install the driver.



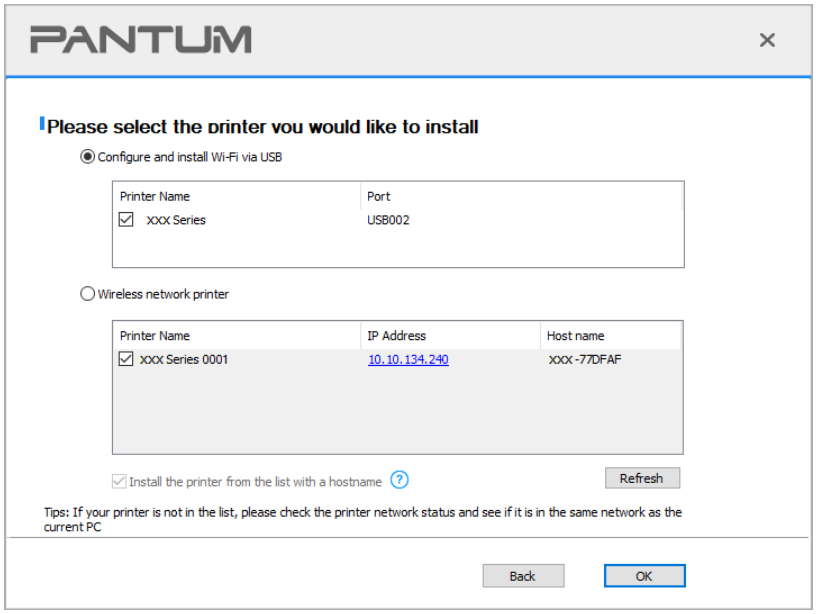
Note:• You can put your mouse cursor in the "One-click installation" button to check the popup information in order to confirm if the current printer is the one you need to install through IP address before you click the button.

• You can check the printer IP address through "Network configuration page" (Please see Section 9.4 for how to print)

• If the Install Tool finds only one printer, it will proceed to network configuration and driver installation automatically when you click on "One-click installation" under WiFi. (For macOS, authorization is required before printer WiFi can be configured.)



• If the Install Tool finds more than one printer, a printer list will pop up when you click on "One-click installation" under WiFi. You need to select "Configure printer WiFi and install via USB cable", check USB printer, and click on "OK", so the Tool can proceed to network configuration and driver installation automatically. (For macOS, authorization is required before printer WiFi can be configured.)



Note:• When the printer IP address changes under printer driver installed with host ID , you can also directly print without re-installing the driver. If you need to install the printer driver with the host ID, please check the option "Install the printer in the list with host ID".

7. After the installation, click "Print &Test Page" button. If your printer prints the test page successfully, it means that you have installed the driver correctly.

II. Connect computer to router via network cable

1. Connect computer to router via network cable.
2. Connect the printer to computer via USB cable, then power the printer on.
3. Place the attached installation CD in the computer CD-ROM:

For Windows:

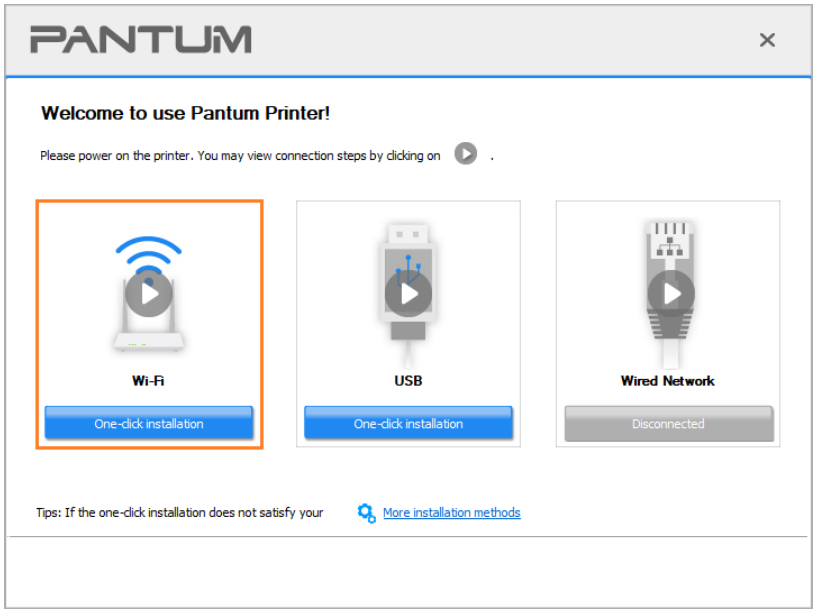
• Windows XP system: automatically run the installation procedure.
• Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click “Setup.exe” to run the installation procedure.
• Windows 8 system: When the " DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the pop-up window, then click "Setup.exe" to run the installation procedure.
• Windows 10/11 system: When the "DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the window, then click "Setup.exe" to run the installation procedure.

Note:• Some computers may be unable to auto play the CD beacase of system configuration. Please double click "Computer" icon, find "DVD RW driver", then double click "DVD RW driver" to run the installation procedure.

For macOS:

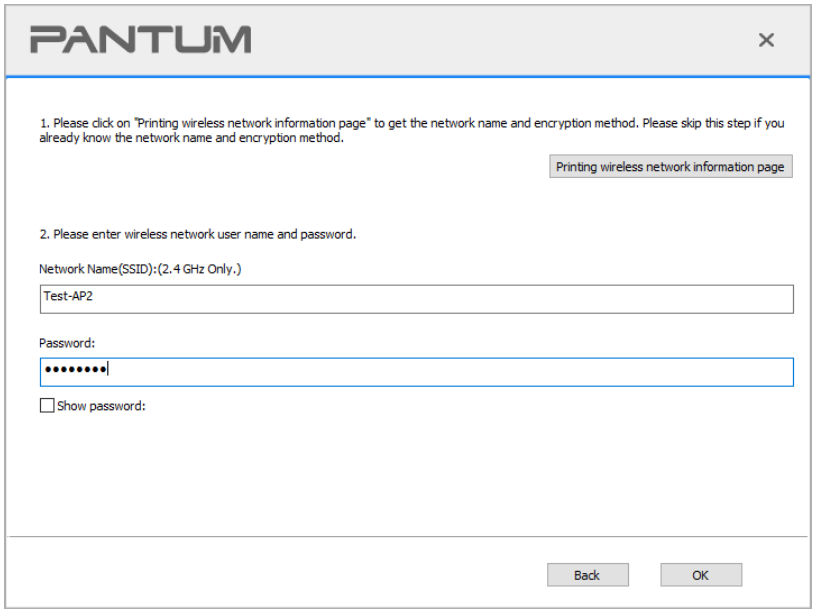
• Double-click on “Pantum XXX Series_Mac_Driver” – “Pantum Install Tool”. (The XXX in Pantum XXX Series refers to product model.)

4. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.
5. For Windows, follow Step 6. For macOS, enter PC password before proceeding to Step 6.
6. Click on “One-click installation” button under WiFi to install the driver.

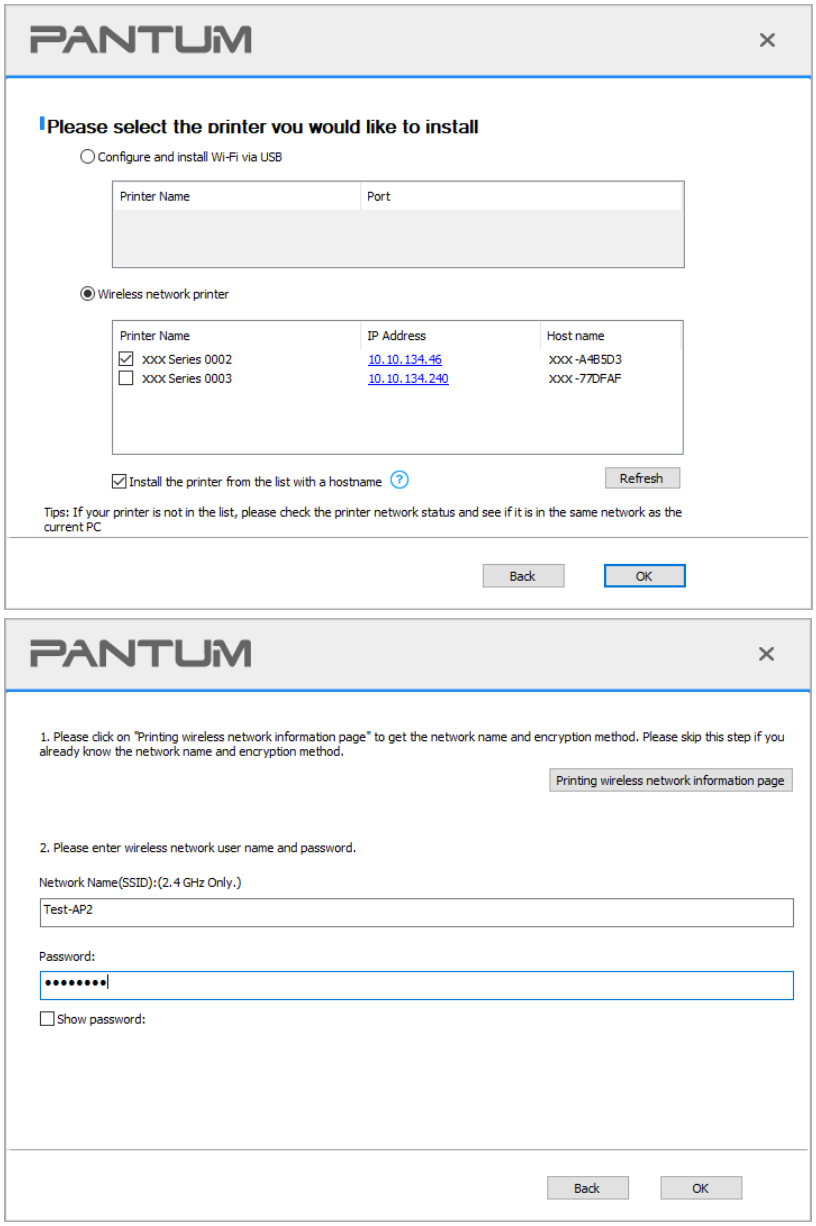


Note:• You can put your mouse cursor in the "One-click installation" button to check the popup information in order to confirm if the current printer is the one you need to install through IP address before you click the button.
• You can check the printer IP address through "Network configuration page" (Please see Section 9.4 for how to print).

• If the Install Tool finds only one printer, a wireless network configuration dialogue will pop up when you click on "One-click installation" under WiFi. Enter the SSID and password for the network you desire, click on "OK", and the setup will start. The setup may take a while, depending on your PC configuration. Please wait.



• If your software has searched more than one printers, the printer list interface will pop up.You need to configure the current printer which is connected via USB cable to wireless network and install driver. Please select "Configure the print via USB and install" on the printer list interface and check the USB printer option. Click the "Confirm" button, and the wireless network configuration interface will pop up. Input the wireless SSID and password that you need, then click "Confirm" button, and enter into installation process. The process may need some time, and the duration is related to your computer configuration, please wait patiently.



Note:• When the printer IP address changes under printer driver installed with host ID , you can also directly print without re-installing the driver. If you need to install the printer driver with the host ID, please check the option "Install the printer in the list with host ID".

7. After the installation, click "Print &Test Page" button. If your printer prints the test page successfully, it means that you have installed the driver correctly.

3.1.1.1.1.2. Connect computer to printer via WiFi direct and install the driver

Connect the computer to printer via a direct WiFi connection.It is applicable to wireless network without infrastructure mode, but it still needs scenario of temporary use of printer via wireless network. You can directly connect the computer that has wireless function to the printer to realize printing function.

1. Turn the power of printer and computer on.
2. Connect computer to the WiFi Direct network of the printer (please refer to Section 5.2.2 for setup method).
3. Place the attached installation CD in the computer CD-ROM:

For Windows:

• Windows XP system: automatically run the installation procedure.
• Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click “Setup.exe” to run the installation procedure.
• Windows 8 system: When the " DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the pop-up window, then click "Setup.exe" to run the installation procedure.
• Windows 10/11 system: When the "DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the window, then click "Setup.exe" to run the installation procedure.

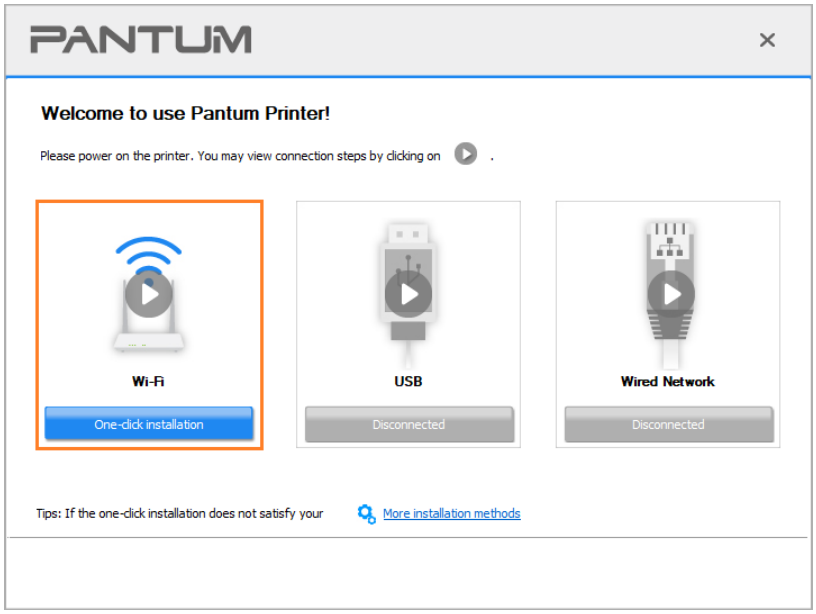
Note:• Some computers may be unable to auto play the CD beacase of system configuration. Please double click "Computer" icon, find "DVD RW driver", then double click "DVD RW driver" to run the installation procedure.

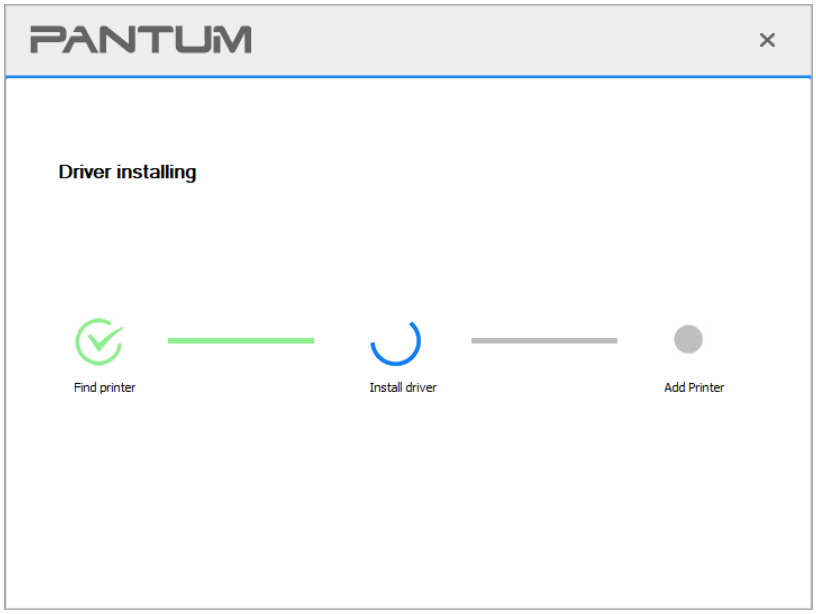
For macOS:

• Double-click on “Pantum XXX Series_Mac_Driver” – “Pantum Install Tool”. (The XXX in Pantum XXX Series refers to product model.)

4. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.
5. For Windows, follow Step 6. For macOS, enter PC password before proceeding to Step 6.

6. The setup will start when you click on "One-click installation" under WiFi. The setup may take a while, depending on your PC configuration. Please wait.





7. After the installation, click "Print &Test Page" button. If your printer prints the test page successfully, it means that you have installed the driver correctly.

3.1.1.1.2. The printer is already connected to wireless network

1. The printer is already connected to wireless network, you can print the "Network configuration page" to check.(See Section 9.4 to for how to print).
2. Connect the computer to printer network.
3. Place the attached installation CD in the computer CD-ROM:

For Windows:

• Windows XP system: automatically run the installation procedure.

• Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click “Setup.exe” to run the installation procedure.

• Windows 8 system: When the " DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the pop-up window, then click "Setup.exe" to run the installation procedure.

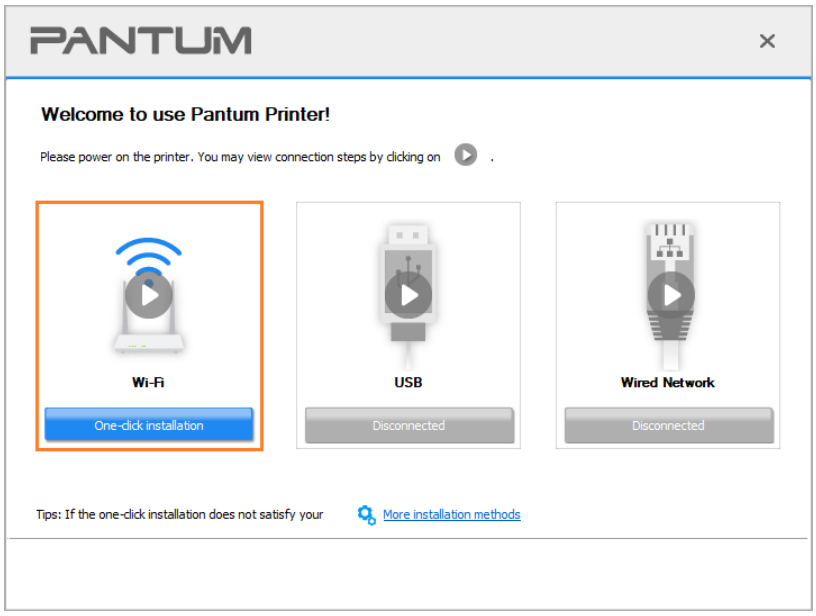
• Windows 10/11 system: When the "DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the window, then click "Setup.exe" to run the installation procedure.

Note:• Some computers may be unable to auto play the CD beacase of system configuration. Please double click "Computer" icon, find "DVD RW driver", then double click "DVD RW driver" to run the installation procedure.

For macOS:

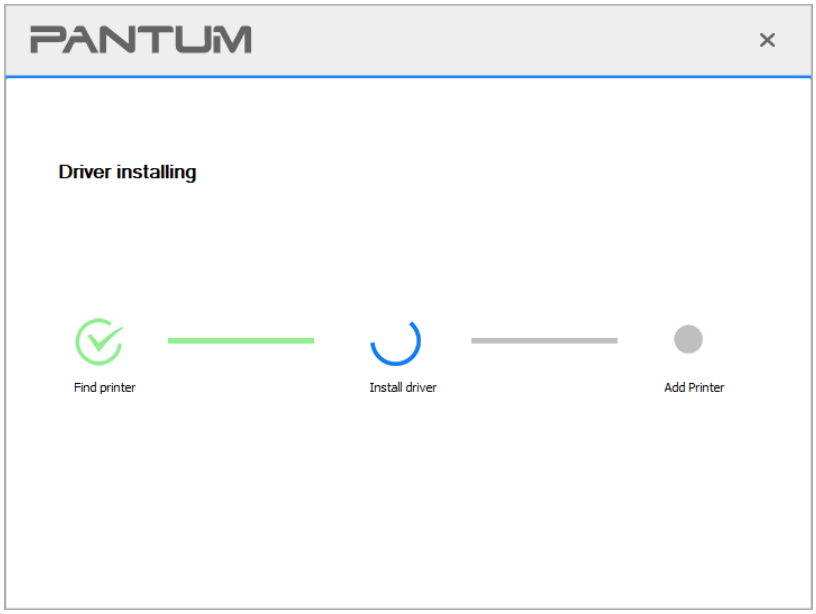
• Double-click on “Pantum XXX Series_Mac_Driver” – “Pantum Install Tool”. (The XXX in Pantum XXX Series refers to product model.)

4. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.
5. For Windows, follow Step 6. For macOS, enter PC password before proceeding to Step 6.
6. Click on “One-click installation” button under WiFi to install the driver.

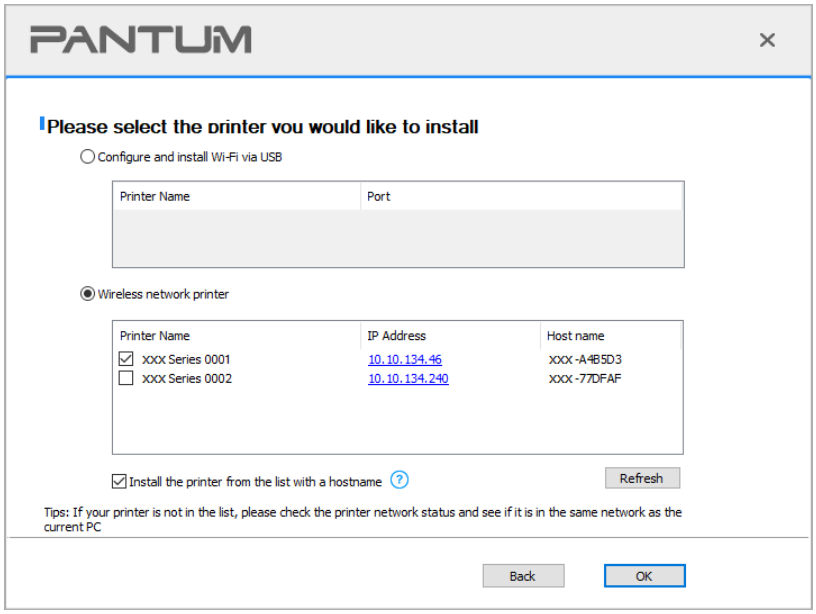


Note:• You can put your mouse cursor in the "One-click installation" button to check the popup information in order to confirm if the current printer is the one you need to install through IP address before you click the button.
• You can check the printer IP address through "Network configuration page" (Please see Section 9.4 for how to print)

• If the Install Tool finds only one printer, the setup will start when you click on "One-click installation" under WiFi. The setup may take a while, depending on your PC configuration. Please wait.



• If the Install Tool finds more than one printer, a printer list will pop up. Please select the printer you desire based on the IP Address of the wireless network for your printer or the Host Name.



Note:• If the printer you need is not shown in the list, please click "Refresh" button to search again. If it is not found, please check if the printer and computer are in the same network. (Please see Section 5.3 for how to check).

• When the printer IP address changes under printer driver installed with host ID, you can also directly print without re-installing the driver. If you need to install the printer driver with the host ID, please check the option "Install the printer in the list with host ID".

7. After the installation, click "Print &Test Page" button. If your printer prints the test page successfully, it means that you have installed the driver correctly.

3.1.1.2. Connect printer via USB cable

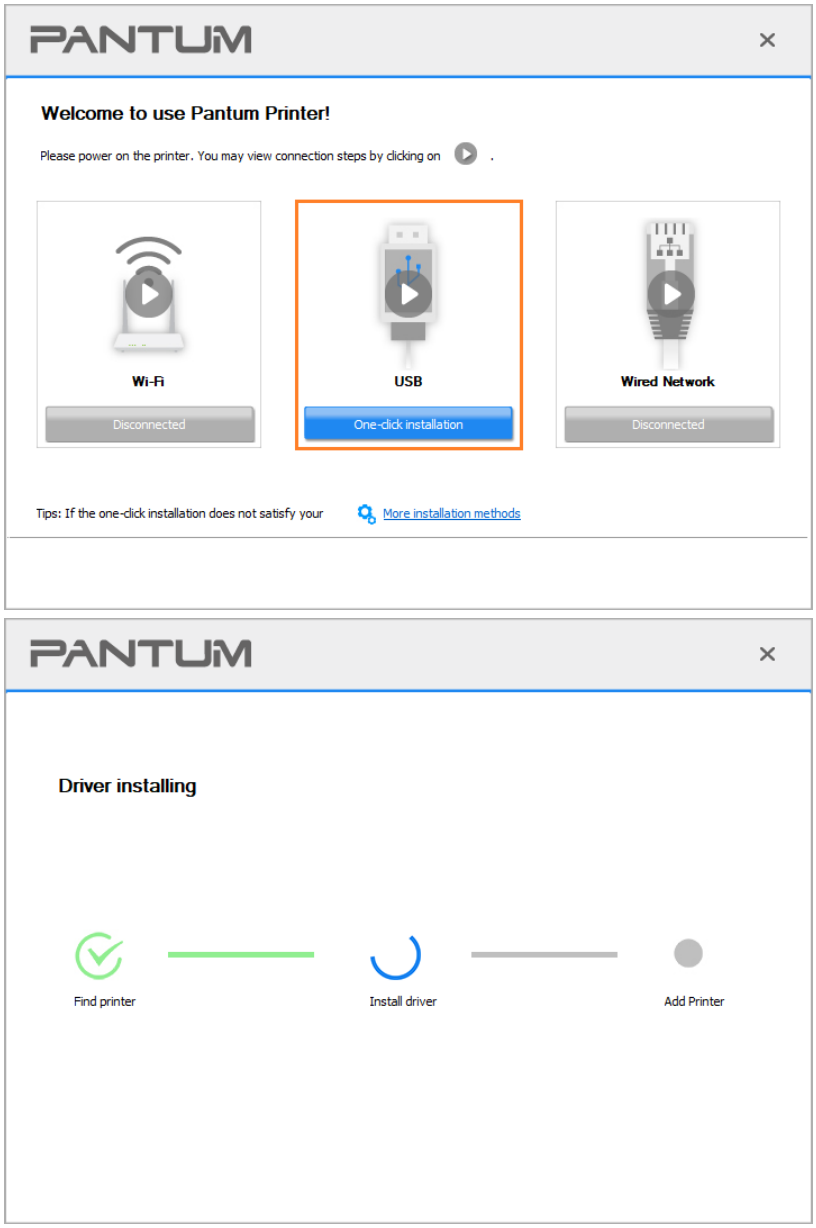
1. Connect the printer to computer via USB cable, power the printer and computer on.

2. Place the attached installation CD in the computer CD-ROM:
For Windows:
• Windows XP system: automatically run the installation procedure.
• Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click “Setup.exe” to run the installation procedure.
• Windows 8 system: When the " DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the pop-up window, then click "Setup.exe" to run the installation procedure.
• Windows 10/11 system: When the "DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the window, then click "Setup.exe" to run the installation procedure.

Note:• Some computers may be unable to auto play the CD beacase of system configuration. Please double click "Computer" icon, find "DVD RW driver", then double click "DVD RW driver" to run the installation procedure.

For macOS:
• Double-click on “Pantum XXX Series_Mac_Driver” – “Pantum Install Tool”. (The XXX in Pantum XXX Series refers to product model.)
3. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.
4. For Windows, follow Step 5. For macOS, enter PC password before proceeding to Step 5.

5. The setup will start when you click on "One-click installation" under USB. The setup may take a while, depending on your PC configuration. Please wait.



6. After the installation, click "Print &Test Page" button. If your printer prints the test page successfully, it means that you have installed the driver correctly.

3.1.2. More setup methods

3.1.2.1. More setup methods for Windows

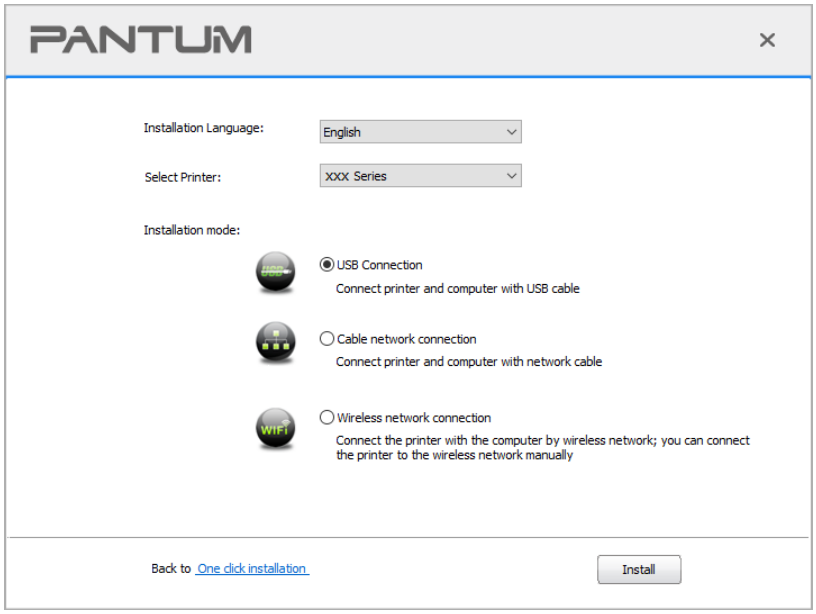
• Before installing the drive, you need to learn about printer model by printing printer information page out and check the product name (please refer to Section 9.4 for printing methods).

3.1.2.1.1. Installation via USB connection

1. Connect the printer to computer via USB cable, power the printer and computer on.
2. Place the attached installation CD in the computer CD-ROM:
• Windows XP system: automatically run the installation procedure.
• Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click “Setup.exe” to run the installation procedure.
• Windows 8 system: When the " DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the pop-up window, then click "Setup.exe" to run the installation procedure.
• Windows 10/11 system: When the "DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the window, then click "Setup.exe" to run the installation procedure.

Note:• Some computers may be unable to auto play the CD beacase of system configuration. Please double click "Computer" icon, find "DVD RW driver", then double click "DVD RW driver" to run the installation procedure.

3. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.
4. Click on “More setup methods” at the bottom of the setup interface for access.
5. Please select installation language and printer model.
6. Select "Connect via USB" and click on "Install".



7. The software installs the driver automatically and the installation process may need some time. The duration is related to your computer configuration, please wait patiently.
8. After the installation, click "Print &Test Page" button. If your printer prints the test page successfully, it means that you have installed the driver correctly.

3.1.2.1.2. Installation by wireless network connection mode(applicable to WiFi models)

Wireless network connection type is divided into basic structure mode and WiFi Direct mode (please refer to Section 5 for details).

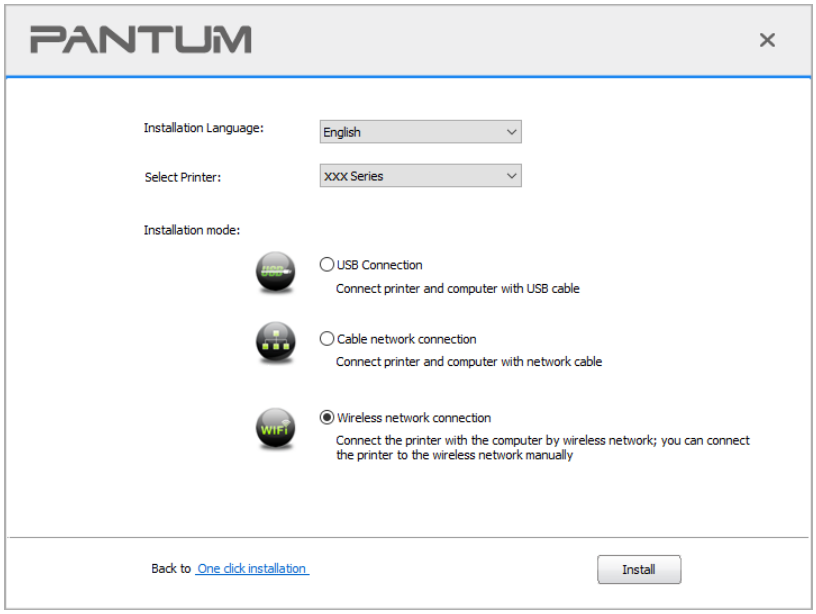
3.1.2.1.2.1. Installation in basic structure mode

1. Connect computer to access point (wireless router).
2. Connect the printer to computer via USB cable, then power the printer on.
3. Place the attached installation CD in the computer CD-ROM:
• Windows XP system: automatically run the installation procedure.
• Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click “Setup.exe” to run the installation procedure.
• Windows 8 system: When the " DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the pop-up window, then click "Setup.exe" to run the installation procedure.
• Windows 10/11 system: When the "DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the window, then click "Setup.exe" to run the installation procedure.

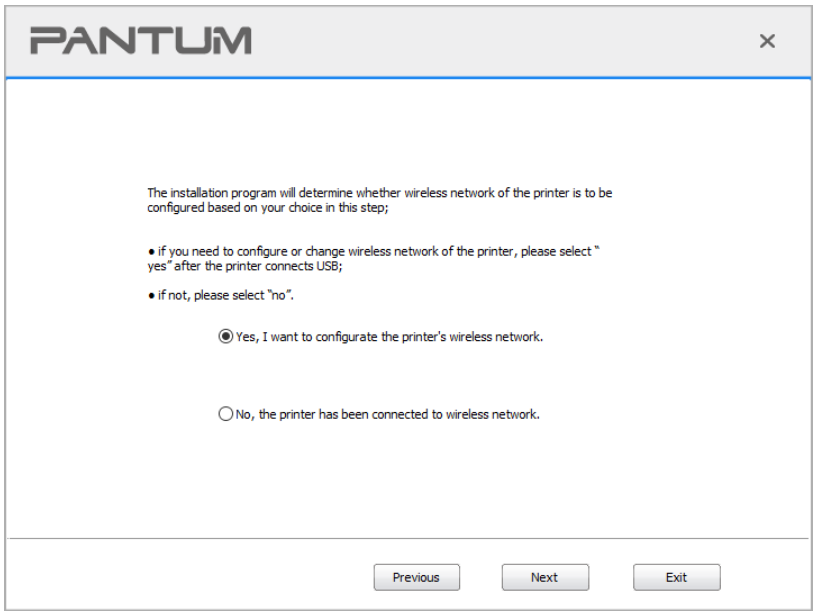
Note:• Some computers may be unable to auto play the CD beacase of system configuration. Please double click "Computer" icon, find "DVD RW driver", then double click "DVD RW driver" to run the installation procedure.

4. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.
5. Click on “More setup methods” at the bottom of the setup interface for access.
6. Please select installation language and printer model.

7. Select "Wireless network connection" and click on "Install".

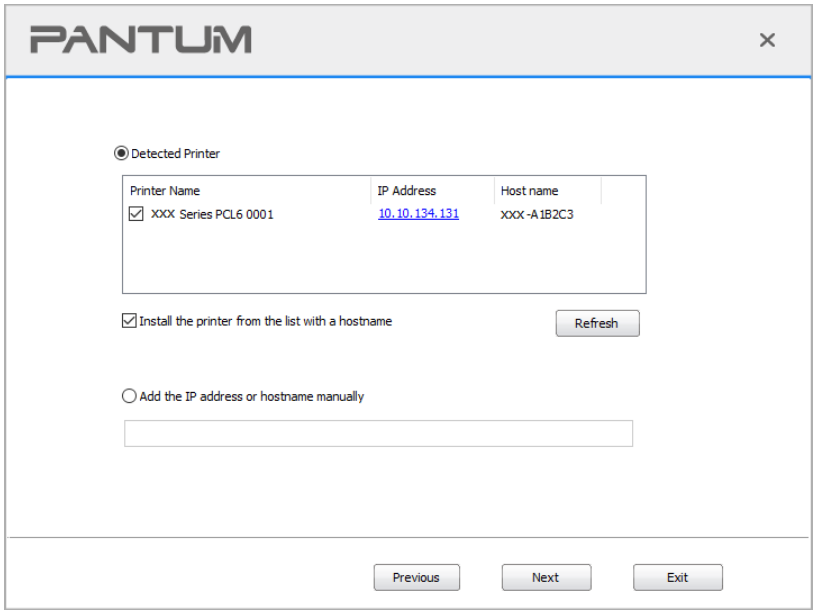


8. Select “Yes, I want to configurate the printer's wireless network” on the wireless setup window popped out, and operate according to the prompts to set up the printer to wireless network (please refer to Section 5.1.1 for setup method).



9. The installation software will search the printer automatically after wireless network is configured successfully. The search process may need some time.

10. Select the printer needs to be connected and click “Next”.



Note:• If the printer you need to connect is not in the list of printers searched, please click “Refresh” to search again.

• When the printer IP address changes under printer driver installed with host ID , you can also directly print without re-installing the driver. If you need to install the printer driver with the host ID, please check the option "Install the printer in the list with host ID".

• If IP address or host name is added manually, you need to know the IP address of the printer connected or host name. If they are not made clear, please print the “NetConf Pg” and view “IP Address” and “Host name” (Please refer to Section 9.4).

11. The software installs the driver automatically and the installation process may need some time. The duration is related to your computer configuration, please wait patiently.

12. After the installation, click "Print &Test Page" button. If your printer prints the test page successfully, it means that you have installed the driver correctly.

3.1.2.1.2.2. Installation in WiFi Direct mode

1. Turn the power of printer and computer on.

2. Connect computer to the WiFi Direct network of the printer (please refer to Section 5.2.2 for setup method).

3. Place the attached installation CD in the computer CD-ROM:

• Windows XP system: automatically run the installation procedure.

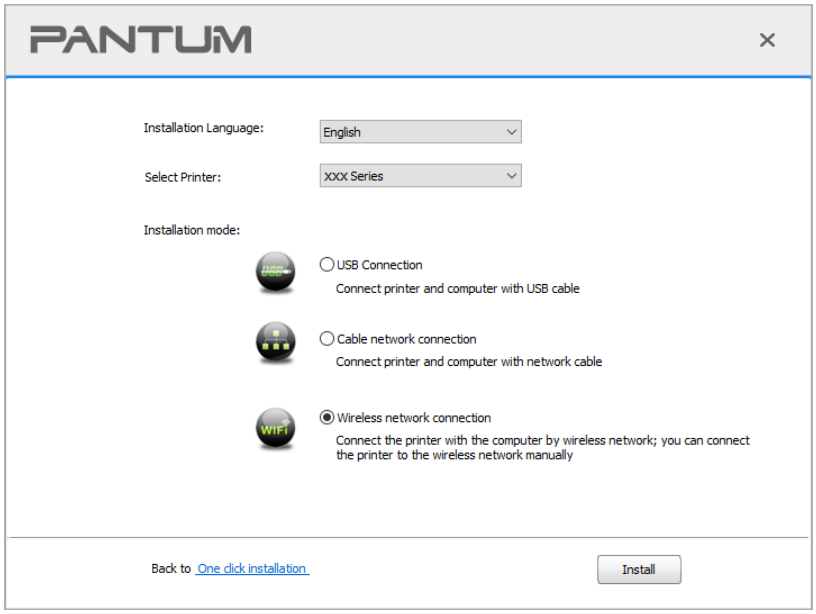
• Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click “Setup.exe” to run the installation procedure.

• Windows 8 system: When the " DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the pop-up window, then click "Setup.exe" to run the installation procedure.

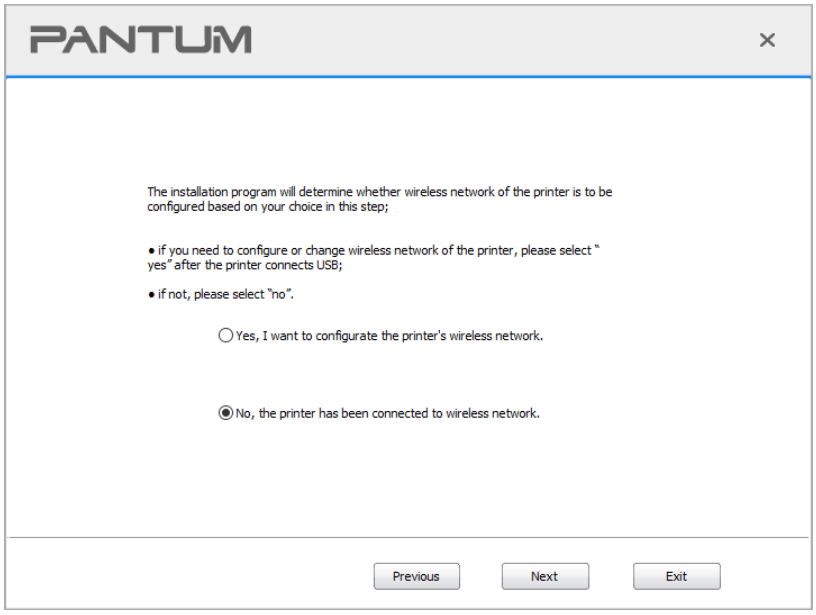
• Windows 10/11 system: When the "DVD RW driver" window pops up from the right top corner of computer desktop, click anywhere in the window, then click "Setup.exe" to run the installation procedure.

Note:• Some computers may be unable to auto play the CD beacase of system configuration. Please double click "Computer" icon, find "DVD RW driver", then double click "DVD RW driver" to run the installation procedure.

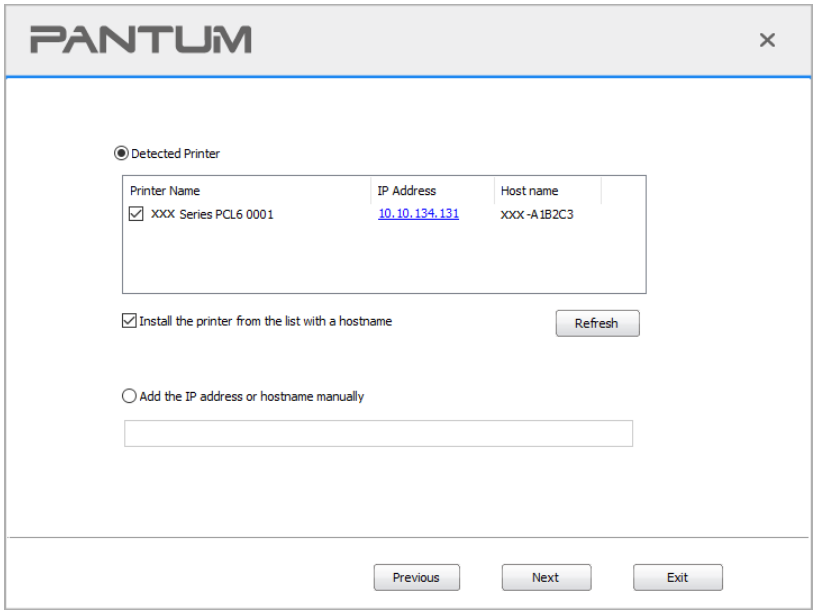
4. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.
5. Click on “More setup methods” at the bottom of the setup interface for access.
6. Please select installation language and printer model.
7. Select "Wireless network connection" and click on "Install".



8. Select “No, the printer has been connected to wireless network” on the wireless setup window popping out, and then click “Next”.



9. The installation software will search the printer automatically and the searching process may need some time.
10. Select the printer needs to be connected and click “Next”.



Note:• If the printer you need to connect is not in the list of printers searched, please click “Refresh” to search again.
• When the printer IP address changes under printer driver installed with host ID , you can also directly print without re-installing the driver. If you need to install the printer driver with the host ID, please check the option "Install the printer in the list with host ID".
• If IP address or host name is added manually, you need to know the IP address of the printer connected or host name. If they are not made clear, please print the “NetConf Pg” and view “IP Address” and “Host name” (Please refer to Section 9.4).

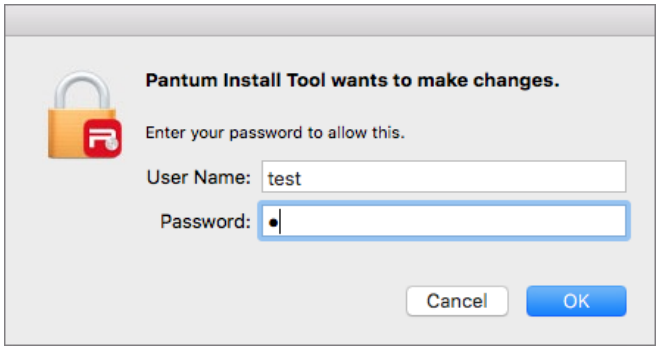
11. The software installs the driver automatically and the installation process may need some time. The duration is related to your computer configuration, please wait patiently.
12. After the installation, click "Print &Test Page" button. If your printer prints the test page successfully, it means that you have installed the driver correctly.

3.1.2.2. More setup methods for macOS

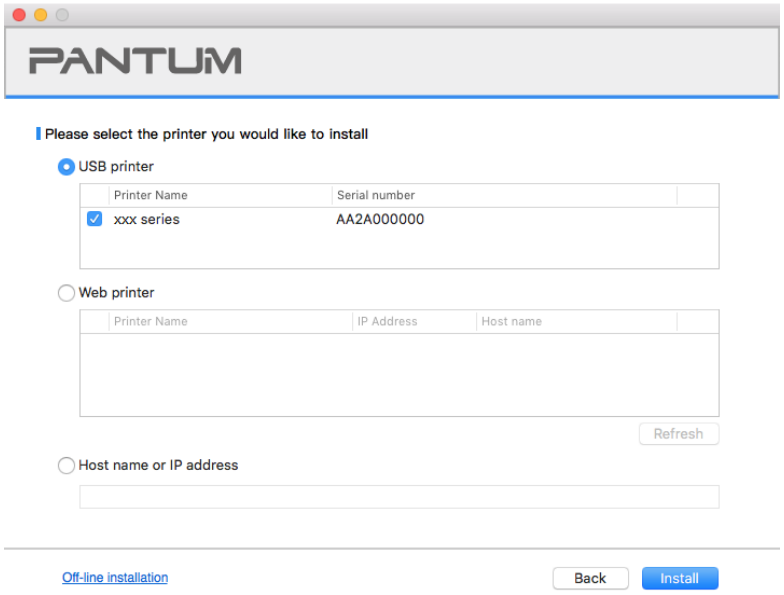
3.1.2.2.1. Install via USB cable

macOS 10.14 is taken as the example in the following operation. The information on your computer screen may differ because of multiple operating systems.
1. Turn the power of printer and computer on.
2. Insert the setup CD supplied in the CD-ROM of the PC, and double-click on "Pantum XXX Series_Mac_Driver" – "Pantum Install Tool". (The XXX in Pantum XXX Series refers to product model.)
3. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.

4. Enter the password of the PC, and click on “OK”.



5. Click on “More setup methods” at the bottom of the setup interface for access.
6. Select a USB printer from the search results.

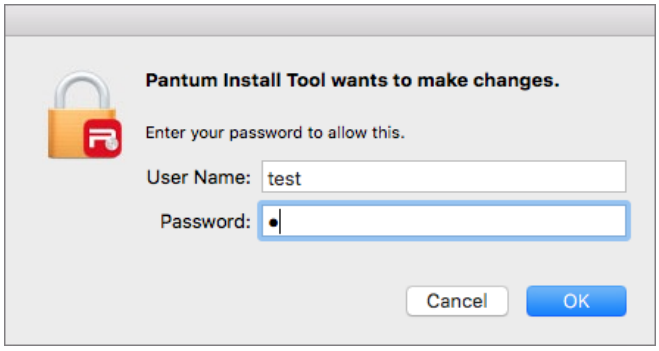


7. Click on “Install” on the lower right.
8. The software installs the driver automatically and the installation process may need some time. The duration is related to your computer configuration, please wait patiently.
9. After the installation, click "Print &Test Page" button. If your printer prints the test page successfully, it means that you have installed the driver correctly.

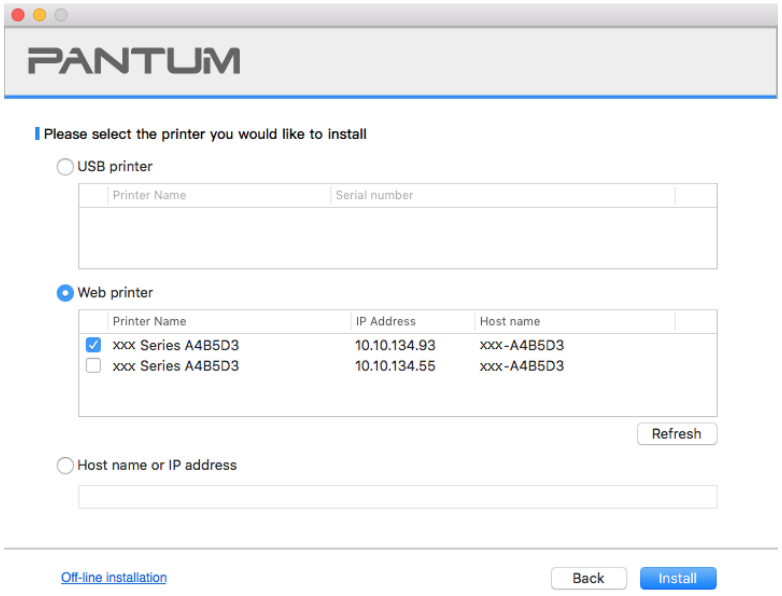
3.1.2.2.2. Install as a network printer

1. Turn the power of printer and computer on.
2. Connect the PC to the network.
3. Make sure the printer is connected to the same network as the PC (See Section 4 or 5 to learn how to configure the network).
4. Insert the setup CD supplied in the CD-ROM of the PC, and double-click on "Pantum XXX Series_Mac_Driver" – "Pantum Install Tool". (The XXX in Pantum XXX Series refers to product model.)
5. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.

6. Enter the password of the PC, and click on “OK”.



7. Click on “More setup methods” at the bottom of the setup interface for access.
8. Select a network printer from the search results.
9. Click on “Install” on the lower right.



Note:• If the printer you need to connect is not in the list of printers searched, please click “Refresh” to search again.

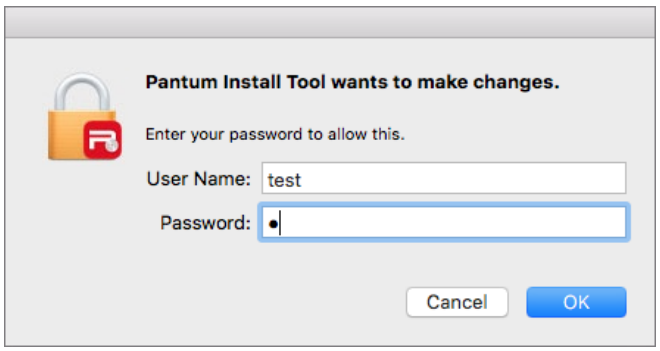
• When the printer IP address changes under printer driver installed with host ID , you can also directly print without re-installing the driver. If you need to install the printer driver with the host ID, please check the option "Install the printer in the list with host ID".

• If IP address or host name is added manually, you need to know the IP address of the printer connected or host name. If they are not made clear, please print the “NetConf Pg” and view “IP Address” and “Host name” (Please refer to Section 9.4).

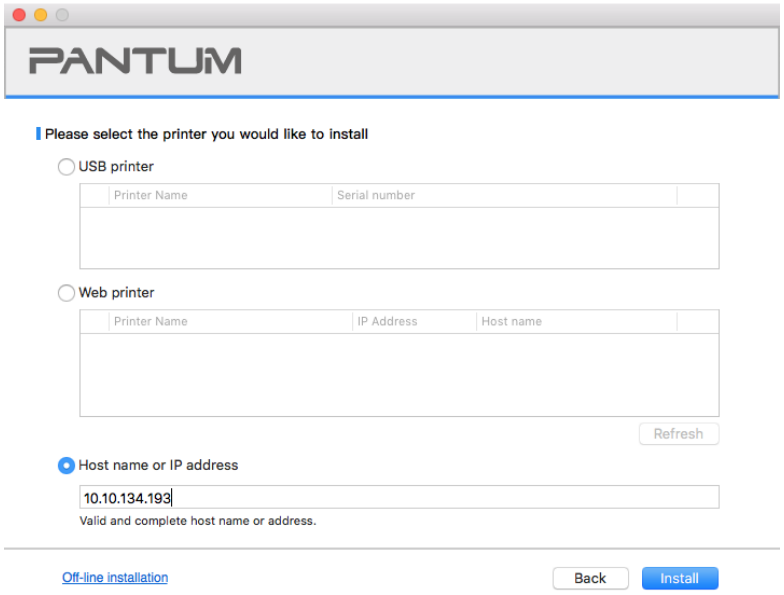
10. The software installs the driver automatically and the installation process may need some time. The duration is related to your computer configuration, please wait patiently.
11. After the installation, click "Print &Test Page" button. If your printer prints the test page successfully, it means that you have installed the driver correctly.

3.1.2.2.3. Install via Host Name or IP Address

1. Turn the power of printer and computer on.
2. Connect the PC to the network.
3. Make sure the printer is connected to the same network as the PC (See Section 4 or 5 to learn how to configure the network).
4. Insert the setup CD supplied in the CD-ROM of the PC, and double-click on "Pantum XXX Series_Mac_Driver" – "Pantum Install Tool". (The XXX in Pantum XXX Series refers to product model.)
5. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.
6. Enter the password of the PC, and click on “OK”.



7. Click on “More setup methods” at the bottom of the setup interface for access.
8. Select Host Name or IP Address, and enter the Host Name or IP address of the printer you wish to add.
9. Click on “Install” on the lower right.



Note:• If the printer you need to connect is not in the list of printers searched, please click “Refresh” to search again.

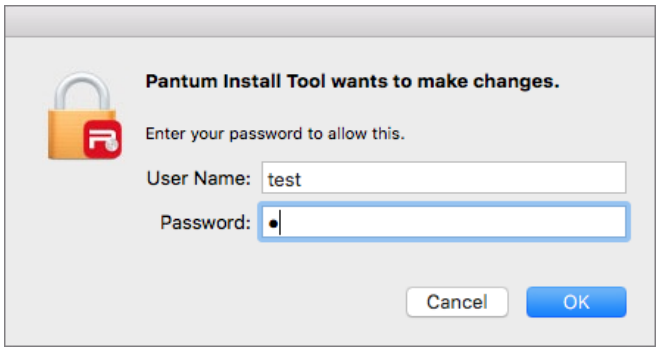
• When the printer IP address changes under printer driver installed with host ID , you can also directly print without re-installing the driver. If you need to install the printer driver with the host ID, please check the option "Install the printer in the list with host ID".

• If IP address or host name is added manually, you need to know the IP address of the printer connected or host name. If they are not made clear, please print the “NetConf Pg” and view “IP Address” and “Host name” (Please refer to Section 9.4).

10. The software installs the driver automatically and the installation process may need some time. The duration is related to your computer configuration, please wait patiently.
11. After the installation, click "Print &Test Page" button. If your printer prints the test page successfully, it means that you have installed the driver correctly.

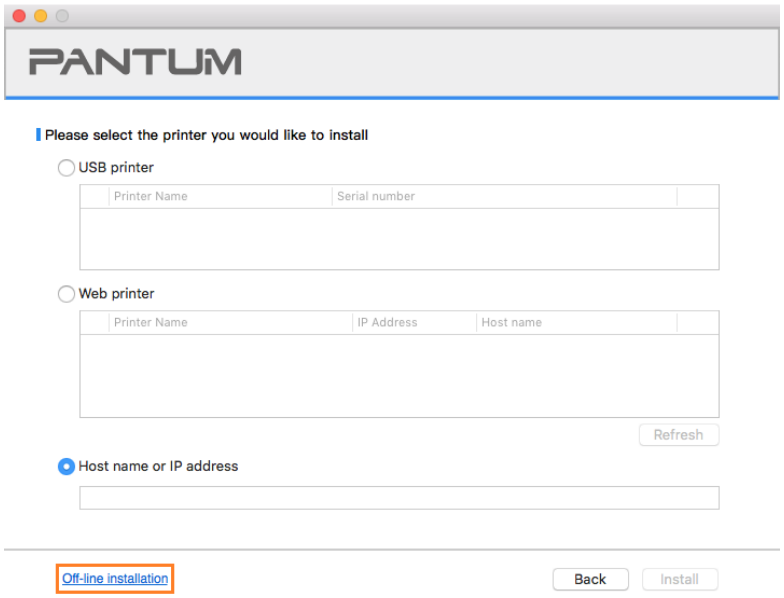
3.1.2.2.4. Off-line Install

1. Turn the power of printer and computer on.
2. Insert the setup CD supplied in the CD-ROM of the PC, and double-click on "Pantum XXX Series_Mac_Driver" – "Pantum Install Tool". (The XXX in Pantum XXX Series refers to product model.)
3. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the “Next” button in the lower right corner of the interface to enter the driver installation interface.
4. Enter the password of the PC, and click on “OK”.



5. Click on “More setup methods” at the bottom of the setup interface for access.

6. Click on "Off-line installation" on the lower left.



7. The software installs the driver automatically and the installation process may need some time. The duration is related to your computer configuration, please wait patiently.
8. Install complete. Please finish printer adding as guided or refer to Section 3.1.2.2.4.1.

3.1.2.2.4.1. Add printer to macOS system

I. Add up the printer via USB

1. Connect the printer to computer with USB cable and then turn power on.
2. Enter the “System Preferences” – “Printers & Scanners” of computer.
3. Click + button to select “Add Printer or Scanner”.
4. Select printer and then select the corresponding printer mode from the “Use” menu popping out.
5. Click “Add”.

II. Add up the printer via wireless connection(applicable to WiFi models)

1. Turn the power of printer and computer on.
2. Make sure the wireless network connection between computer and printer is set up.

Note:• In case of basic structure mode, connect wireless network printer to the access point (wireless router). Please refer to Section 5.1 for connection method.
• In case of WiFi Direct mode, connect wireless client to wireless network printer directly. Please refer to Section 5.2 for connection methods.

3. Enter the “System Preferences” – “Printers & Scanners” of computer.
4. Click + button to select “Add Printer or Scanner”.
5. Select printer and then select the corresponding printer mode from the “Use” menu popping out.
6. Click “Add”.

3.2. Uninstall Driver

3.2.1. Method to uninstall driver under Windows

Windows 7 is taken as the example in the following operation. The information on your computer screen may differ because of multiple operating systems.

1. Click the Start menu of computer and then click All programs.
2. Click Pantum, and then Click Pantum XXX Series.

Pantum XXX Series where XXX represents product model.

3. Click uninstall to delete the driver according to instructions on uninstall window.
4. Restart computer after finishing unloading.

3.2.2. Method to uninstall driver under macOS

macOS10.14 is taken as the example in the following operation. The information on your computer screen may differ because of multiple operating systems.

1. Click "Go" - "Applications" - "Pantum" - "Utilities" - "Pantum Un-install Tool".
2. Delete the driver as instructed in the pop-up Uninstall window.
3. Uninstall complete.

4. Wired network setup (applicable to wired network models)

In case printers support wired network printing, they can be connected to network to control printer to print in wired network mode.

4.1. Set IP Address

The IP address of the printer may be automatically obtained through DHCP function or set manually.

4.1.1. Automatic Setting

DHCP automatic setting function is enabled by default on the printer.
1.Connect the printer to the network through a network cable and complete the startup preparation work.
2. The printer will receive the IP address assigned by server automatically. It may take server minutes to receive IP address under the influence of network environment.
You can check the IP address of printer by printing "Network setup page" out (please refer to Chapter 9.4 for printing method) or check network information by viewing the control panel of printer (please refer to Chapter 9.3 for viewing methods). If the IP address is not listed, please check network environment and then try again after waiting for several minutes.

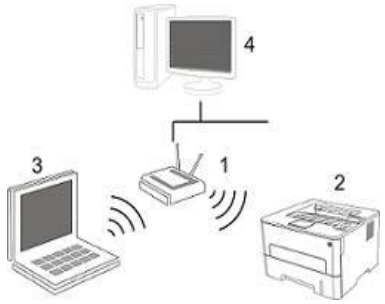
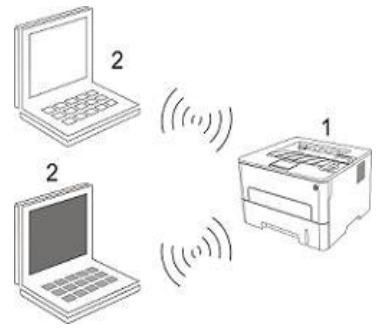
Note: • If DHCP server fails to assign IP address automatically, the printer will get the link-local address assigned by printer automatically: 169.254.xxx.xxx.

4.1.2. Manual Setting

To set up IP address for printer through the control panel of printer manually, please refer to Chapter 9.2 for details.
To set up IP address for printer through the embedded Web server manually, please refer to Chapter 6.2.1 for details.

5. Wireless network setup (applicable to WiFi models)

Wireless network connection type is divided into basic structure mode and WiFi Direct mode. If you have problems with wireless network setup, please refer to Chapter 5.3 Wireless Network Setup FAQs.

	Basic structure mode: connecting to a wireless device via router 1. Access point (wireless router) 2. Wireless network printer 3. Computer connecting to access point via wireless network 4. Computer connecting to access point via network cable
	WiFi Direct mode: wireless client is connecting to a printer with WiFi function 1. Wireless network printer 2. Wireless client is directly connecting to a wireless network printer

5.1. Basic structure mode

You can connect a computer to your printer via access point (wireless router) as the medium. Important: Before wireless network installation, you must learn about the service set identifier (SSID) and password of your access point in order to use them during wireless network setup. If they cannot be determined, please consult your network administrator or access point (wireless router) manufacturer.

5.1.1. Wireless network setup tools

If your computer has been installed with a driver and had been connected to wireless network, but the wireless network was changed, you can set it again with wireless network setup tools.

5.1.1.1. Preliminary preparations

1. Access point (wireless router).
2. A computer that has been connected to network.
3. A printer that has wireless network function.

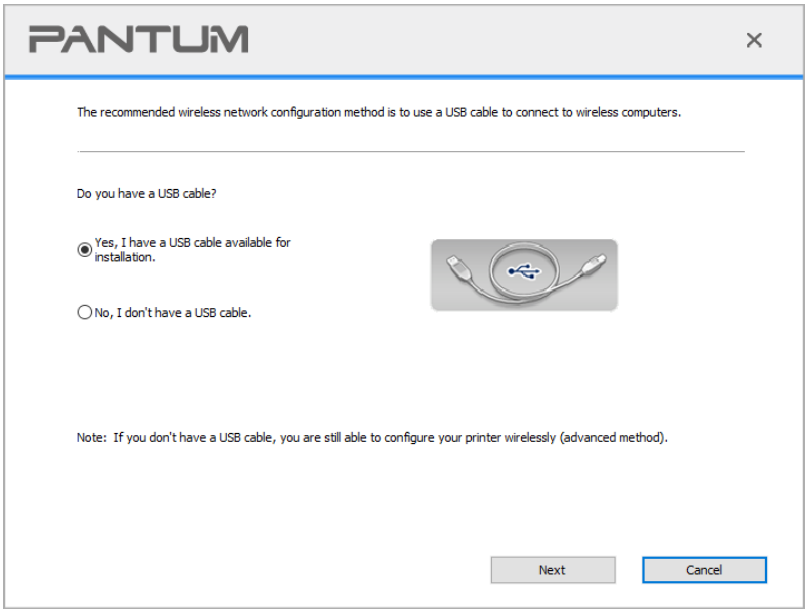
5.1.1.2. Setup methods of wireless network setup tools

1. Take the wireless network setup tool in computer.

1) Windows system: Click the “Start menu” – “All programs” - “Pantum”— Product name – “Wireless network setup tool”.

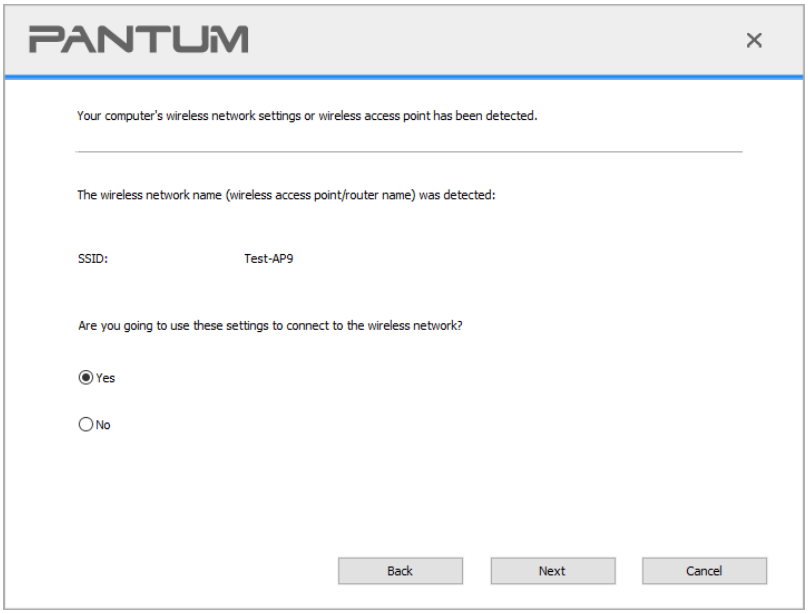
2) macOS system: click "Go" - "Applications" - "Pantum" - "Utilities" - "Wireless Network Configuration Tool" on the computer Finder menu bar.

2. Use USB cable to connect and configure. Select "Yes, I have an USB cable that can be used for installation" in the following interface. Click "Next".



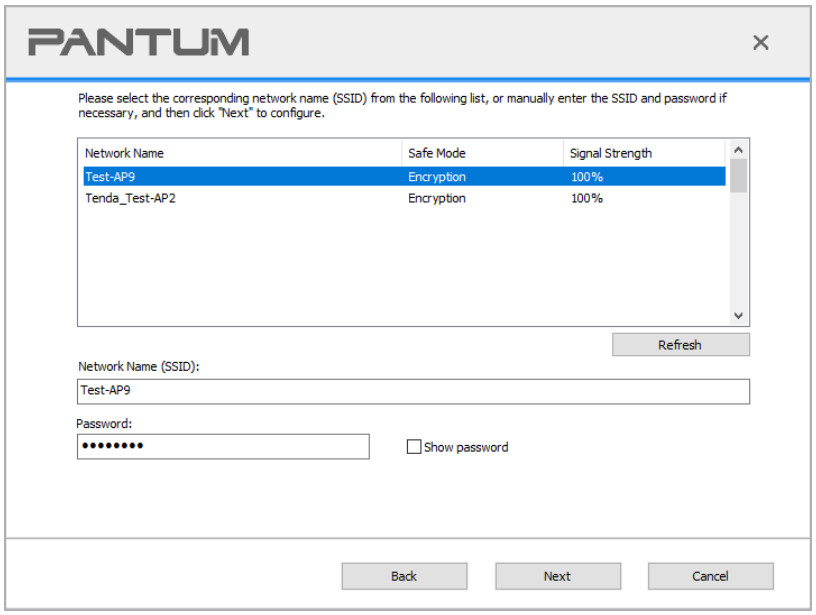
2.1 The computer has been connected to wireless network.

1) The currently wireless network currently connected to computer is selected as wireless network configuration tool by default. Complete configuration according to interface prompt.



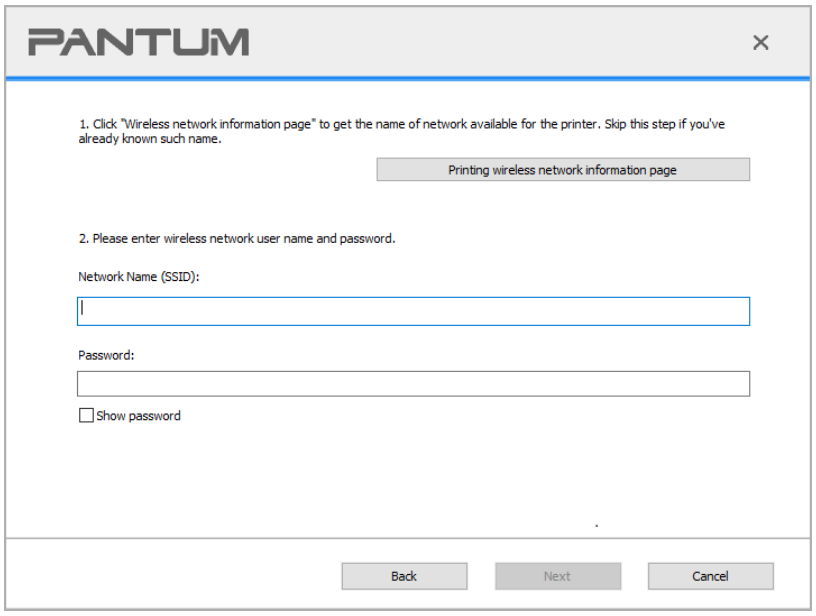
Note: • The SSID you selected should be consistent with the SSID of access point (wireless router) connected to your computer.

2) Please tick “No” to configure other wireless network needed to connect to. Complete configuration according to interface prompt.



Note: • The display password is not ticked by default; if it is ticked, all passwords input can be seen in clear text.
• Some models can automatically match the encryption method, no manual selection is required.

2.2 The computer is not connected to wireless network Input the SSID (case sensitive) and password of access point (wireless router) in the interface below. Complete configuration according to interface prompt.



Note: • If you do not know the SSID of access point (wireless router), please click “Print Wireless Network Information Page” to view the SSID of the needed access point (wireless router).
• If the printer cannot be used normally after wireless network setup is finished, please install the drive again.

5.1.2. How to disable the WiFi network connected

Connect the wireless network in infrastructure mode by the steps above. If connected, the WiFi light on the control panel is normally on. Press and hold this button for more than 2s to disconnect from WiFi network (WiFi light will be off).

5.2. WiFi Direct mode

You can connect wireless client (including the computer and mobile device with wireless network feature) to wireless network printer without using the access point (wireless router).

5.2.1. Preliminary preparations

1. Printer with the WiFi Direct feature.
2. Wireless client (including computer and mobile device with wireless network feature).

5.2.2. WiFi Direct connection

1. Turn on printer power.
2. Enable WiFi Direct function of the printer.Short press “WiFi” button on the panel to enable WiFi Direct function of the printer.

Note: • Short press "WiFi" button on the printer panel to automatically print out "Mobile Device WiFi Connection Wizard" page for WiFi connection by mobile devices.

3. Press the “Menu key” – “Network Info” – “WiFi dir. Info” on control panel of printer to view "SSID" and "Password".
4. Turn on the computer or mobile device with wireless network function; select the SSID of WiFi Direct and input password to connect.

5.2.3. How to disable the WiFi Direct

1. Turn on printer power.
2. Press "Menu", "Network Set", "WiFi Direct" and then "Off" on the printer's control panel to disable WiFi Direct.

5.3. Wireless network setup FAQs

1. The printer is not found.

• If the power of computer, access point (wireless router) or printer is turned on.

• If the computer is connected to printer with USB cable.

• If the printer supports wireless network connection.

2. SSID cannot be found when network is connected

• Inspect if the power switch of access point (wireless router) is turned on.

• The printer cannot find the SSID of the access point (wireless router) you need to connect, please check the SSID of access point and try to connect again.

• Every time when the setup of access point (wireless router) is changed, you must set up the wireless network of printer again.

3. Connection failure

• Please inspect if the safe mode and password of access point (wireless router) and printer is correct.

• Inspect the wireless receiving around printer. Signal receiving may be affected if the router is away from the printer or there is an obstacle between them.

• Turn the power of access point (wireless router) and printer off and then restart them and set up.

4. The following aspects should be inspected if the printer has problems while they are used in network:

• Inspect if the firewall software blocks communication. If the computer and printer are connected in the same network but they cannot be searched, the communication might be blocked by firewall software. Please refer to the user guide of firewall software to turn firewall off and then try to search the printer again.

• Inspect if the IP address assignment of printer is correct. You can inspect IP address by printing the network setup information page of printer out.

• Please refer to the following steps to check if printer and computer are in the same network:

1) Select "Command prompt" as shown below.

a. Windows 8/10 system：Select "Search" button in the Start Menu and input "Command prompt"in search bar，then press the "Enter”button in the keyboard.

b. Windows 7/Vista/XP system：click "Start" menu-"All procedures"-"Attachment"-"Command prompt ".

2) Input ping and your printer IP address in popup window, and press "Enter" button.

For example: ping XXX.XXX.XXX.XXX(“XXX.XXX.XXX.XXX” is printer IP address)

3) If RTT is indicated in the window, that is to say your printer and computer are in the same network.If RTT is not indicated in the window, please refer to Chapter 5 to re-configure the printer wireless network.



Note: • Please refer to the user guide or consult the manufacturer for information related to access point (wireless router).

6. Web server

You can manage printer setup via the embedded Web server.

Note: • Some functions are not available depending on different printer models. If you have any questions, please contact the Customer Service.

6.1. Visit the embedded Web server

1. Turn on the power of printer and computer.
2. Connect the printer to network to ensure that the printer is connected to the network where the computer is connected to (please refer to Chapter 4 or Chapter 5 for network setup method).
3. Input the IP address of printer in the address bar of Web browser to visit the Web server imbedded in printer.
View the IP address of printer via control panel (please refer to Chapter 9.3) or print the “Network setup page” out to view the IP Address of printer (please refer to Chapter 9.4).

Note: • Windows users are suggested to use Microsoft Internet Explorer 8.0 (or higher version) or Firefox 1.0 (or higher version), Mac users are suggested to use Safari 4.0 (or higher version). No matter what kind of browser you are suing, please ensure that JavaScript and Cookies are always enabled. Please ensure compatibility with HTTP 1.0 and HTTP 1.1 when other network browsers are used.
• If the computer cannot visit the Web server embedded in printer, then your computer and printer may be connected to different networks. Please inspect your network environment or consult your network administrator.

4. Click “Log in” option, input user name and password (the default user name is admin and the initial password is 000000) and click “Log in”.

Note: • For safety reasons, you are suggested to change the default password, which can be finished in the “User Management” interface.

6.2. Use Web server to manage printer

You can use the embedded Web server to manage printer.
1. View the basic information including product name, printer state and ink cartridge of printer.
2. Set up the network protocol parameters supported by printer.
3. Set up the wireless network connection of printer, and turn on/off wireless network and WiFi Direct function.
4. Set up mail server client and acquire printer state via E-mail notification.

6.2.1. IP address setup

You need to connect your printer to network before IP address setup.
1. For wireless network models, the printer can be connected to wireless network via wireless network setup tools

6.2.1.1. IPv6 setup

1. Turn on printer power to connect printer to network.
2. Log in the embedded Web server (please refer to Chapter 6.1 for login method).
3. Click “Settings” – “Network settings” – “Protocol Settings” – “IPv6”.
4. Tick “Enable IPv6 protocol” and “Enable DHCPv6” (ticked by default) and then click “Apply”.



Note: The printer supports using the following IPv6 addresses for network printing and management.
• IPv6 local-link address: local IPv6 address set up by oneself (addresses beginning with FE80).
• Stateful address: IPv6 address set up by DHCPv6 server (if there is no DHCPv6 server in network, the “Stateful Address” cannot be assigned).
• Stateless address: IPv6 address set up by network router automatically (please refer to Chapter 9.4 and print “Network setup page” view IPv6 address).

6.2.2. SNMP protocol setup

You can set the SNMP protocol through the SNMP interface to improve the network information security of the printer.

1. Turn on printer power to connect printer to network.
2. Log in the embedded Web server (please refer to Chapter 6.1 for login method).
3. Click “Setup” – “Network Setup” – “SNMP”.
4. Check relevant SNMP protocols as needed, click “Apply”.

Note:The SNMP protocol can improve the efficiency of network management, receive notification messages and warning event reports from network nodes, and help you discover and solve network issues in a timely manner.

• Enable SNMP v1/v2 protocol:

①Your printer may be at risk of unsafe network environment, please use it with caution!

• Disable SNMP v1/v2 protocol:

①The printer may not work properly because the driver installation fails. Please download the latest driver for this printer on the official website.

②Third-party software may not be able to obtain the SNMP status information of the printer, please use it with caution!

6.2.3. Wireless setup

You can set up the wireless network, wireless IP setup, WiFi Direct and WPS via wireless setup page. Before setup, please log in the embedded Web server (please refer to Chapter 6.1 for login method).

6.2.3.1. Wireless network

1. Click “Settings” – “Network settings” – “Wireless setup” – “Wireless Network”.

1) If you need to set up wireless network, please click the SSID of access point (wireless router) in search list, input secret key and click “Apply”.

6.2.3.2. Wireless IP setup

Only when the wireless network of printer is turned on, the Wireless IP Configuration can be displayed on Web server.

1. Click “Settings” – “Network settings” – “Wireless setup” – “Wireless IP Configuration”.

1) DHCPv4 is ticked by default. If IP address needs to be set up manually, please cancel the DHCPv4 checkbox ticked and input the “IPv4 Address”, “Subnet Mask” and “Gateway Address” that you need to set up and then click “Apply”.

6.2.3.3. WiFi Direct setup

1. Click “Settings” – “Network settings” – “Wireless setup” – “WiFi Direct”.

6.2.4. Machine setup

You can add mail address contacts, set up e-mail notification, set up sleep time and recover factory settings via machine setup page.

6.2.4.1. Set up e-mail notification

If you set up e-mail notification, an e-mail will be sent to the mail address specified by you when abnormality such as paper out occurs. You can receive emails only if you made correct email setup. Please consult your network administrator for detailed setup steps. You need to log in the embedded Web server before setting up email notification (please refer to Chapter 6.1 for login method).

I. Set up SMTP client

1. Click “Settings” – “Network settings” – “Protocol Settings” – “SMTP”.
2. On SMTP page, input SMTP server address, set up the mailbox login name and password and then click “Apply”.

II. Add recipient address

1. Click “Settings” – “Machine settings” – “Address Book” .
2. Click “Add”, input recipient address and then click “Apply”.

III. Set up email notification

1. Click “Settings” – “Machine settings” – “E-mail Notification”.
2. Click  button and select the email addresses you want to add in the list of contacts popping out.

You can also tick “address X” (such as address 1) and input the email addresses you want to add.

3. Tick the email addresses and notification contents you want to notify and then click “Apply”.

6.2.4.2. Sleep time setup

1. Log in the embedded Web server (please refer to Chapter 6.1 for login method).
2. Click “Settings” – “Machine settings” – “System”.
3. Select sleep time according to you need and then click “Apply”.

6.2.5. Recover factory settings via Web server

1. Log in the embedded Web server (please refer to Chapter 6.1 for login method).
2. Click “User Management” and then click “Restore to Factory Settings” to recover factory settings. The printer will restart automatically after factory settings recovery is finished.

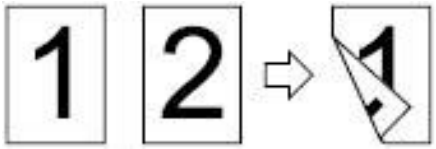
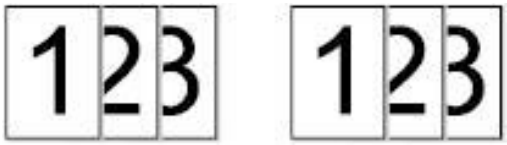
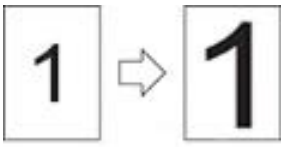
Note: • After factory settings of printer are recovered, user name of the administrator will be recovered to admin and the login password will be recovered to 000000.

• You can also recover factory settings via keys on the control panel of printer, please refer to Chapter 9.1.5.

7. Print

7.1. Print Function

You can set the print function through "Start"-"Devices and Printers"- select corresponding printer- right click – set print function in "Printing preferences". Some functions are as follows:

Functions	Diagram
Automatic Two-Sided Printing	
Collate Print	
Reverse Print	
N-in-1	
Poster Print(for Windows Operation System only)	
Zoom Print	
Custom Size	

Note:• Windows 7 is taken as example in the above description.

• You can realize poster printing feature by selecting 2x2 poster printing in multipage.

• You can enable printing preference and click the help button to view detailed function description. Please refer to Chapter 7.9 for the method to open help document.

7.2. Print Settings

You can set up printing parameters with the following two methods before sending printing work (such as paper type, paper size and paper source).

Operating system	Temporary printing setup change	Permanent default setup change
Windows 7	1. Click “File” menu – “Print” – “Select printer" - “Printer properties” (the detailed steps may differ because of multiple operating systems).	1. Click “Start” menu- “Control Panel” – “Devices and Printers”. 2. Right click on the printer icon, select “Printing preference” and then change setup and save it.
macOS	1. Click “File” menu – “Print”. 2. Change setup in the window popping out.	1. Click “File” menu – “Print”. 2. Change setup in the window popping out and click to save the preset. (Select preset every time before printing, or print according to default setup.)

Note: • Priority of App setup is senior to printer setup.

7.3. Cancel printing

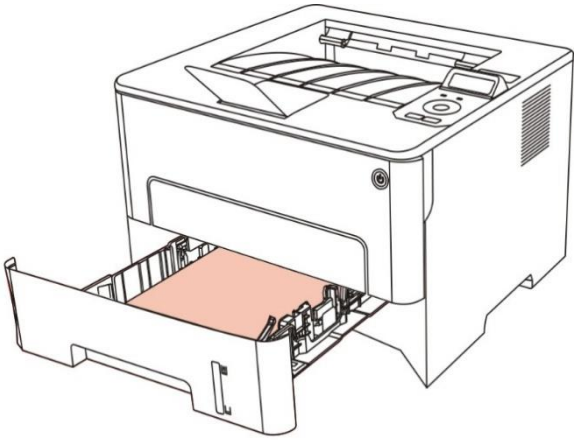
The current printing work can be cancelled in printing process. As for printers with LCD control panel, the current printing work can be cancelled by pressing “Cancel”; as for printers with LED control panel, the current printing work can be cancelled by pressing the “Cancel” key for more than 2s.

7.4. Printing Mode

The printer can print with auto feed tray and manual feed tray. The defaulted state is auto selection, and if there is printing medium in the manual feed box, papers in manual feed tray will be used with priority.

7.4.1. Printing with the Automatic Feeder Tray

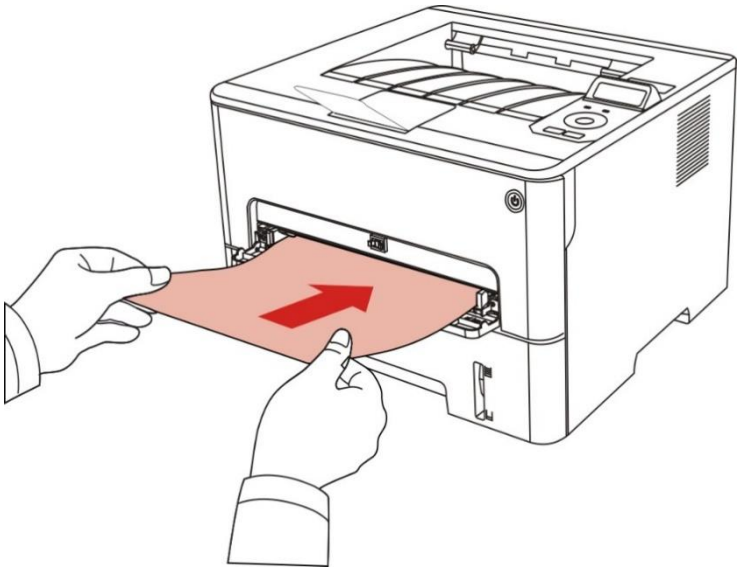
Before printing, please make sure mediums of corresponding quantity have been installed inside the auto feed tray, and there is no printing medium in the manual feed tray.



Note: • For precautions on loading paper, see Chapter 2.
• For the type of media to be printed with the automatic feeder tray, see Chapter2.1.

7.4.2. Printing with manual feed tray

When you put papers in the manual feed tray, the printer will enter manual feed mode.



Note:• Manual feed mode means that papers will be fed from the manual feed tray first if there are papers being put inside it.
• Generally, the manual feeder tray is used to print on special paper, such as envelopes, transparencies, etc., and only one piece of paper can be loaded each time.
• Please refer to Chapter 2 for putting papers inside manual feed tray.
• Please refer to Chapter 2.1 for type of mediums that can be printed via manual feed tray.

7.5. Automatic Two-Sided Printing

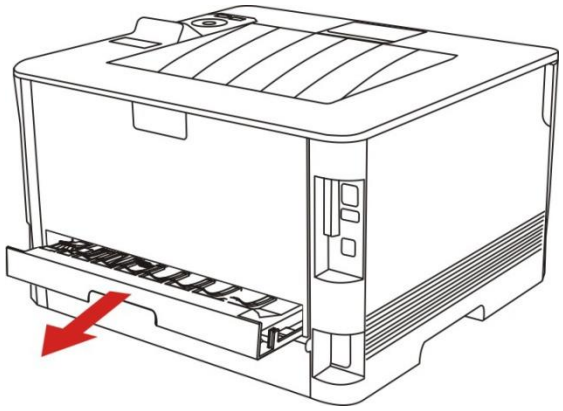
The printer supports automatic two-sided printing of plain paper. Paper size supported by the automatic two-sided printing: A4,Letter, Legal, Oficio, Folio,16K.

Note: • Trying the automatic two-sided printing may damage the printer if some paper media are not suitable for automatic two-sided printing.
• Auto duplex printing does not support poster printing.
• Please refer to Chapter 2 for paper loading and type of mediums that can be printed via auto feed tray.

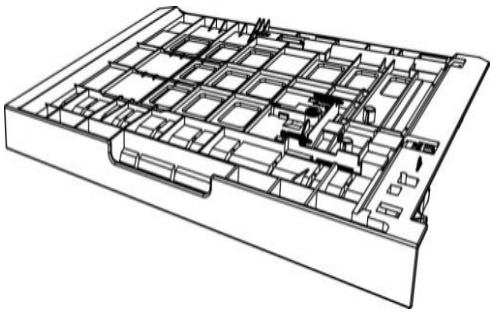
7.5.1. Duplex printing unit setup

For the purpose of achieving the best printing result, you can set up the paper size of duplex printing unit. As for duplex printing of A4 and 16K papers, the slide should be adjusted to the A4 position; as for Letter, Legal, Folio and Oficio duplex printing, the slide should be adjusted to the Letter position. Setup steps of duplex unit are:

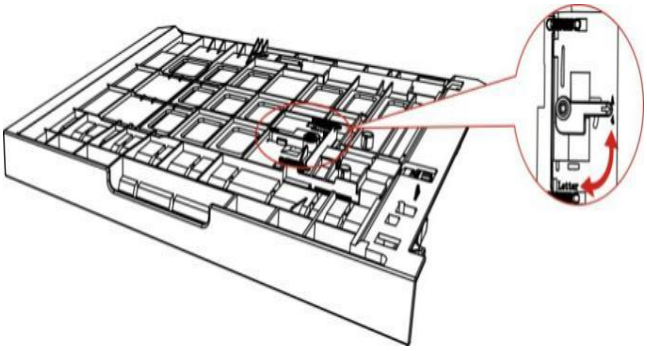
1. Draw out duplex unit.



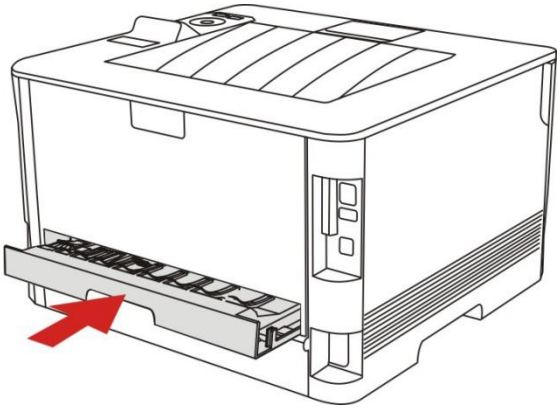
2. Make the backside of duplex unit up.



3. Adjust paper size slide to A4 or Letter position to finish setting up.

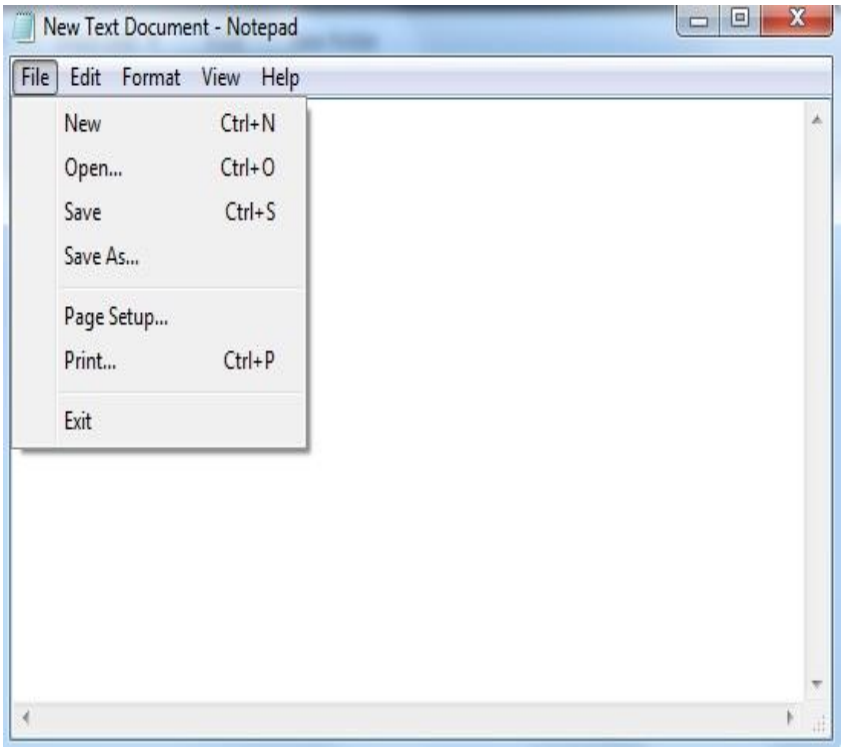


4. Install the duplex unit in the printer.

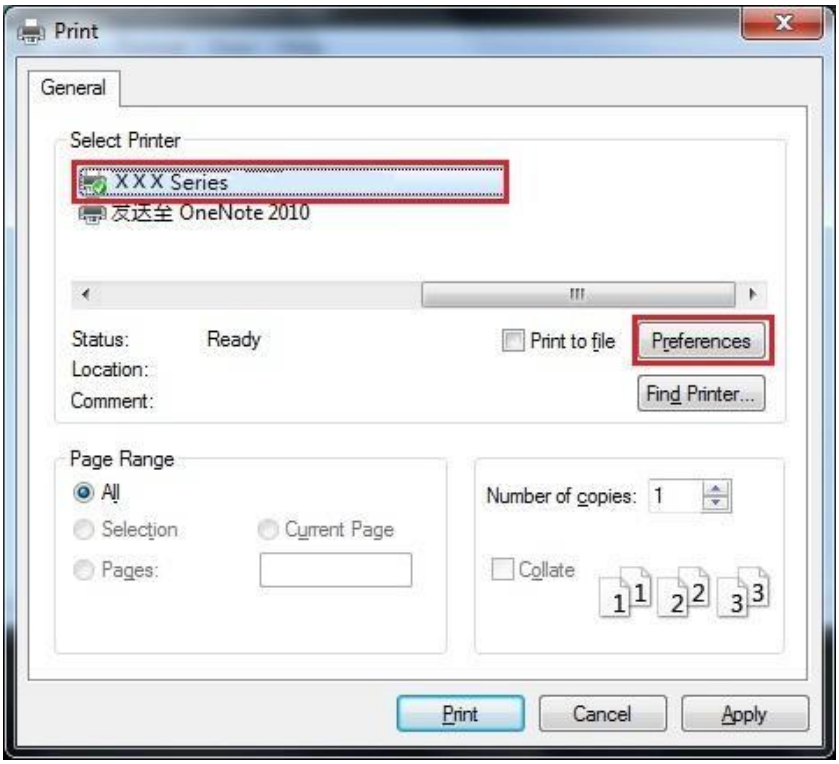


7.5.2. How to carry out auto duplex printing

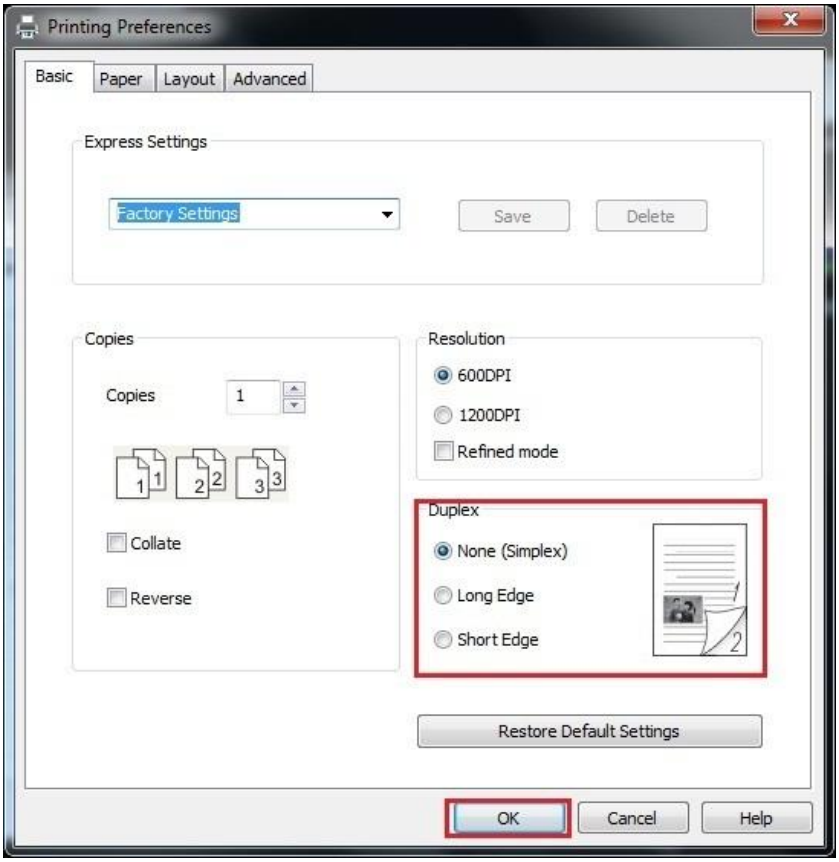
1. Open the print job to be printed from the application (such as a Notepad).
2. Select Print from the File menu.



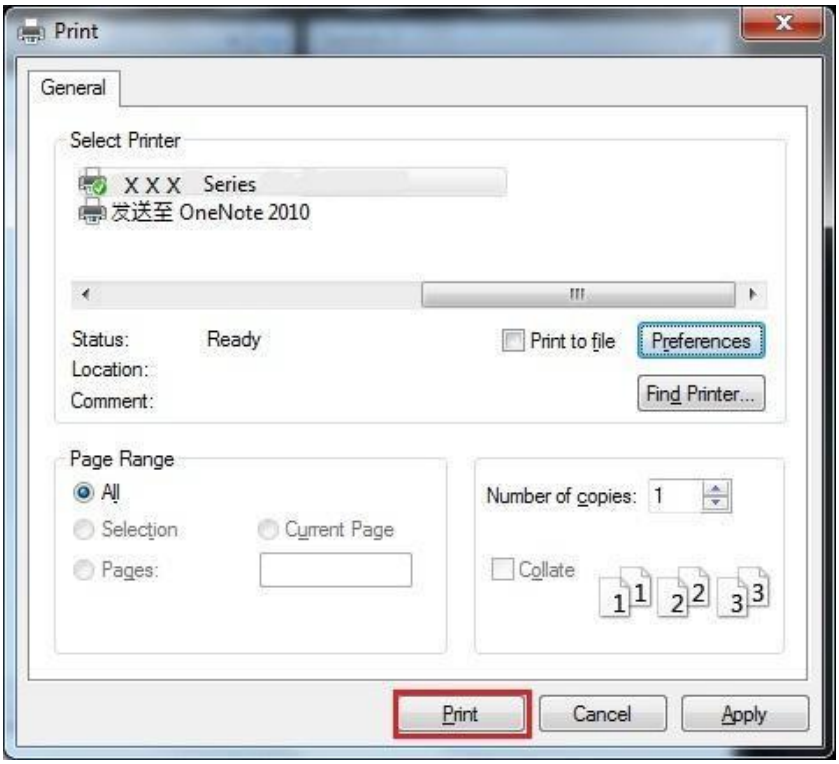
3. Select printer of the corresponding model.



4. Single click “Preferences” for printing setup.
5. Select the “Duplex” in “Basic” tab and then select “Long Edge” or “Short Edge”.

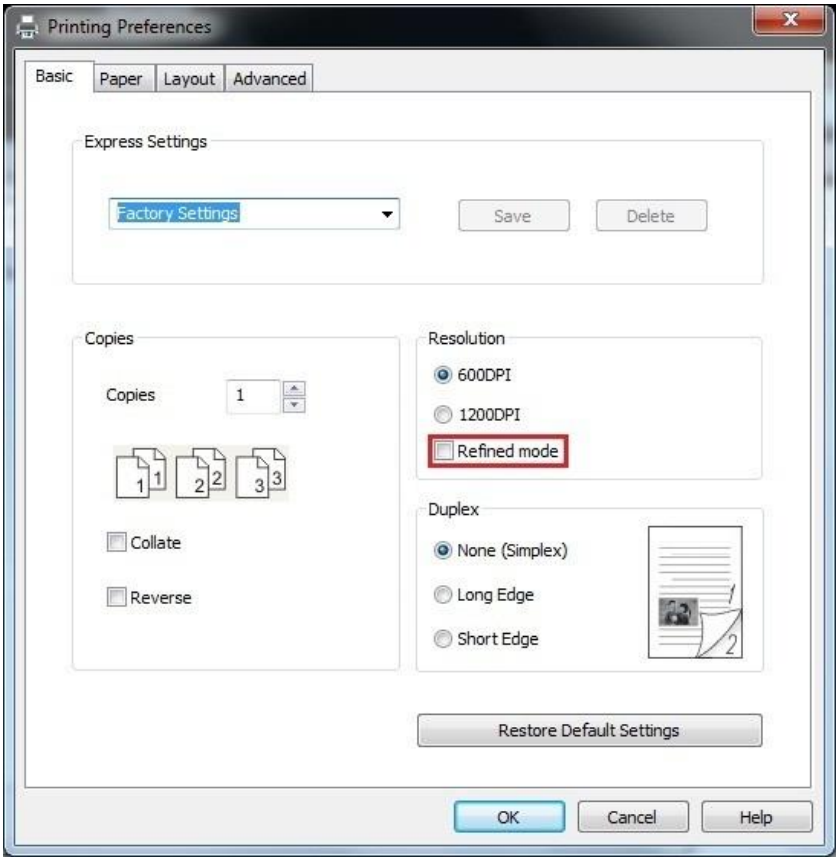


6. Single click “OK” to finish printing setup. Click “Print” to realize auto duplex printing.



7.6. Fine mode printing

The Fine mode is applicable to engineering drawings and fine lines printing.
Set up fine mode in the basic page of printer preference After setup, fine printing mode can be realized.



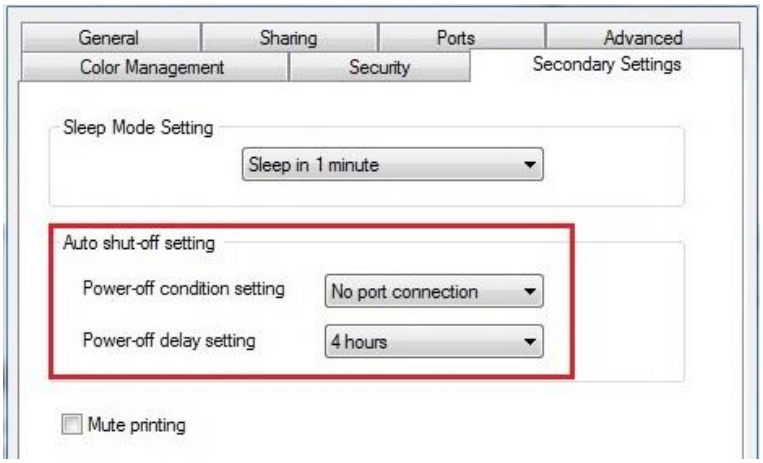
7.7. Mute printing

If the Mute Printing is set, the printing noise will be reduced but the printing will slow down to some extent.

The operating steps of mute printing are as follows (applicable to printers that are installed via USB connection)

Windows 7 is taken as the example in the following operation. The information on your computer screen may differ because of multiple operating systems.

1. Enter the “Start menu” – “Control Panel” –view “Devices and Printers”.
2. Right click printer and select “Printer properties” in the pull-down menu.
3. Enter the “Secondary Settings” option.
4. Tick “Mute printing” and click “Ok” to finish setup.



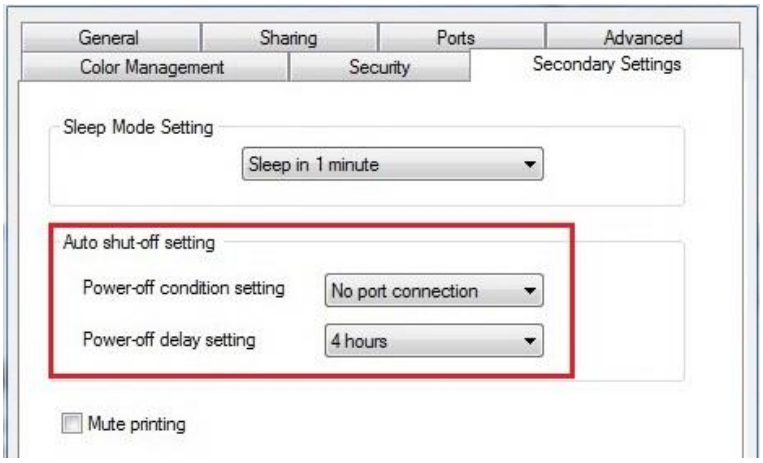
5. Open the printing work from the App, select a printer of the corresponding model and then set up printing according to needs.
6. Click “Print” to realize mute printing.

Note: • Printers with LCD control panel can be set to mute printing with keys on control panel directly, please refer to Chapter 9.1.4.

7.8. Auto shut-off setting

“Auto shut-off setting” to set off condition and off delay of printer.

1. Enter computer “Start Menu” – “Control Panel” – View “Devices and Printers”.
2. Right click printer, select “Printer properties” in drop-down list.
3. Enter “Secondary Settings” option and set “Auto shu-off setting”.
4. Click “OK” to finish setting.

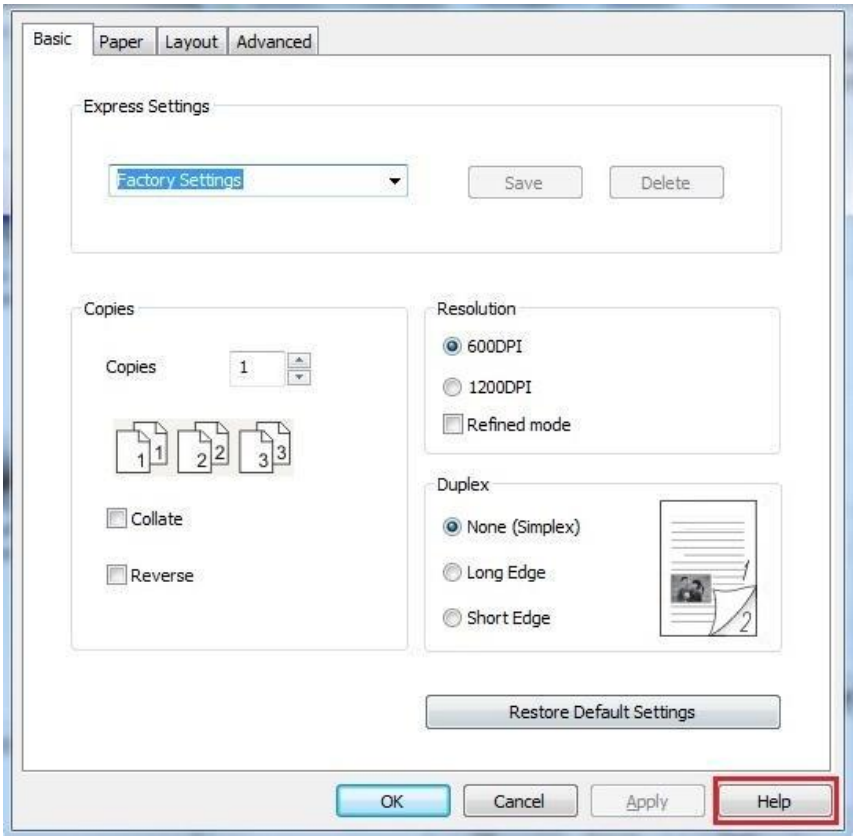


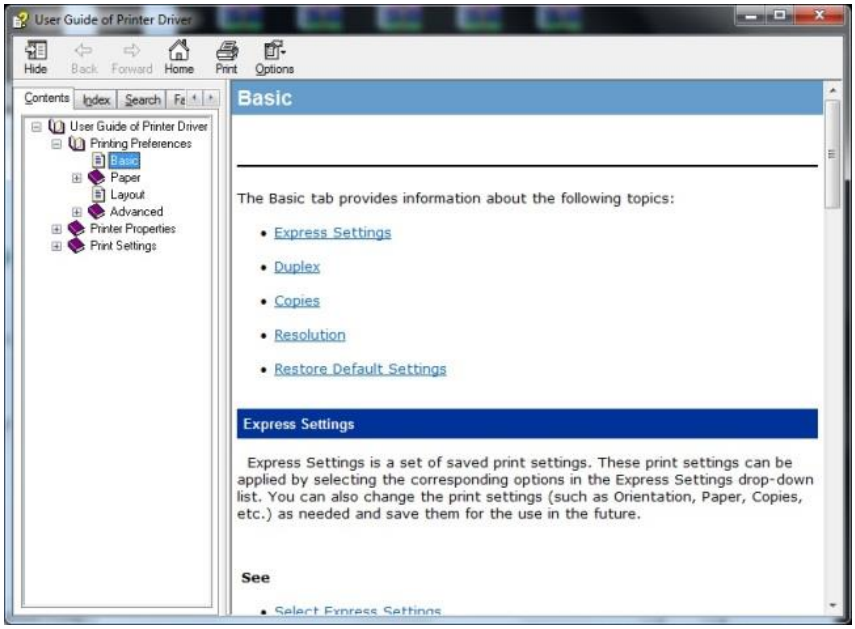
Note: • For printer provided with LCD control panel, users may set auto off function through control panel keys. Please refer to Chapter 9.1.7.

• Individual countries (or regions) do not support auto off setting.

7.9. 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. Mobile Print(for models with WiFi function only)

Note： • Some functions are not available depending on different printer models. If you have any questions, please contact the Customer Service.

8.1. "Pantum" App

You can realize the functions of print, scan, copy and fax on mobile devices (mobile phones and tablets) through the "Pantum Printer" application software.

8.1.1. Operating systems supported

“Pantum Printer” App is suitable for Android 6.0-12.0, iOS 11.0-16.0 and HarmonyOS 2.0-3.0 system versions.

8.1.2. How to download Pantum App

How to download it for Android mobile device:

1. You can download it from its official website http://www.pantum.com > Service & support > Driver download > Select printer model > Download and install.
2. You can use Google Play Store > Apps > to search Pantum Mobile Printing > Download and install.

How to download it for iOS mobile device:

Click the App Store icon > Search interface > input “PANTUM” or “Pantum print” in the search bar > Download and install on the interface of iOS device to download.

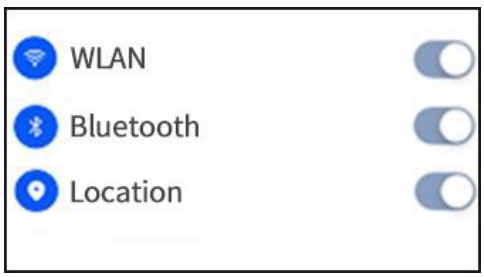
8.1.3. How to use the Pantum Printer App

8.1.3.1. Add a printer

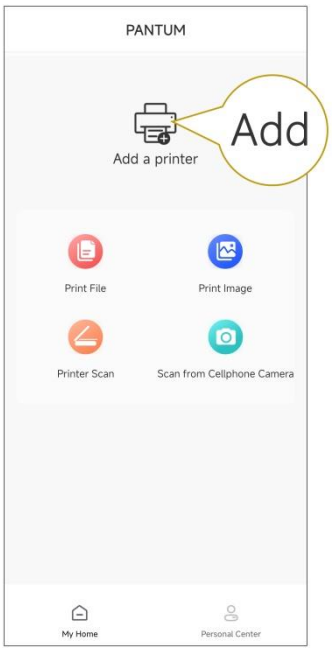
I. Add the printer through WiFi network configuration

1. Make sure the mobile device turns on Bluetooth, location information permissions, and access WiFi network.

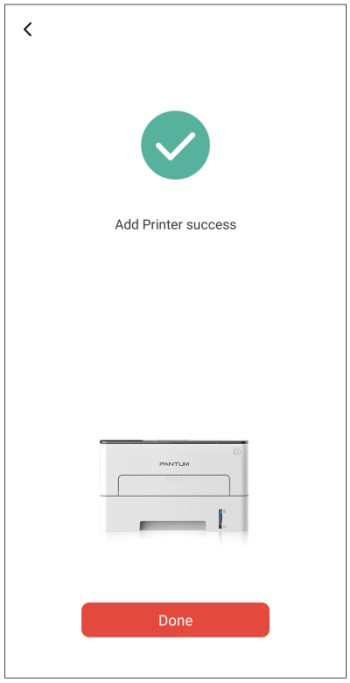
Note:• For iOS mobile devices, please enable the location permission of Pantum Printer App as follows. Click “Settings” > “Pantum Printer App” > “Location”, and select “During APP use”.



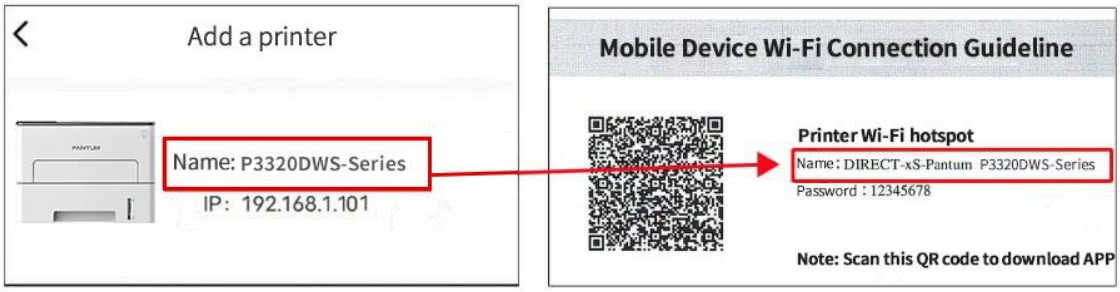
2. Press the WiFi button of printer to print the "Moblie Deveice WiFi Connection Guideline"
3. Go to "Pantum Printer" App. Click the "Add Printer" button, and operate according to the instructions on the interface.



4. The printer is added successfully.

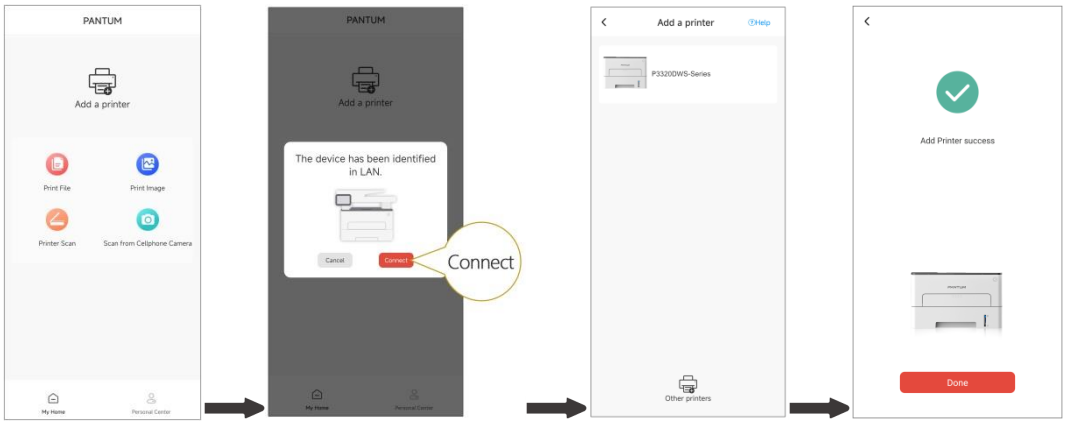


Note:• If several printers are found, please print the "Moblie Deveice WiFi Connection Guideline" and select the printer you want to connect to according to the hotspot name.

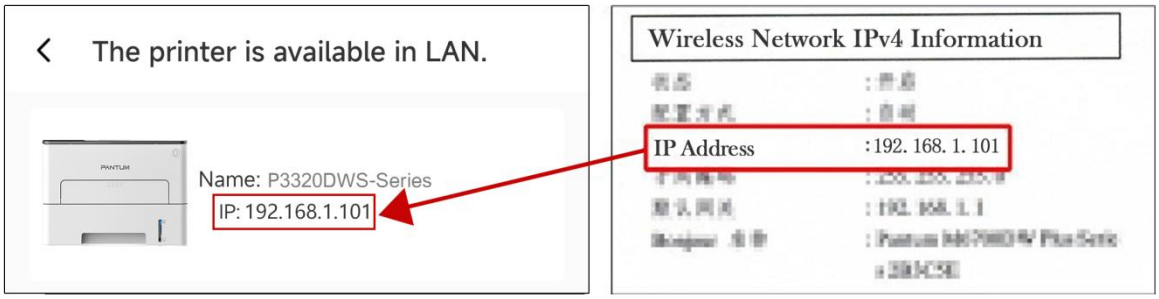


II. Search for a printer in the LAN

1. The printer and mobile device have been connected to the same LAN.
2. Go to "Pantum Printer" App > Click "Connect" on the interface of "Devices found in LAN" > Select a printer > Add Successfully.

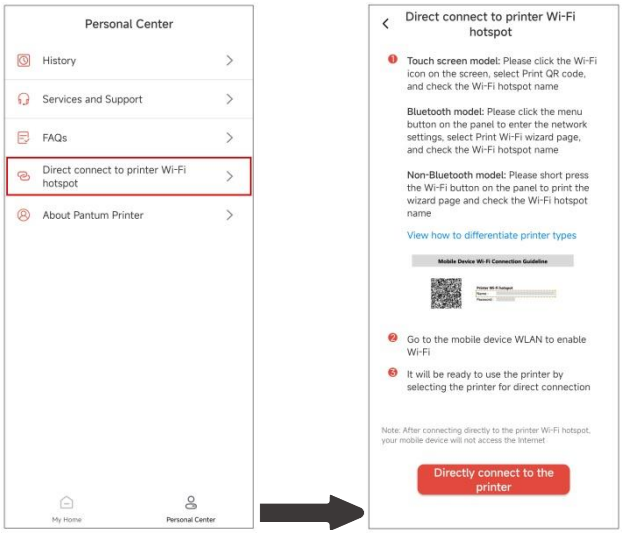


Note: • If multiple printers are found, please print the “Network Configuration Page” and select the printer you desire based on the IP address. (For information on how to obtain the IP address of the printer, you may refer to Section 9.4 and print “Network Configuration Page”)



III. Add the printer through direct connection

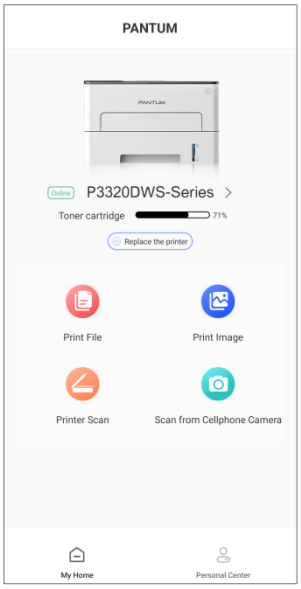
1. Go to "Personal Center", select "Direct connect to printer WiFi hotspot", and operate according to the instructions on the interface.



Note: • The current network of your mobile device is unavailable after the printer WiFi hotspot is connected directly.

8.1.3.2. Use the printer

Enter the home page of the App, and select to experience different functions as needed.



Note: • The functions may vary in different printer models. Specific functions are subject to the printer you have purchased.
• If printing fails, check whether the mobile device is connected to the same wireless network to which the printer is connected.
• If the mobile device does not detect any printers, check whether the printer is plugged in and turned on.

9. General Settings

Note: • Some functions are not available depending on different printer models. If you have any questions, please contact the Customer Service.

This Chapter mainly introduces some general settings.

9.1. System Setting

9.1.1. Language Setting

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

1. Press "Menu" to enter the Menu Settings interface.
2. Press "OK" to select the "System Setting" option.



3. Press “OK” key to select “Language Set” option to set language, as shown in the below figure:



9.1.2. Sleep Time Setting

Sleep mode can reduce the energy consumption of printer effectively, and “Sleep time setting” can be made in the idle time before the device enters sleep mode.

1. Press "Menu" to enter the Menu Settings interface.
2. Press "OK" to select the "1.System Setting" option.
3. Press direction key “▲” or “▼” to select “Sleep time Set” option, and press “OK” key to set the corresponding sleep time.



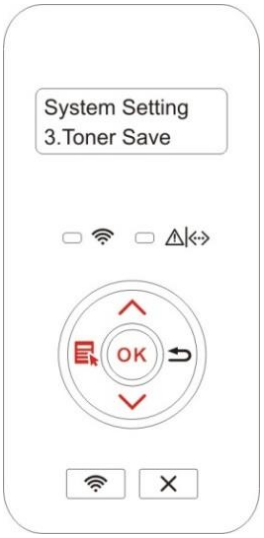
Note: • In sleep mode, the printer can be woken up by pressing any key or sending printing work.

• Sleep time of network printer can be set with the embedded Web server (Please refer to Chapter 6.2.4.2) .

9.1.3. Toner Save

You can select the save toner mode which can reduce toner consumption and reduce printing cost. When save toner mode is “on”, the printed color will be lighter. Save toner mode is “off” by default.

1. Press "Menu" to enter the Menu Settings interface.
2. Press "OK" to select the "System Setting" option.
3. Press direction key “▲” or “▼” and select “Toner Save ” option and press “OK” key to turn on/off this mode.



9.1.4. Mute printing

Set mute mode to realize low speed printing with low noise. When mute mode is “on”, printing will be in a low speed. This mode is “off” by default.

1. Press "Menu" to enter the Menu Settings interface.
2. Press "OK" to select the "System Setting" option.
3. Press direction key “▲” or “▼” and select “Mute printing” option and press “OK” key to turn on/off this mode.



9.1.5. Restore Factory Settings

“Restore factory settings” is used to recover the default settings of printer. The printer will restart itself automatically after recovering factory settings.

1. Press "Menu" to enter the Menu Settings interface.
2. Press "OK" to select the "System Setting" option.
3. Press direction key "▲" or "▼" to select the "Restore Set" option and press "OK".



Note: • Factory settings of network printer can be recovered via embedded Web server (please refer to Chapter 6.2.5) .

• As for printers with LED control panel, press the power key to turn printer on and then press the Cancel/Continue key for more than 2s until the two green status lights on the panel start to blink at the same time. Then, release the key and wait for factory settings of the printer to recover. The printer will restart itself automatically after finishing recovering factory settings.

9.1.6. Print a Page for Clean & Fix

"Print a Page for Clean & Fix"function can clean the toner, paper powder and other inpurities, so as to realize better printing effect.The printer will start up Print a Page for Clean & Fix function automatically after the printer has printed a certain number of pages. You can also launch Print a Page for Clean & Fix function manually by setting up the printer panel. The steps are as follows:

1. Press "Menu" to enter the Menu Settings interface.
2. Press "OK" to select the "System Setting" option.
3. Press “▲”or“▼”and select "Clean & Fix" option, then press "OK" to start cleaning and fixing of the fuser unit.

Note: • For printers having LED control panels, double click "Cancel/Continue" button on the panel to start up cleaning and fixing of the fuser unit.

9.1.7. Auto shut-off setting

“Auto shut-off setting” to set off condition and off delay of printer.

1. Press "Menu" to enter the Menu Settings interface.
2. Press "OK" to select the "System Setting" option.
3. Press direction key “▲” or “▼” to select options of “Auto off set”, press “OK” to set off condition and off delay.



Note: Set auto off condition:

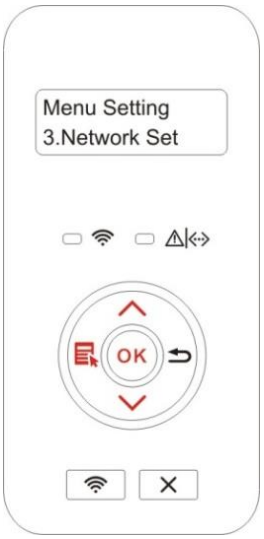
- Shutdown under no-port state (default configuration. : no port is connected, WiFi function deactivated, printer is under standby or sleep mode.
- Shutdown under idle state: the printer is under standby or sleep mode.
- If auto off condition is satisfied, printer will be off at the preset time.
- After printer is off, power consumption is 0.5W or lower.
- Individual countries (or regions) do not support auto off setting.

9.2. Network Settings

You can check or set network status via network setting.

1. Press "Menu" to enter the Menu Settings interface.
2. Press direction key “▲” or “▼” and select “Network Set” option and press “OK” key to set “Wired network setting”, “wireless network setting” and “WiFi Direct”.

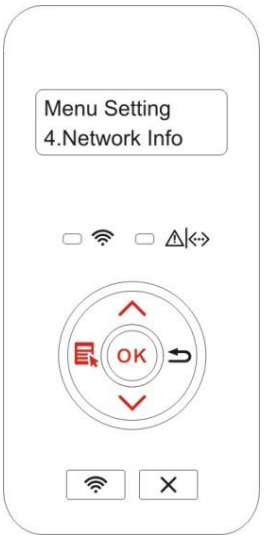
Note: • To set IP address, subnet mask and gateway, press direction key “▲” to circularly accumulate values from “0-9”, press direction key “▼” to circularlly input the position from left to right, press “OK” key to save setting and press “Return” key to return to the previous menu.



9.3. Network Information

You can check the network status through Network Information..

1. Press "Menu" to enter the Menu Settings interface.
2. Press direction key “▲” or “▼” and select “Network Info” option and press “OK” key to view “wired network information”, “wireless network information” and “WiFi Direct information”.



9.4. Print information report

You can print information report by operating control panel. These pages can help you to learn about product information, and diagnose and solve product failures.

1. Press "Menu" to enter the Menu Settings interface.
2. Press direction key “▲” or “▼” and select “Prt Info Rept” option.



3. Press “OK” key to enter information report print. You can print product report according to needs. Product reports that can be printed include demonstration page, information page, menu structure page, network setup page, WiFi hotspot list page, PCL font list page and PS font list page.

Note:• The product report above is the most complete version, and may be different from the product report of model that you actually use.

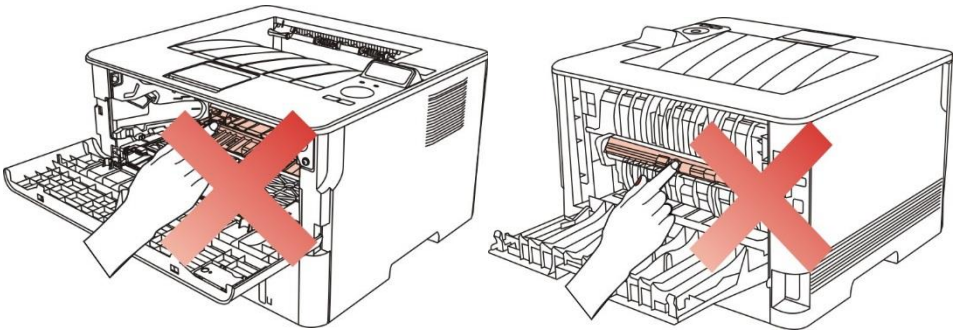
10. Routine Maintenance

Note:• Printer appearance may differ because of different models and functions, so the schematic diagram is only for your reference.

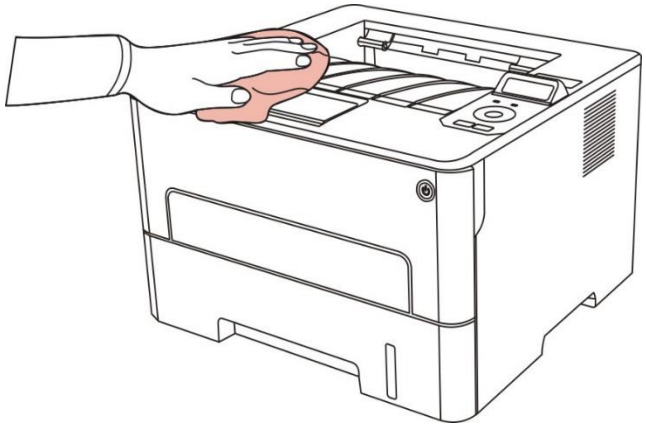
10.1. Cleaning the Printer

Note:• Please use mild detergents.

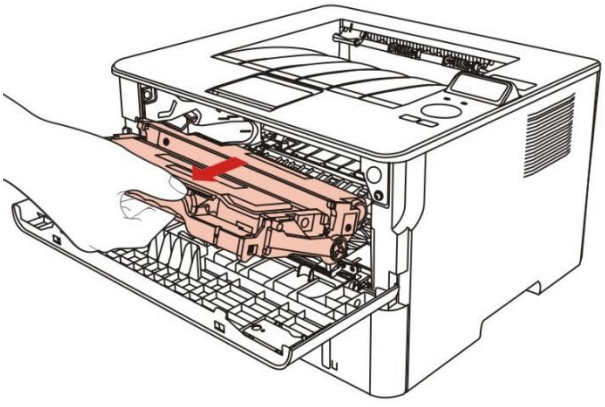
• Some parts of the printer may still be hot for a short period after use. When opening the front cover or rear cover to clean the parts inside the printer, please do not touch the parts in the shaded area as shown in the following picture.



1. Use a soft cloth to wipe the outside of the printer clean.

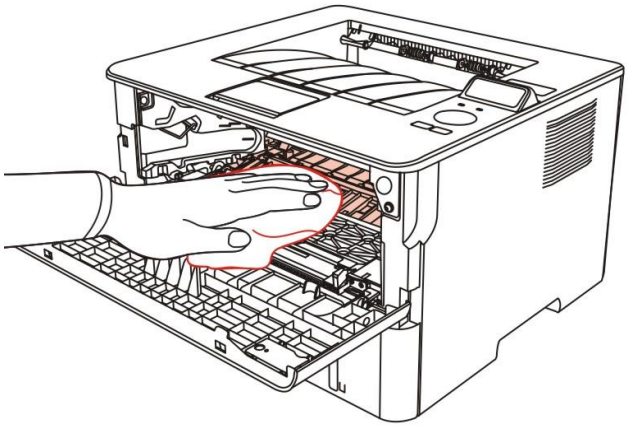


2. Open the front cover and take the laser toner cartridge out along the track.

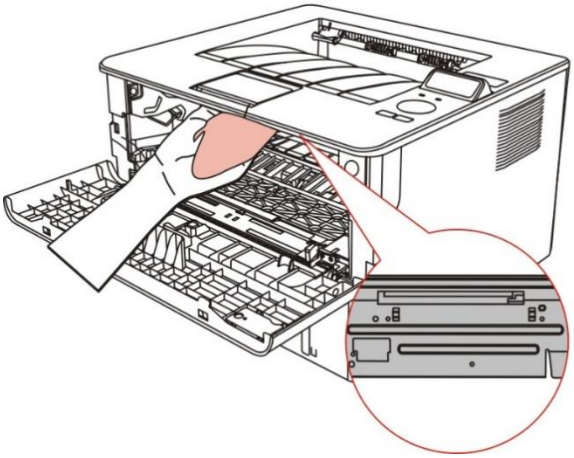


Note: • When removing the toner cartridge, put the toner cartridge in a protective bag or wrap it with thick paper to avoid direct light damaging the toner cartridge.

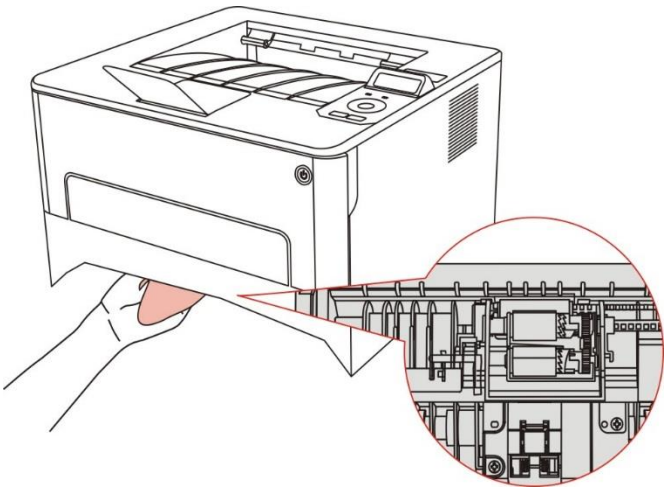
3. Clean the inside of the printer by gently wiping the shaded area, as shown in picture, with adry and lint-free cloth.



4. Wipe the LSU lens of printer gently with dry lint cloth.



5. Open the auto feed tray and wipe the pickup roller gently with dry lint cloth.



10.2. Toner cartridge and drum component component maintenance

10.2.1. About toner cartridge and drum component component

1. Application and maintenance of toner cartridge

Please use the original toner cartridge for better printing quality.

Please pay attention to the following items while using the toner cartridge:

• Do not take the toner cartridge out of its package unless it will be used immediately.

• Do not refill the toner cartridge without permission; otherwise, the damages caused will not be included in the scope of warranty of the printer.

• Please place the toner cartridge in cool and dry places.

• Please do not place the toner cartridge near ignition sources, as the toner inside it is inflammable and may cause fire.

• Please pay attention to toner leakage while it is taking out or disassembled. In case of toner leakage, skin contact with toner or spattering into eyes or mouth, please wash it with clear water immediately, or see a doctor if feeling unwell.

• Toner cartridge should be placed out of reach of children.

2. Service life of toner cartridge

• The service life of toner cartridge is depending on the toner quantity needed by printing.

• For printers with LED control panel, normally-on orange toner cartridge indicator means that the service life of toner cartridge has expired and a new toner cartridge should be replaced to.

• For printers with LCD control panel, normally-on orange toner cartridge indicator or “Ctg life expired” displayed on LCD display means that the service life of toner cartridge has expired and a new toner cartridge should be replaced to.

3. Service life of drum component

• For printers with LED control panel, normally-on red drum component indicator means that the service life of drum component has expired and a new drum component should be replaced to.

• For printers with LCD control panel, “DrumUnitLifeEnd” displayed on LCD display means that the service life of drum component has expired and a new drum component should be replaced to.

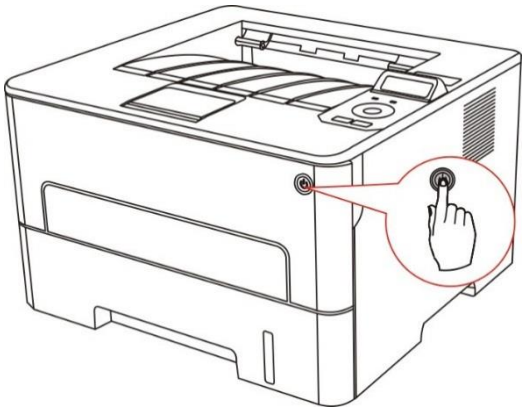
10.2.2. Replace toner cartridge and drum component

Note: Please pay attention to the following matters before replacing toner cartridge:

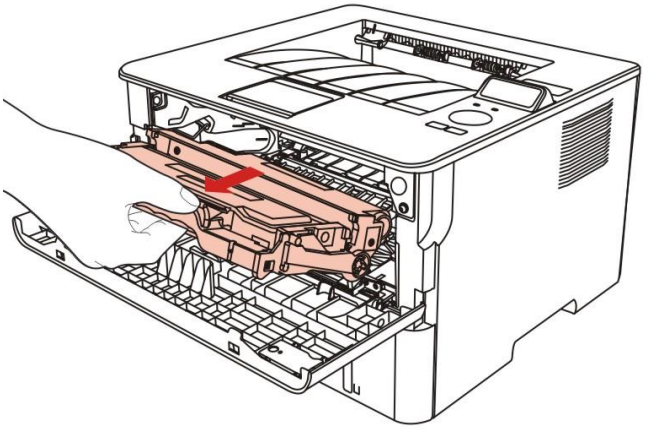
- Since there may be toner on the surface of toner cartridge, please pay attention while taking it out to avoid spattering.
- Please place the toner cartridge taken out on paper to avoid large-scale spattering of toner.
- When installing, do not touch the surface of the toner cartridge, so as to avoid scratching it.

Toner cartridge replacement steps:

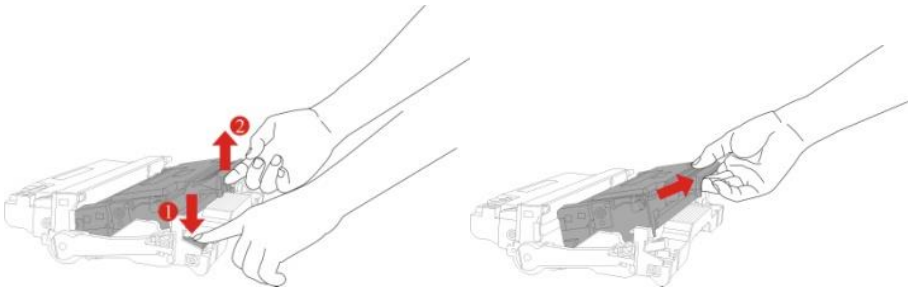
1. Power off the printer.



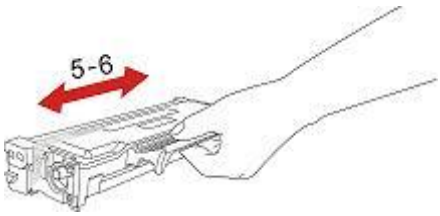
2. Open the front cover and take the laser toner cartridge out along the track.



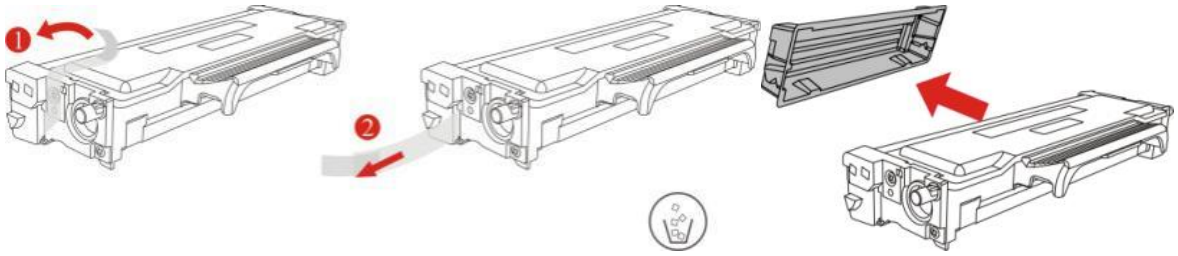
3. Press the blue button on the left side of drum component with left hand and lift the toner cartridge handle with right hand at the same time to take the toner cartridge out.



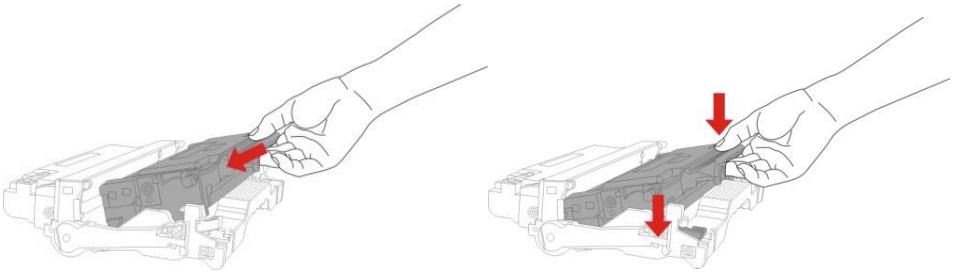
4. Open the package of the new toner cartridge and hold the toner cartridge handle to shake it left and right for 5 – 6 times, so that the toner inside can be uniformly dispersed.



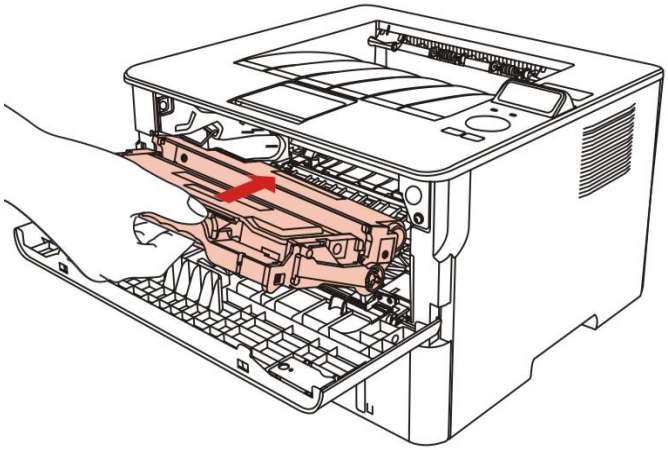
5. Pull the seal out and take the toner protection cover out.



6. Install the drum component along the inner track to finish installing toner cartridge.



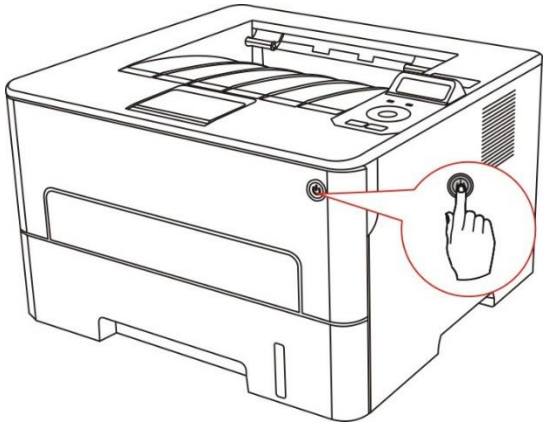
7. Take the drum component with toner cartridge installed and install it inside the printer along the inner track of printer to finish installing.



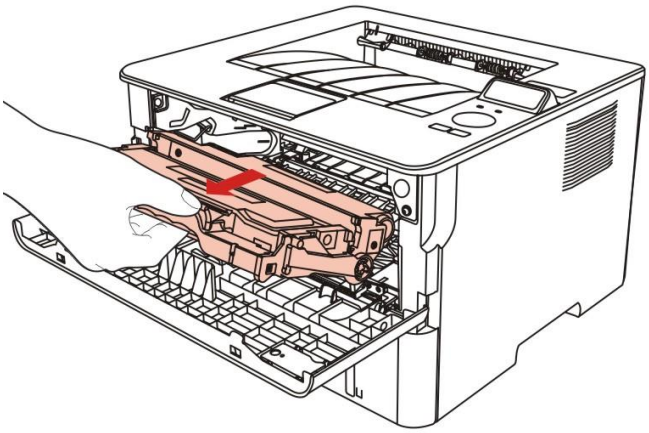
8. Close the front cover.

Drum component replacement steps:

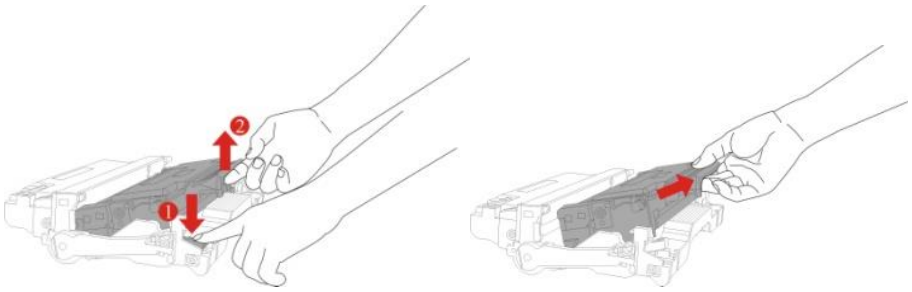
1. Power off the printer.



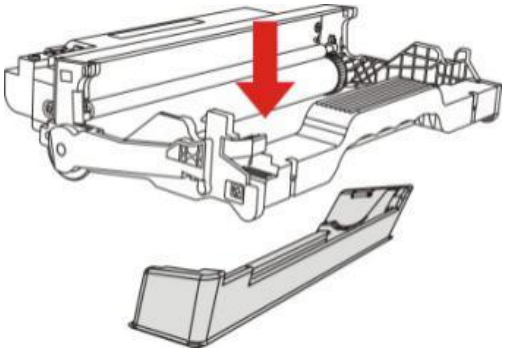
2. Open the front cover and take the laser toner cartridge out along the track.



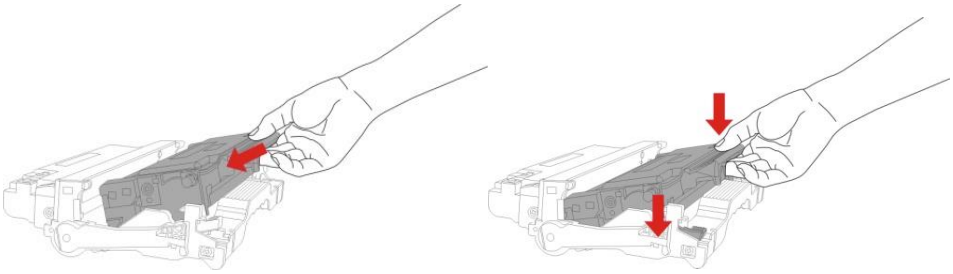
3. Press the blue button on the left side of drum component with left hand and lift the toner cartridge handle with right hand at the same time to take the toner cartridge out.



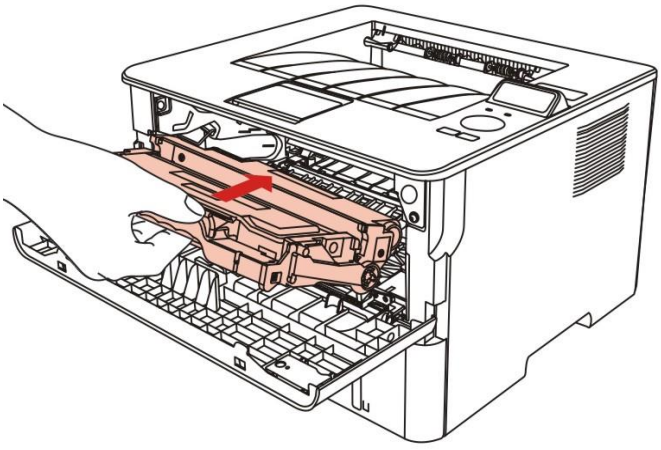
4. Open the package of new drum component, take the protection device of drum component, and put the drum component on a horizontal table.



5. Install the drum component along the inner track to finish installing toner cartridge.



6. Take the drum component with toner cartridge installed and install it inside the printer along the inner track of printer to finish installing.



7. Close the front cover.

11. Troubleshooting

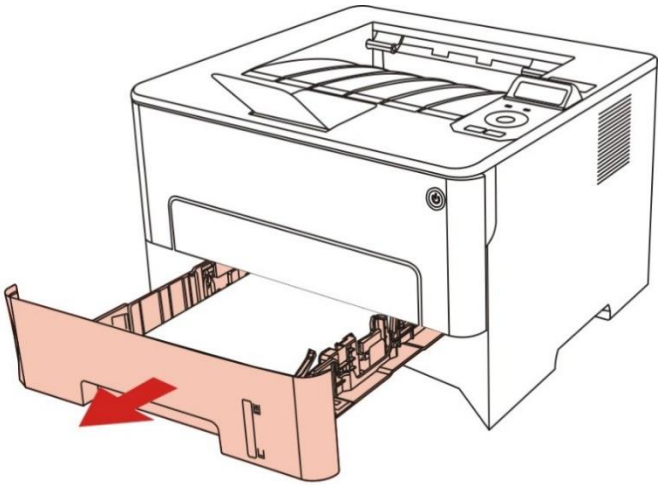
Please read this section carefully. It may help you to solve common problems encountered during the printing process. If the problems persist, please contact Pantum Aftersales Service Centre.
Prior to handling common problems, first check that:

• The power cord is connected correctly and the printer is powered on.
• All of the protective parts are removed.
• The toner cartridge is installed correctly.
• The paper is correctly loaded into the tray.
• The interface cable between the printer and the computer is connected correctly.
• The correct printer driver has been selected and installed properly.
• The computer port is properly configured and is connected to the correct printer port.

11.1. Cleaning Jammed Paper

11.1.1. Paper jam of auto feed tray

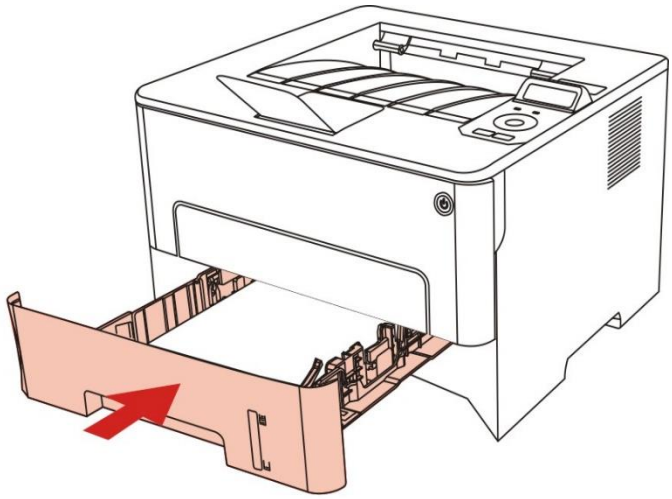
1. Open the tray.



2. Gently pull the jammed paper out.

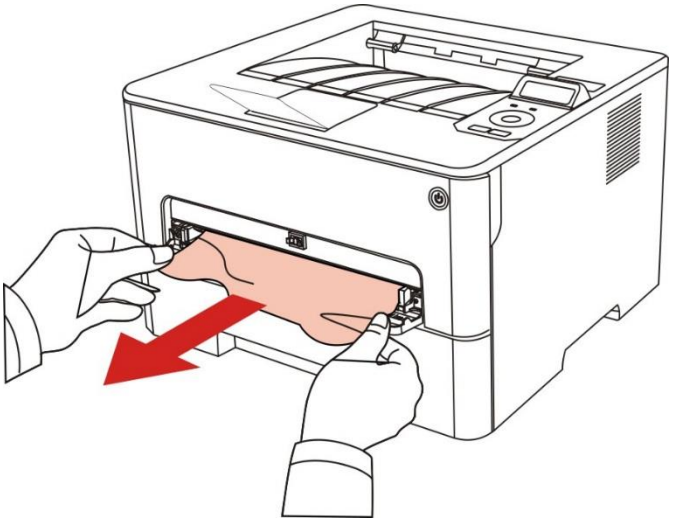


3. After taking papers jammed out, please reinstall the paper tray inside the printer and close the front cover, then the printer will recover printing automatically.

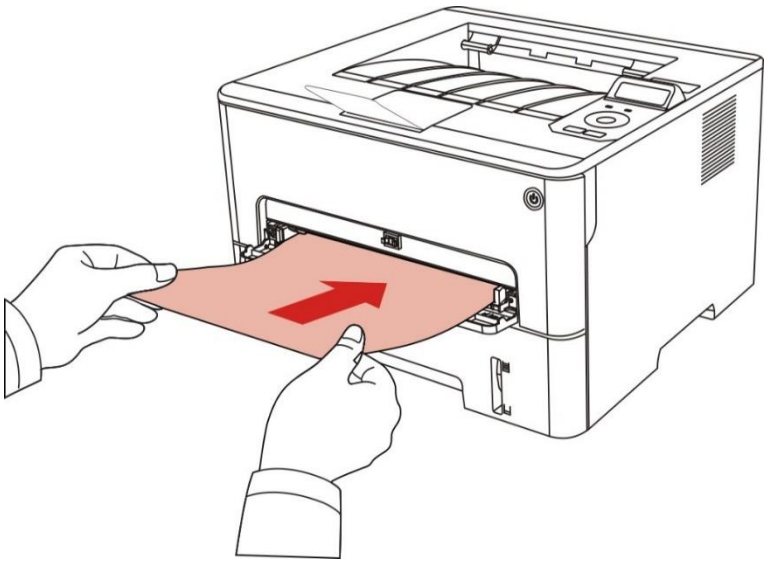


11.1.2. Paper jam of manual feed tray

1. Gently pull the jammed paper out.

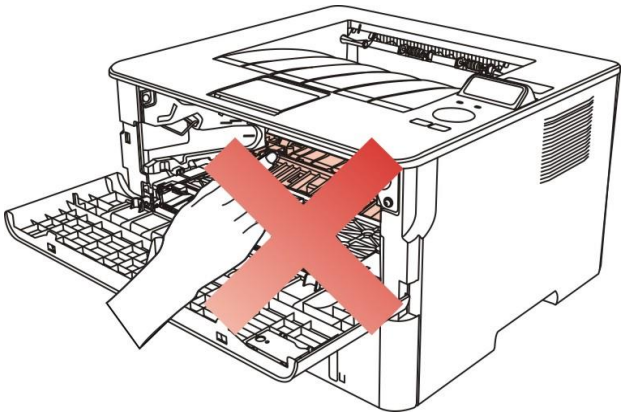


2. After taking papers jammed out, open and close the front cover and the printer will recover printing.

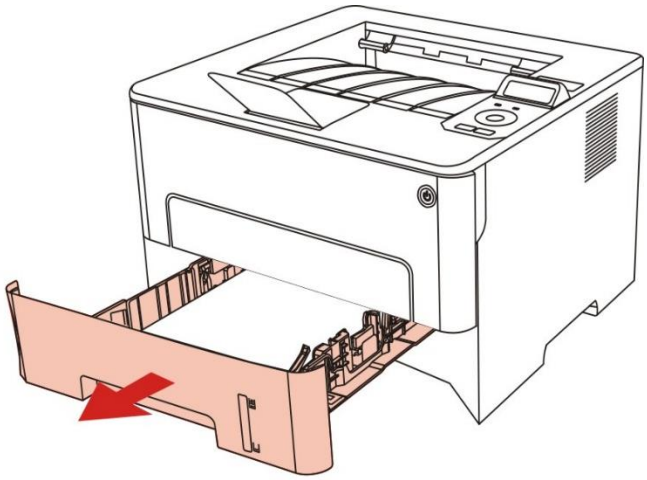


11.1.3. Middle jam

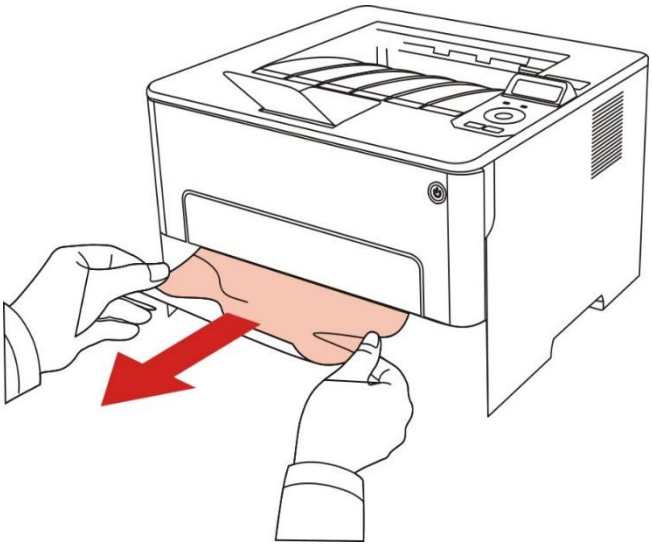
Note:• When papers jammed in the middle are taken out, please pay attention and do not touch the shaded area shown below, in order to avoid burn.



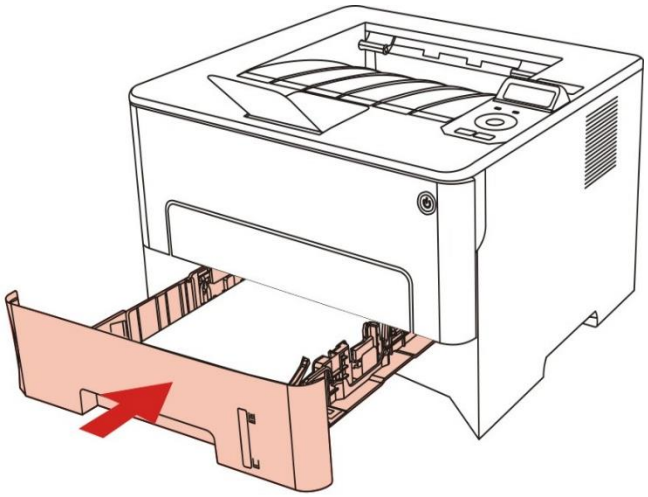
1. Pull paper tray out.



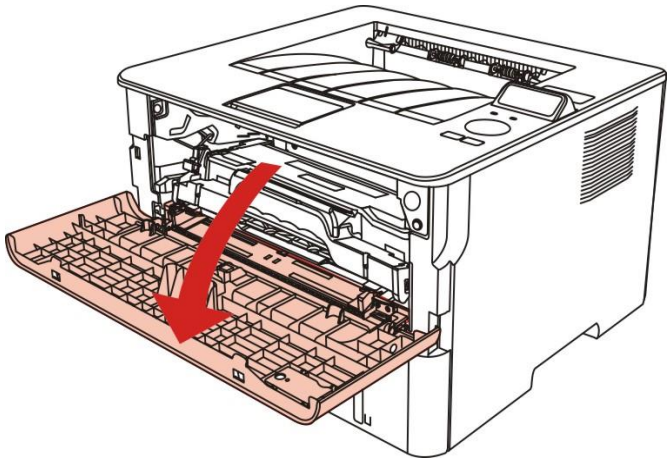
2. Gently pull the jammed paper out.



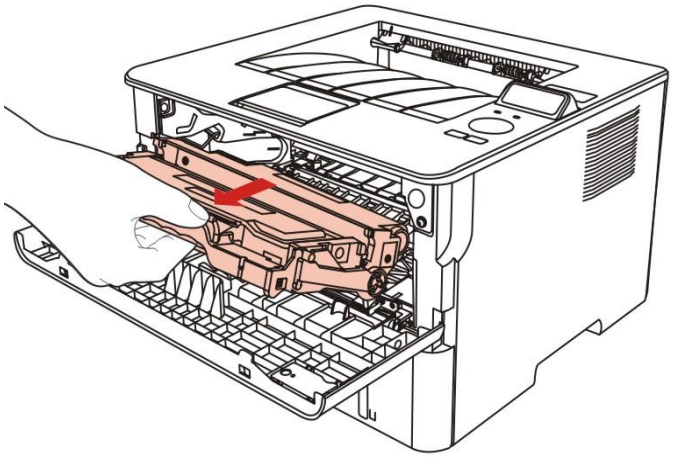
3. Install paper tray.



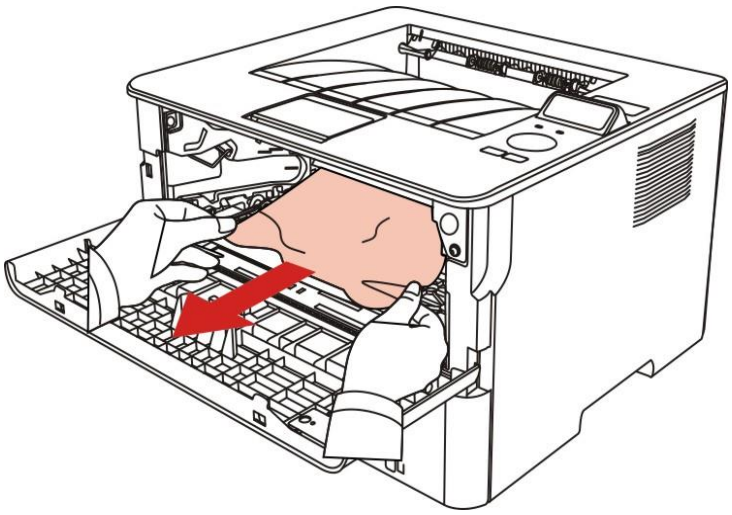
4. Open the front cover.



5. Take the laser toner cartridge out along the track. (For the purpose of preventing printing quality from affecting by the exposure of photosensitive drum, please put the laser toner cartridge inside the protection bag or warp it with thick paper).



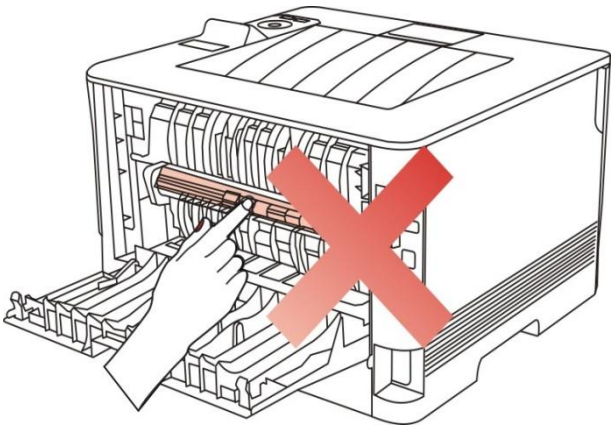
6. Gently pull the jammed paper out.



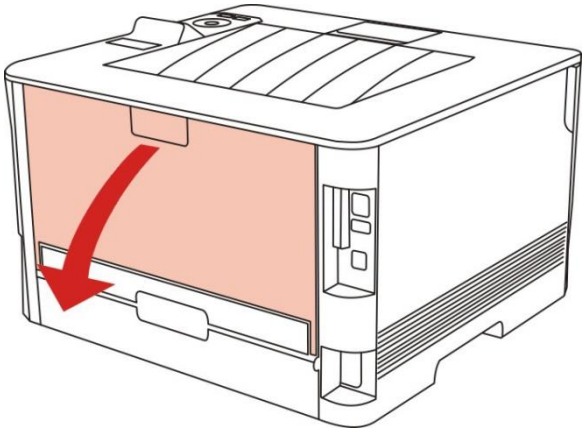
7. After taking out papers jammed, install the laser toner cartridge again and close the front cover, then the printer will recover printing.

11.1.4. Paper Jam in the Fuser Unit

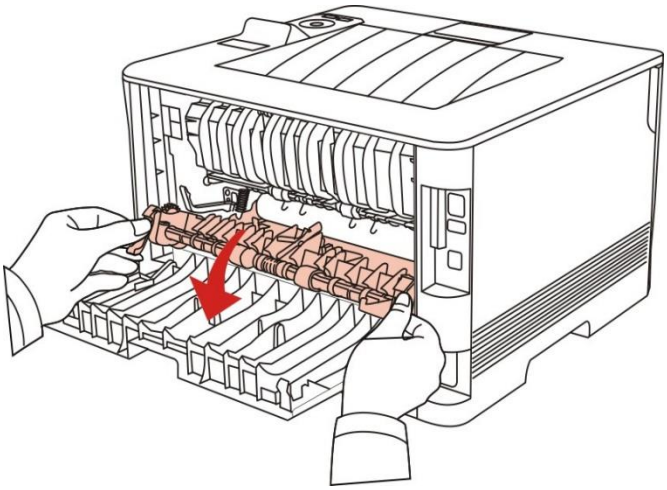
Note:• When papers jammed in fuser unit are taken out, please pay attention and do not touch the shaded area shown below in order to avoid burns.



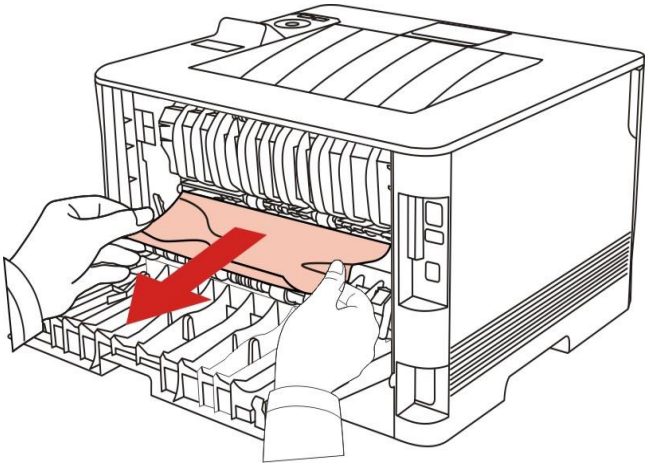
1. Open the rear cover.



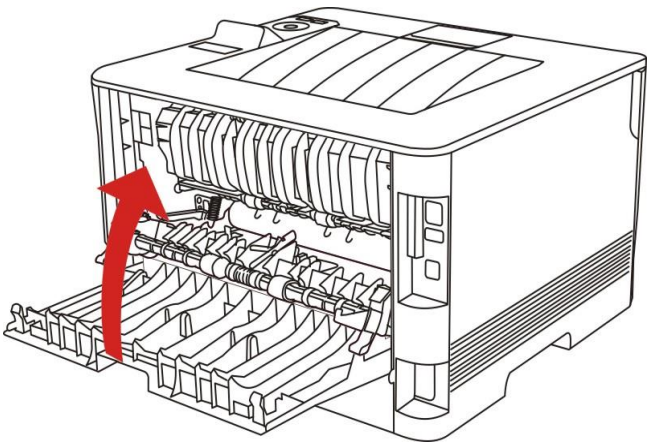
2. Open the fuser door using the handles on both sides.



3. Gently pull the jammed paper out.

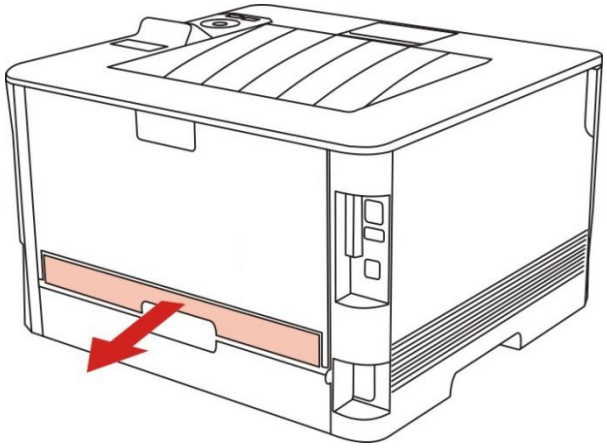


4. After taking papers jammed out, close the back cover and open the front cover and then the printer will recover printing.

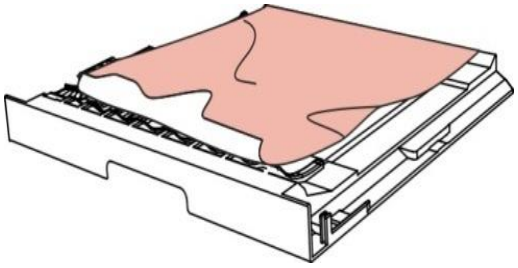


11.1.5. Duplex Unit Jam

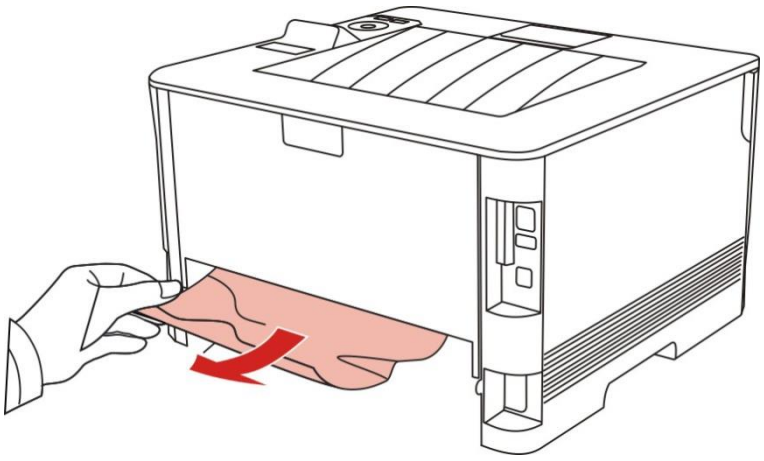
1. Remove the duplex printing unit from the back of the printer.



2. Remove the jammed paper from the duplex unit.



3. If the paper does not come out along with the duplex unit, open the tray and remove the jammed paper directly from the bottom.



4. After taking papers jammed out, install the duplex unit back and inspect other parts to the product. If it can be ensured that there are no jammed papers, open and close the front cover and then the printer will recover printing automatically.

Note:• After all papers jammed are taken out according to the above steps, close the front cover and tidy the papers in paper tray, then the printer will recover to print automatically.
• If the printer still does not start printing, please check that all the jammed paper inside the printer has been cleared.
• If you cannot remove the jammed paper yourself, please contact your local Pantum authorized repair center or send the printer to the nearest Pantum authorized service center for repair.
• Printer appearance may differ because of various models and functions, so the schematic diagram is only for your reference.

11.2. Software Failure

Problem	Solution
The printer icon does not appear in the "Devices and Printers" folder.	Reinstall the printer driver. Ensure that the USB interface cable and the power cord are properly connected.
The printer is in Ready mode but it will not perform any print job.	If the failure still exists after restarting the printer, please reinstall the printer driver. Make sure the network cable of USB cable is connected correctly.
Failed to install the driver	Check whether the print spooler service is enabled. Check the power supply and the connection of the printer.
The driver cannot be used if the IP address of the printer has been changed	Modify the port IP address of the printer driver. If the above method does not work, please reinstall the printer driver. It is recommended that a fixed IP address should be set to the network printer. In the DHCP network, it is recommended to bind the IP address with the MAC address of the printer.

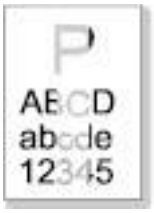
11.3. Common Troubleshooting

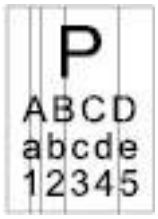
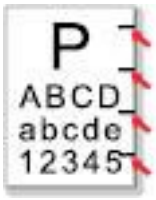
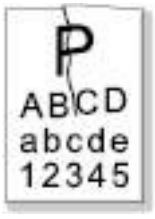
11.3.1. Common Problems

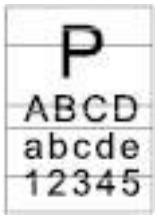
Problem	Cause	Solution
Problems with the Printer		
The printer does not work	The cable between the computer and the printer is not connected properly. Error in specifying the print port. The printer is offline and User Guide of Printer is checked. The printer has not recovered from an internal error, such as a paper jam, paper empty, etc. Driver program of printer is not installed correctly.	Disconnect and then reconnect the printer cable. Check the Windows printer settings to ensure that the print job has been sent to the correct port. If the computer has more than one port, make sure that the printer is connected to the correct port. Make sure that the printer is in the normal online status. Please eliminate errors so that the printer can recover to its normal state. Unload and reinstall the driver program of printer.
Problems with Paper Handling		
Paper feed failure	The print media has been loaded incorrectly. The print media is out of the supported media range. The feed roller is dirty. Too many papers in paper tray.	Please install printing medium correctly; please print with manual feed tray if special printing medium is used to print. Please use the print media within the specification range. Clean the feed roller. Take the excessive papers out from paper tray; please print with manual feed tray if special printing medium is used to print.
Paper Jam	Too many papers in paper tray. The print media is out of the supported media range. There is foreign matter in the paper path. The feed roller is dirty. Internal parts failure.	Take the excessive papers out from paper tray; please print with manual feed tray if special printing medium is used to print. Make sure to use the paper that meets specifications. please print with manual feed tray if special printing medium is used to print. Clean the paper path. Clean the feed roller.
Print multipage feed	Excessive static electricity on the print media. The print media is damp and is sticking together. Internal parts failure.	Separate the print media to eliminate some static electricity. It is suggested that you use the recommended print media. Separate the print media or use better quality and dry print media.

Note: • If the problem persists, please contact the customer service center. See the Three Guarantees certificate for contact details.

11.3.2. Image Defects

Problem	Cause	Solution
 The printout is whitish or light	• The print media does not meet the usage specifications, for example the media is damp or too rough. • The resolution setting of printing program is too low and concentration setting is too low, or save toner mode is ticked. • Toner is low. • Toner cartridge is damaged.	• Please use proper print media within the specification range. • Set the resolution and concentration setting of program, or cancel ticking the save toner mode. • It is suggested to replace the original toner cartridge.
 Toner spots	• Dirty toner cartridge or toner leakage. • Toner cartridge is damaged. • The print media does not meet the usage specifications, for example the media is damp or too rough, or has been used previously. • The paper path is dirty.	• It is suggested to replace the original toner cartridge. • Please use the print media within the specification range. • Clean the paper path.
 White spots	• The print media does not meet the usage specifications, for example the media is damp or too rough, or has been used previously. • The paper path is dirty. • The drum inside toner cartridge is damaged.	• Please use the print media within the specification range. • Clean the paper path. • It is suggested to replace the original toner cartridge.
 Toner comes off	• The print media does not meet the usage specifications, for example the media is damp or too rough, or has been used previously. • The printing paper medium set and paper medium placed are not consistent. • The inside of the printer is dirty. • Toner cartridge is damaged. • The parts inside the printer are damaged.	• Please use printing medium within the specification scope, and use manual feed tray for printing in case of special medium. • Please print with corresponding paper medium. • Clean the inside of the printer. • It is suggested to replace the original toner cartridge.

 Black vertical stripes	• Dirty toner cartridge • Damaged inner parts of toner cartridge. • Dirty combining glass of inner laser of the machine. • The paper path is dirty.	• Clean or replace toner cartridge • Clean the mirror of the laser at the back of the printer. • Clean the feed path of printer.
 Black background(gray background)	• The print media does not meet the usage specifications, for example the media is damp or too rough, or has been used previously. • Dirty toner cartridge • Damaged inner parts of toner cartridge. • The paper path is dirty. • Abnormal internal transfer voltage of printer.	• Please use the print media within the specification range. • Clean or replace toner cartridge • Clean the paper path inside the printer.
 Cyclical traces appear	• Dirty toner cartridge • Damaged inner parts of toner cartridge. • The fuser component is damaged.	• Clean or replace toner cartridge • Please contact customer services center to replace to a new fuser assembly.
 Skewed pages	• The print media has been loaded incorrectly. • The paper path of the printer is dirty.	• Ensure the correct loading of the print media. • Clean the paper path inside the printer.
 Wrinkled paper	• The print media has been loaded incorrectly. • The print media does not meet the usage specifications. • The paper path of the printer is dirty. • The fuser component is damaged.	• Ensure the correct loading of the print media. • Please use print media within the specification range. • Clean the paper path inside the printer. • Please contact customer services center to replace to a new fuser assembly.

 The back of the printout is dirty	• Dirty toner cartridge • The transfer roller inside the printer is dirty. • The transfer voltage inside the printer is abnormal.	• Clean or replace toner cartridge • Clean the internal transfer part of the printer.
 Whole page dark	• Toner cartridge is improperly installed. • Inner damage of toner cartridge. • Abnormal internal charging of machine or the toner cartridge is not charged.	• Install ink cartridge correctly. • It is suggested to replace the original toner cartridge.
 The toner does not adhere to the paper	• The print media does not meet the usage specifications, for example the media is damp or too rough, or has been used previously. • The inside of the printer is dirty. • Toner cartridge is damaged. • The parts inside the printer are damaged.	Please use printing medium within the specification scope, and use manual feed tray for printing in case of special medium. • Clean the inside of the printer. • It is suggested to replace the original toner cartridge.
 Horizontal stripes	• The toner cartridge is not installed correctly. • The toner cartridge may be damaged. • The parts inside the printer are damaged.	• Install ink cartridge correctly. • It is suggested to replace the original toner cartridge.

Note:• The faults above can be mitigated by cleaning or replacing the cartridge. If the problem persists, please contact the customer service center. See the Three Guarantees certificate for contact details.

12. Menu Structure

With the help of menu structure of this printer on the panel menu, you may know and set various functions. The steps of printing are as follows:

1. Press "Menu" to enter the menu setting interface.
2. Press "▲" or "▼" to select "Prt Info Rept".
3. Press "OK" and then "▲" or "▼" to select "Menu Struc Pg".
4. Press "OK" to print.

13. Product Specifications

Note: • Specification values vary slightly from printers with different models with different functions ,and product specifications vary from different countries and regions.
• Some functions are not available depending on different printer models. If you have any questions, please contact the Customer Service.
• These values are based on the initial data. For more information about the latest specifications, please visit: www.pantum.com.

13.1. Overview of the Specifications

Product Size(W*D*H)	354mm*334mm*232mm
Product Weight	6.8kg
Print Environment	Print temperature range:10~32℃
	Print humidity range:20%RH~80%RH
Power Voltage	110V Model: AC100-127V, 50Hz/60Hz, 9A
	220V Model: AC220-240V, 50Hz/60Hz, 4.5A
Noise (acoustic pressure level)	Printing：≤52dB(A)
	Standby:≤30dB(A)
	Mute mode: ≤46 dB (A)
Enter network standby time	1 minute
Power Consumption	Network standby: 1.3W
	Standby: ≤50W
	Shutdown: ≤0.5W
	TEC: conforming to requirements of Chinese energy efficency rating
Operating system	Microsoft Windows XP/ Windows Vista/ Windows 7/ Windows 8/ Windows 8.1/ Windows 10/ Windows 11/ Windows Server 2003/ Windows Server 2008/ Windows Server 2012（32/64 Bit）
	macOS 10.9/10.10/10.11/10.12/10.13/10.14/10.15/11.6/12.1
	Linux (Ubuntu 14.04/ Ubuntu 16.04/ Ubuntu 18.04/ Ubuntu 20.04)
	iOS 11.0-16.0
	Android 6.0-12.0
	HarmonyOS 2.0-3.0
Communication interface	USB 2.0 (High Speed)
	IEEE802.11b/g/n
Frequency Band	2400MHz-2483.5MHz
Maximum output power (Declaration for EU Compliance)	≤20dBm EIRP
Print Time of First Page	≤8.5 sec
Maximum printable size	216mm*356mm

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