

User Guide

Pantum BP5100 Series
Monochrome Laser Printer

PANTUM

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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Version: V3.1

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

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



or



Safety Warning

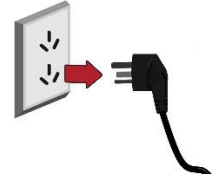
Please note the following safety warnings before using the printer:



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°C and 40°C 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 uncontrolled environments. This equipment should be installed and operated with a minimum distance of 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. NOTE: 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. Warning: Changes or modifications to this unit 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 2.45W 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. Administrative Regulations on Low Power Radio Waves Radiated Devices

For any certified low-power RF devices, any company, firm, or user is not allowed to change the frequency, increase the power, or change the characteristics and functions of the original design without approval.

The use of low-power RF device shall not affect flight safety and interfere with legal communication; if interference is found, it shall be immediately deactivated and improved until no interference is required.

Legal communication in the preceding paragraph refers to radio communications operating in accordance with the provisions of the Telecommunications Act.

Low-power RF device must withstand interference from legal communications or radiological electrical equipment for industrial, scientific, and medical use.

32. The operations near the radar system shall not be influenced.

The directed antenna with high gain must apply to the fixed point-to-point system only.

33. 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.

Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information

Unique Identifier

Trade Name: Pantum

Model No.: BP51****(suffix *: A-Z, 0-9, hyphen or blank)

Responsible Party – U.S. Contact Information

Company Name: PANTUM (USA) CO.,LTD

Office address:13875 Ramona Ave.,Chino, CA 91710

TEL: 626-965-6662

FCC Compliance Statement

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.

USA Only

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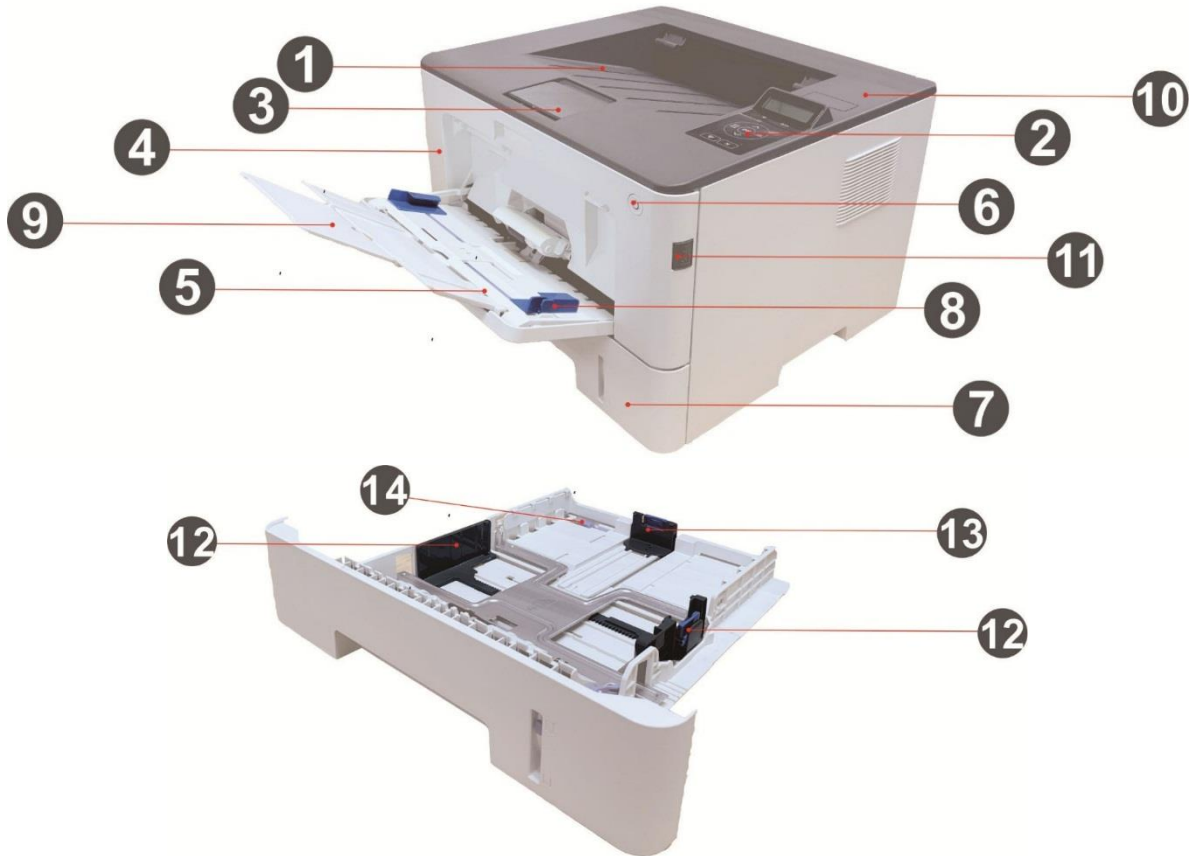
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01 Before Using the Printer

Product View

Side view



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	Multipurpose feed tray	For placing media to be printed in multi-purpose 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 width guide of multi-purpose tray	Slide paper deflector to adapt to paper width.
9	Paper length guide of multi-purpose tray	Adjust the paper length guide to match the paper length.
10	NFC (Near Field Communication) label	Touch this label on mobile device to download or start Pantum printer App and connect Wi-Fi Directly.
11	Front cover button of printer	For opening and closing the front cover of the printer.
12	Paper width guide of tray	Slide paper width deflector to adapt to paper width.
13	Paper length guide of tray	Slide paper length deflector to adapt to paper length.
14	Clip of extended tray of the paper tray	For adjustment of length extension of the tray .

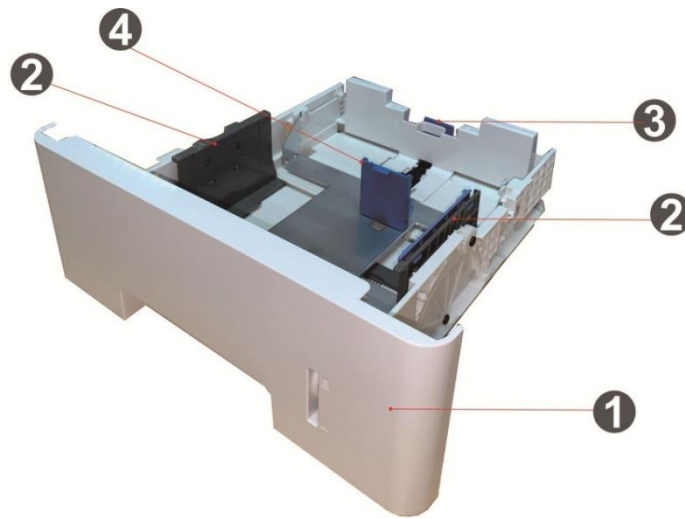
Rear View



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.

Optional tray



1	Optional tray	For placing media to be printed in optional tray.
2	Paper width guide of tray	Slide paper width deflector to adapt to paper width.
3	Paper length guide of tray	Slide paper length deflector to adapt to paper length.
4	A5/A6 stopper	Install the stopper to match the A5 L/A6 paper size.

Note: • The printer can support up to two optional trays.

- If you want to buy optional trays, please contact the local dealer who has purchased the printer.
- Printer appearance may differ because of various models and functions, so the schematic diagram is only for your reference.
- If you need to print A5 L, A6 size, please install A5/A6 stopper on the tray first. For installation, please refer to the Quick Installation Guide for optional accessories.
- A5/A6 stopper is not available separately, please keep it properly.

Control Panel

The layout of the printer control panel is shown below:



No.	Name	Functions
1	LCD Display	Display operation interface and product information.
2	Wi-Fi indicator/save toner indicator	Indicate Wi-Fi connection status (applicable to Wi-Fi model only). Indicate the on/off of save toner function
3	Toner cartridge/status indicator	Indicate the status of toner cartridge and printer
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	Wi-Fi key/save toner key	<p>Short press Wi-Fi button to turn on direct Wi-Fi connection of the printer and automatically print out "Mobile Device Wi-Fi Connection Wizard" page (for models with Wi-Fi function only).</p> <p>Long press Wi-Fi button for over 2s to start WPS when Wi-Fi is not connected or to disconnect Wi-Fi when it has already been connected (for models with Wi-Fi function only).</p> <p>Open save toner function(applicable to non-Wi-Fi model only).</p>
10	Cancel	Execute cancel operation.

02 Paper and Print Media

Paper Specification

Automatic Feeder Tray	Media Type	Plain paper(70~105g/m ²),thin paper(60~70g/m ²),thick Paper(105~120g/m ²),Transparent film,Recycled Paper
	Media size	A4, Letter, Legal, Folio, Oficio, Statement, Executive, JIS B5, ISO B5, A5, A5 L, A6, B6, 16K, Big 16K, 32K, Big 32K, Custom
	Media weight	60~120 g/m ²
	Maximum capacity of the tray	250 pages (80 g/m ²)
Multipurpose feed tray	Media Type	Plain paper(70~105g/m ²),thin paper(60~70g/m ²),thick paper(105~120g/m ²),Carton paper,Label paper, Envelope,Thicker
	Media size	A4, Letter, Legal, Folio, Oficio, Statement, Executive, JIS B5, ISO B5, A5, A5 L, A6, B6, Monarch Env, DL Env, C5 Env, NO.10 Env, C6 Env, Japanese Postcard, Postcard, ZL, 16K, Big 16K, 32K, Big 32K, Yougata4, Younaga3, Nagagata3, Yougata2, Custom
	Media weight	60~200 g/m ²
	Maximum capacity of the tray	60 pages(80 g/m ²)
Optional Tray 1/2	Media Type	Plain paper(70~105g/m ²),thin paper(60~70g/m ²),thick Paper(105~120g/m ²),Recycled Paper
	Media size	A4, Letter, Legal, Folio, Oficio, Statement, Executive, JIS B5, ISO B5, A5, A5 L, A6, 16K, Big 16K, Custom
	Media weight	60~120 g/m ²
	Maximum capacity of the tray	550 pages(80 g/m ²)

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.

Loading Paper

Install the multipurpose feed tray

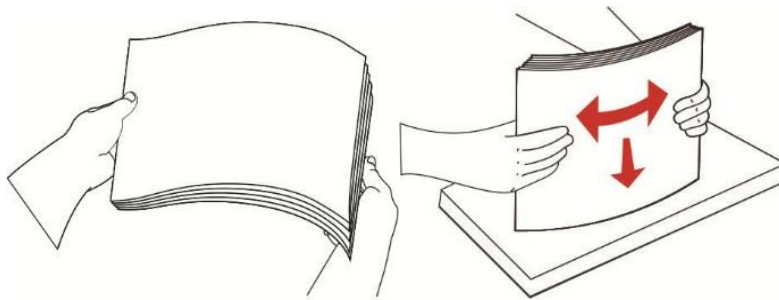
1. Open the multipurpose feed tray.



2. Slide the paper guide of the multipurpose feed tray to match both sides of the paper. Do not apply excessive force; otherwise, paper jamming or tilting may occur.



3. Unfold the stack of paper for feeding to avoid jamming or feeding error, place the side of paper to be printed upwards into the automatic feed tray. The multipurpose feed tray can hold up to 60 pieces of 80g/m² paper.



4. Place the printing media flatly into multipurpose feed tray with both hands.

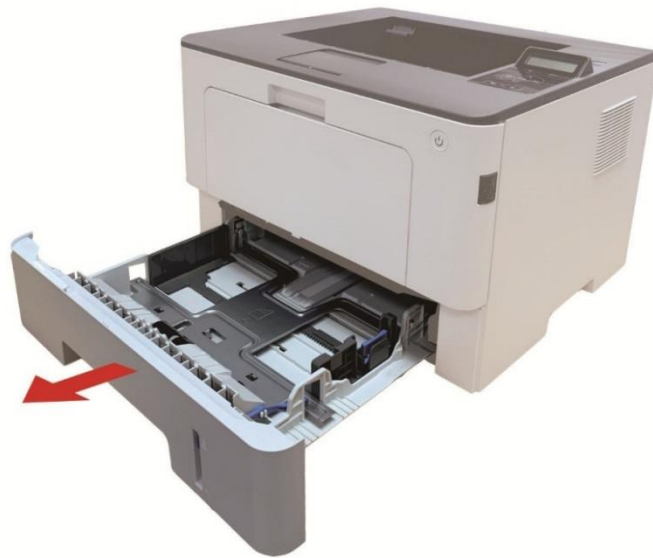
5. Raise the output tray to avoid the printed paper from slipping and falling, or immediately remove the printed document after the printing is complete.



- Note:** • Place the side of paper to be printed upwards into the multipurpose feed tray and ensure top of the paper enters the tray first.
- After printing, please take out printed papers output from printer immediately. Stacked papers or envelopes will lead to paper jam or wrapped paper.

Installing automatic tray

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

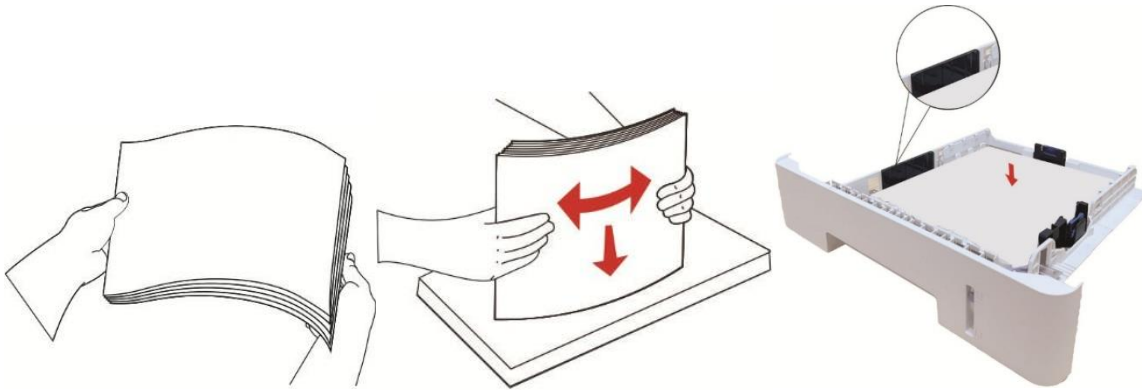


2. Slide the clip of extended tray of auto feed tray, paper length deflector and paper width deflector to the slot suitable for paper size, in order to match paper length and width.



- 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.

Installing optional tray

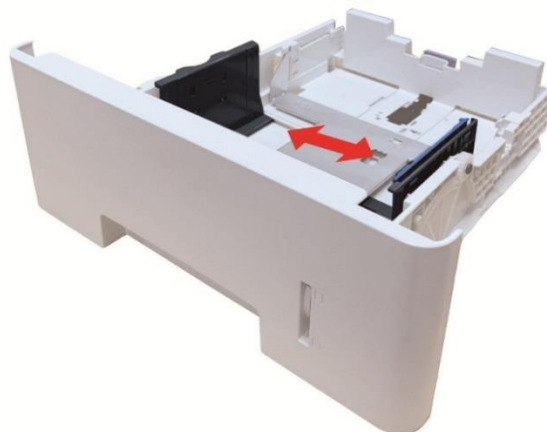
Note: • For the installation of optional trays, please refer to [“Installing optional tray”](#) or the Installation Guide supplied with the optional trays.

• Before you use it, please remove the A5/A6 stopper before loading paper.

1. Pull out the optional tray completely from the printer.



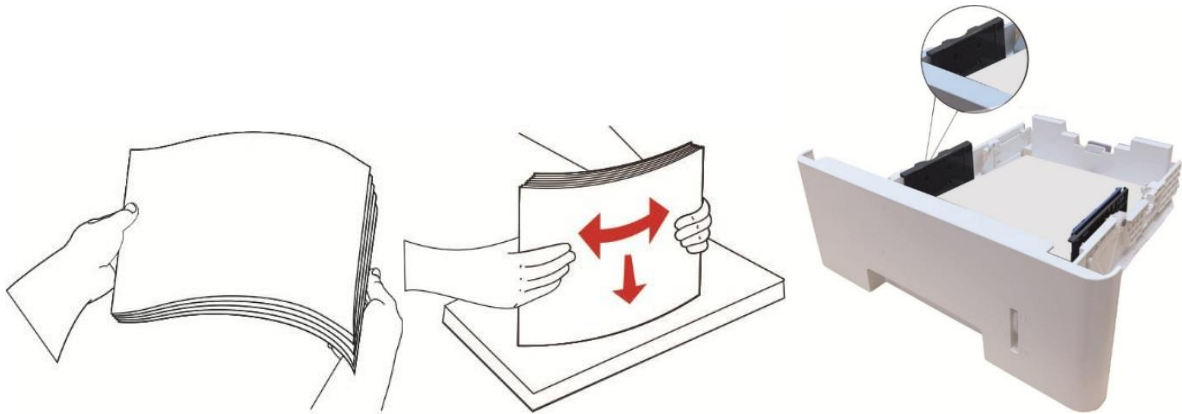
2. Slide the paper length guide and paper width guide to the slot suitable for paper size, to match paper length and width.



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

• To load Legal size paper, press inwards the Release button at the rear end of the tray and pull out the rear end of the tray to lengthen the tray.

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. An optional tray can hold up to 550 pieces of 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: • If more than 550 pieces of paper (80g/m²) are put inside the optional tray at one time, it will lead to paper jam or paper feed failure.
• For single-sided printing, please make sure that the side to be printed (the blank side) faces down.

03 Driver installation and uninstallation

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.

One-click Installation(For Windows and macOS)

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

Connect printer via Wi-Fi

Configure Wi-Fi and install driver via USB cable

1. Connect computer to router via Wi-Fi

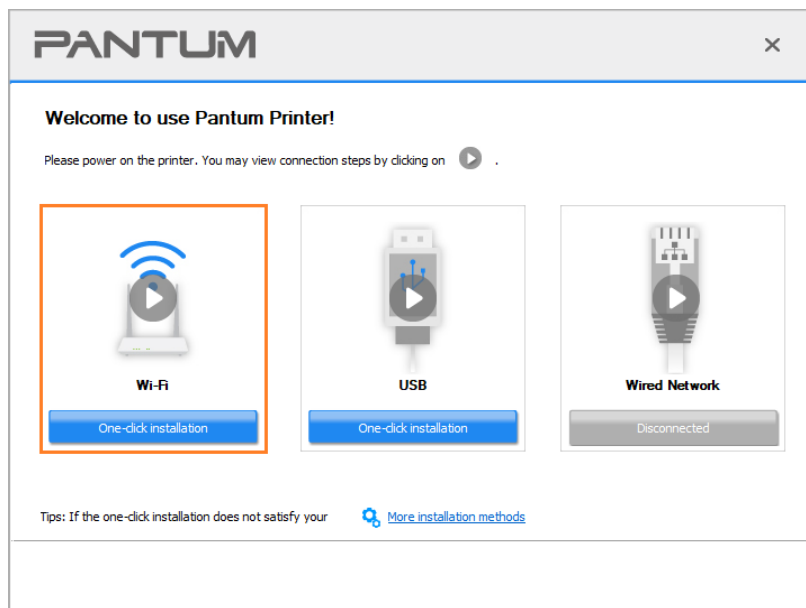
Note: • You can print "Network configuration page" to confirm printer network connection status to see if printer is connected with network

2. Connect the printer to computer via USB cable, then power the printer on.

3. Insert the accompanying installation disk into the computer CD drive, or log in to Pantum official website (www.pantum.com) to download the drive.

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 "One-click installation" button under Wi-Fi 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.

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.

Plug and Play installation

You can complete the driver installation via the "plug and play" function. The specific steps are as follows:

1. Connect the printer to the computer via a USB cable, and the driver will be automatically installed without CD/DVD.

Note: • Make sure that the printer and computer are in a ready state.

• Make sure that the operating system is up to date and the network is connected.

2. You can go to the "View Devices and Printers" page to confirm whether the installation was successful.

Uninstall Driver

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.

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.

04 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.

Set IP Address

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

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 or check network information by viewing the control panel of printer . 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.

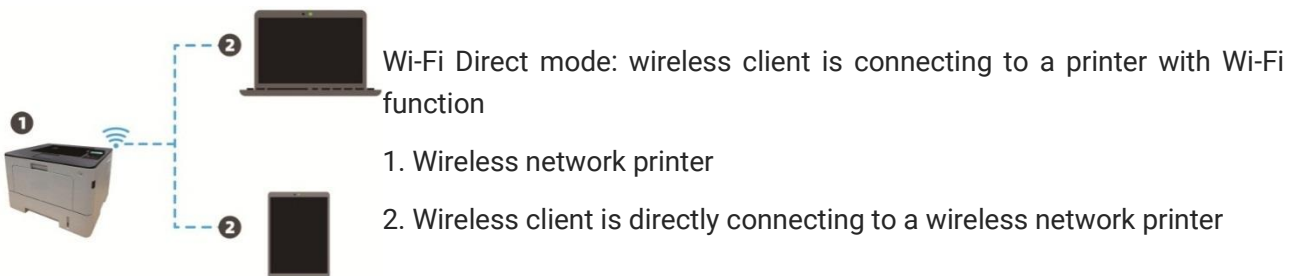
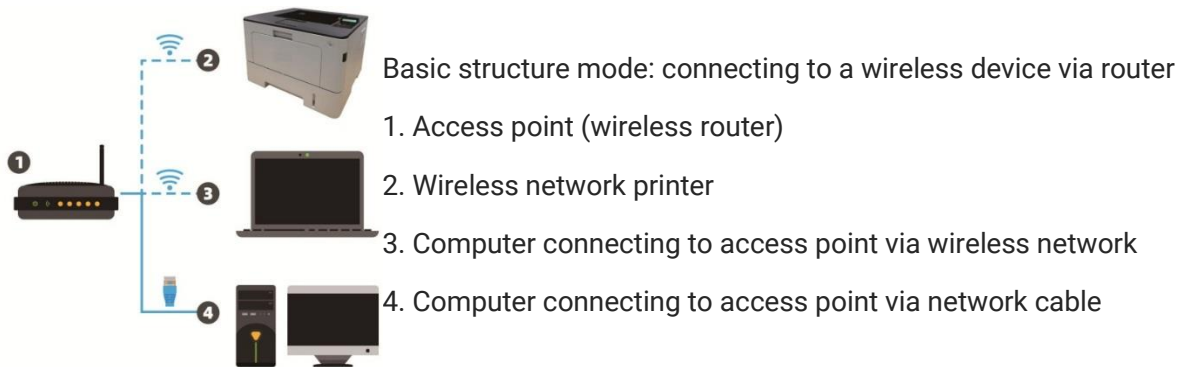
Manual Setting

To set up IP address for printer through the control panel of printer manually

To set up IP address for printer through the embedded Web server manually

05 Wireless network setup (applicable to Wi-Fi models)

Wireless network connection type is divided into basic structure mode and Wi-Fi Direct mode.



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.

Preliminary preparations

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

Setup methods of wireless network setup tools

Take the wireless network setup tool in computer.

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

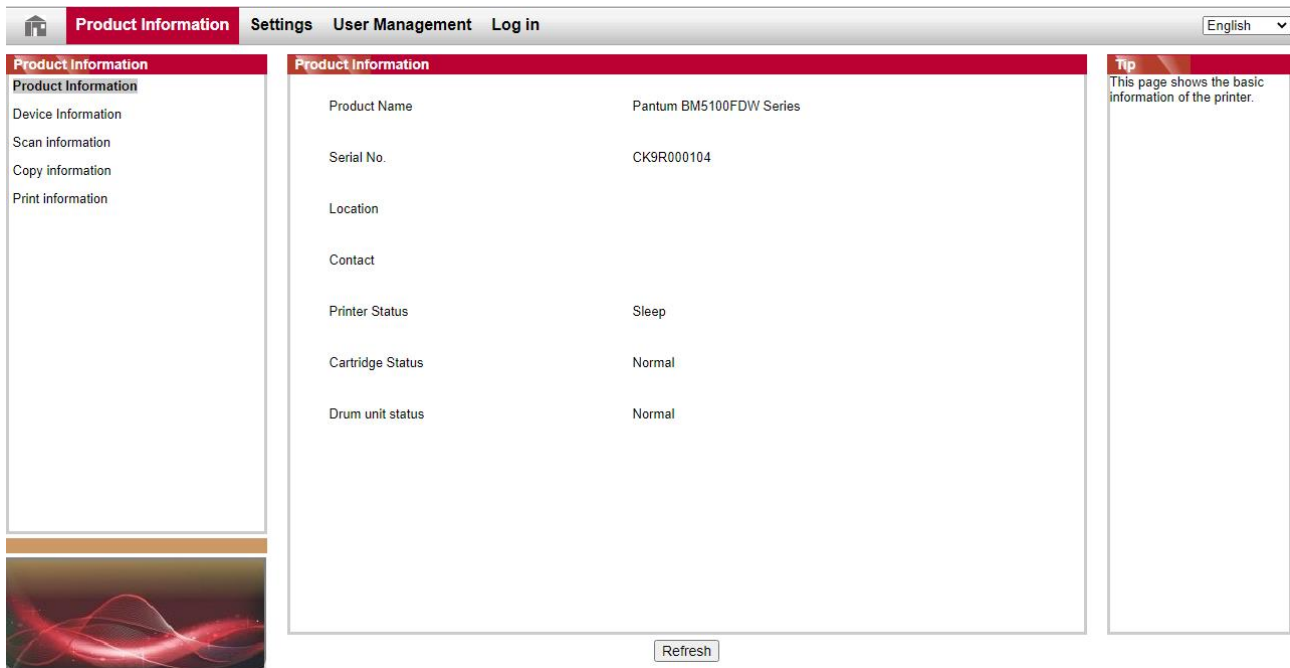
2) macOS system: click "Go" - "Applications" - "Pantum" - "Utilities" - "Wireless Network Configuration Tool" on the computer Finder menu bar.

How to disable the Wi-Fi network connected

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

06 Web server

You can manage printer setup via the embedded Web server.



The screenshot displays the embedded Web server interface for a printer. The top navigation bar includes a home icon, "Product Information", "Settings", "User Management", and "Log in", along with a language dropdown set to "English". The main content area is divided into three sections:

- Product Information (Left Sidebar):** A vertical menu with options: Product Information (selected), Device Information, Scan Information, Copy information, and Print information.
- Product Information (Main Content):** A table displaying printer details:

Product Name	Pantum BM5100FDW Series
Serial No.	CK9R000104
Location	
Contact	
Printer Status	Sleep
Cartridge Status	Normal
Drum unit status	Normal
- Tip (Right Sidebar):** A red header box containing the text: "This page shows the basic information of the printer."

A "Refresh" button is located at the bottom center of the main content area.

Visit the embedded Web server


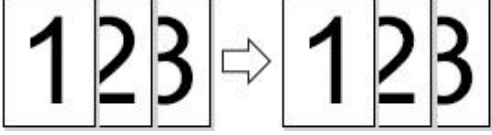
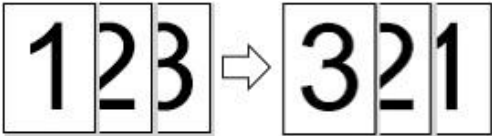


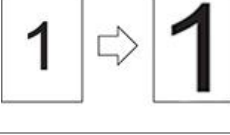


1. Turn on the power of printer and computer.
2. Connect the printer to network to ensure that the printer is connected to the network where the computer is connected to
3. Input the IP address of printer in the address bar of Web browser to visit the Web server imbedded in printer.
4. Click "Log in" 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.

07 Print

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	
Booklet printing	
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 Preferences and click the Help button to view detailed function description. Please refer to ["Open Help Document"](#) for the method to open help document.

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.

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.

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 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:

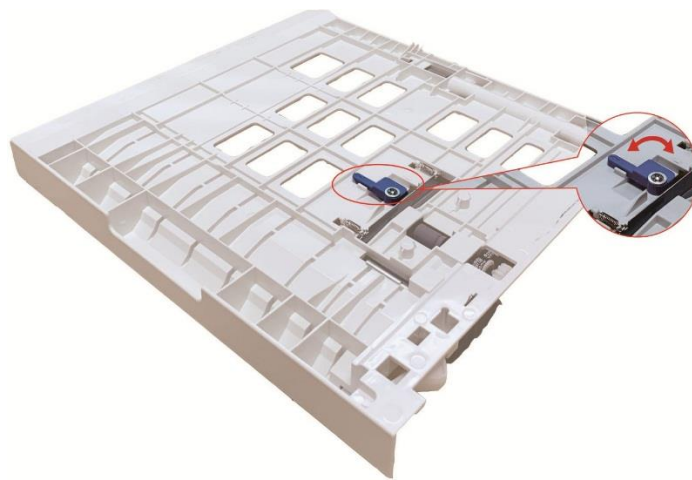
1. Draw out duplex unit.



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.



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.

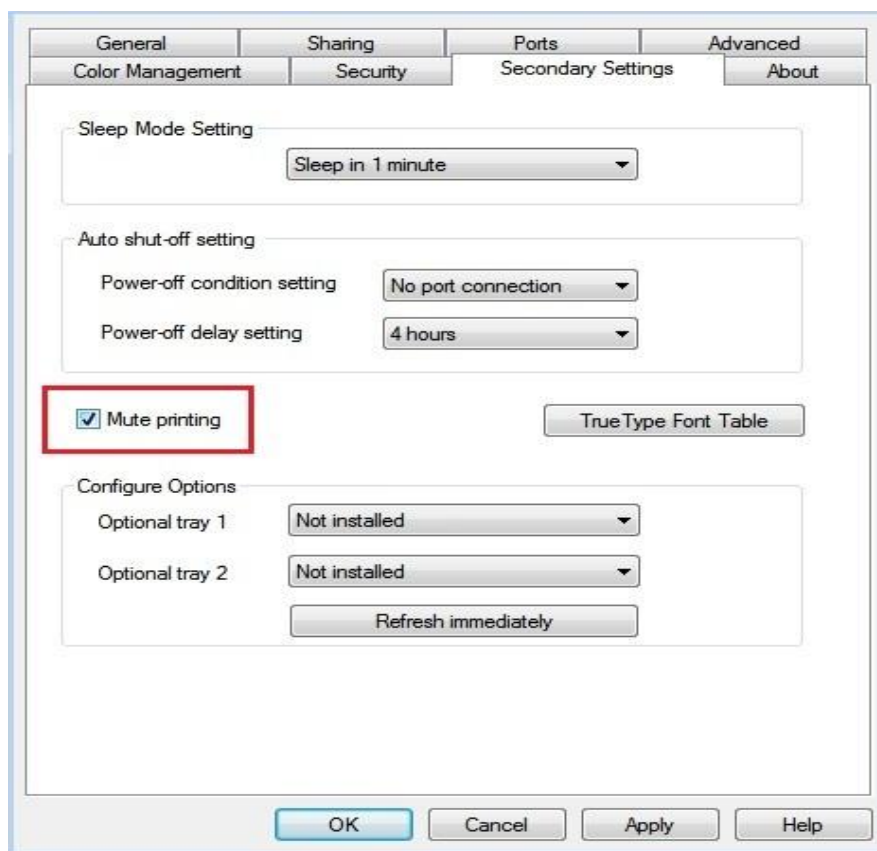
Mute Printing

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: • You may also set mute printing directly with the keys on control panel.

08 Routine Maintenance

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

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.

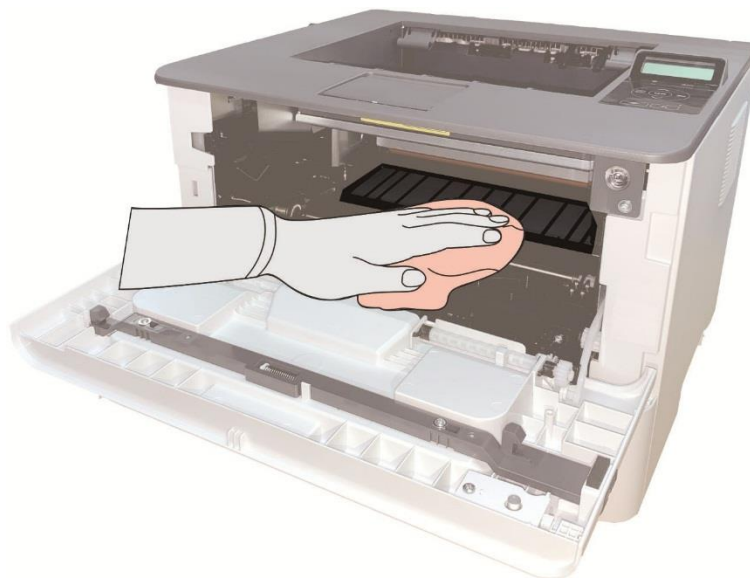


2. Open the front cover by pressing the front cover button, and take out the laser toner cartridge along the guide rail.

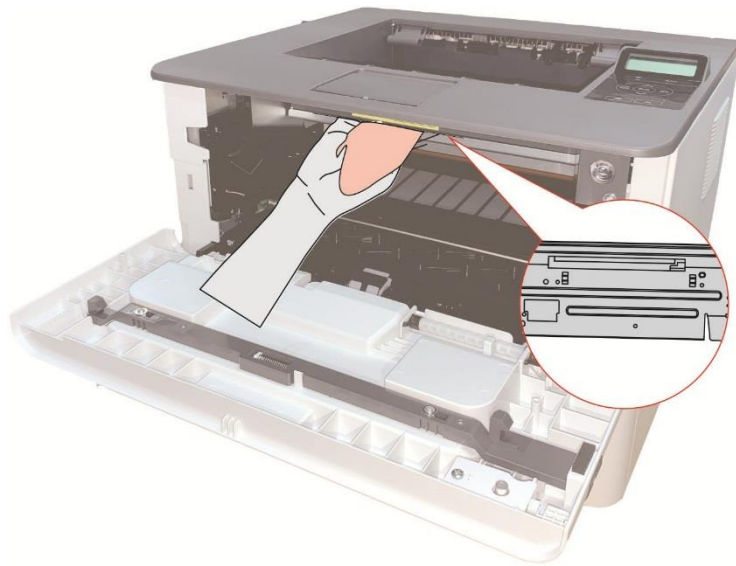


Note: • When removing the toner cartridge, put the toner cartridge in a protective bag or wrap it with thick paper to avoid direct light damaging the toner cartridge.

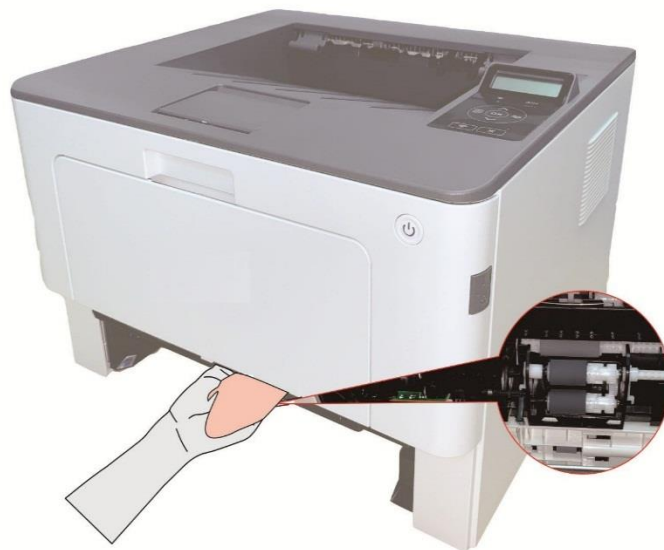
3. Clean the inside of the printer by gently wiping the shaded area, as shown in picture, with a dry and lint-free cloth.



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.



Toner cartridge and drum component component maintenance

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 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 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.

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:

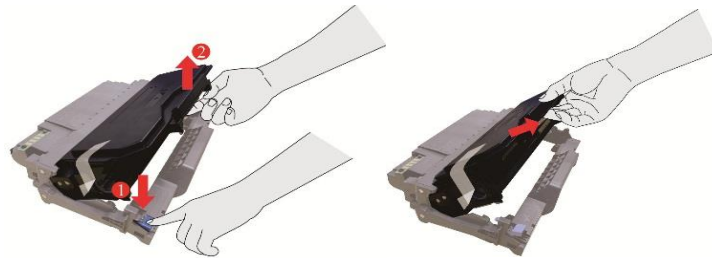
1. Power off the printer.



2. Open the front cover by pressing the front cover button, and take out the laser toner cartridge along the guide rail.



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.



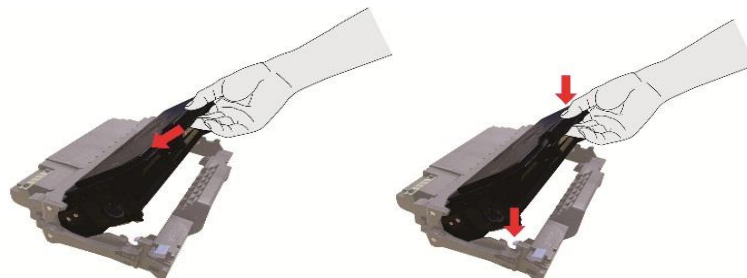
4. Open the package of the new toner cartridge and hold the toner cartridge handle to shake it left and right for 5 – 6 times, so that the toner inside can be uniformly dispersed.



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:

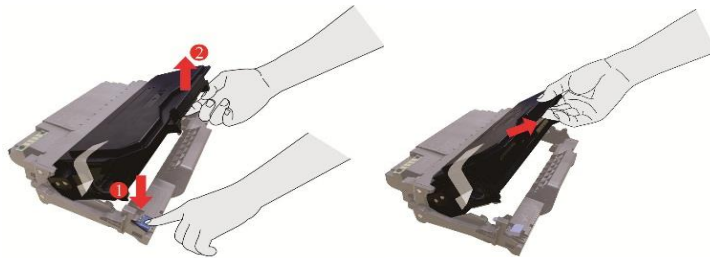
1. Power off the printer.



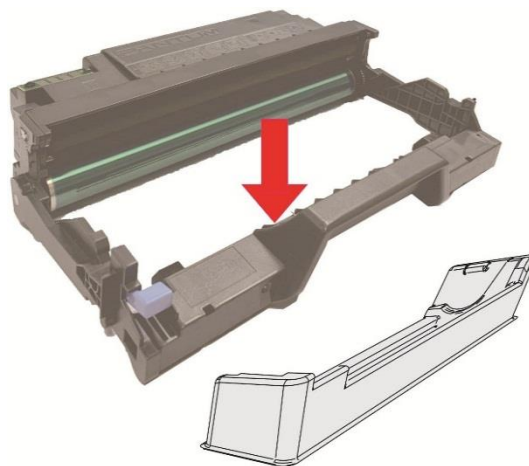
2. Open the front cover by pressing the front cover button, and take out the laser toner cartridge along the guide rail.



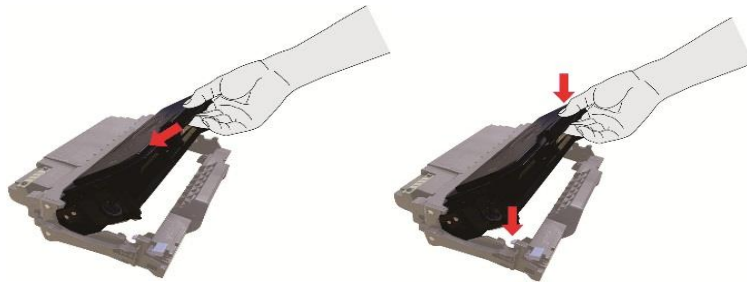
3. Press the blue button on the left side of drum component with left hand and lift the toner cartridge handle with right hand at the same time to take the toner cartridge out.



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.

Installing and removing the optional tray

Installing optional tray

This printer supports the use of optional trays, and can hold up to 2 optional trays. Each tray can hold up to 550 pieces of 80g/m² paper. If you want to buy optional trays, please contact the local dealer who has purchased the printer.

1. Turn off the printer.



2. Unplug the power cord from the electrical outlet, and then unplug the power cord from the printer.
3. Unpack the optional tray, and then remove all packaging materials.
4. Make sure the printer body and optional trays are placed correctly, as shown in the figure below.



5. Plug the power cord into the printer and turn on the power.

After installing the optional tray, you need to update the printer status again (For how to update the printer status, see ["Updating the optional tray status"](#)) .

Note: • For precautions on loading paper, see ["Paper and Print Media"](#).

• For the type of media to be printed with the optional tray, see the ["Paper Specification"](#).

• For the installation of optional trays, please refer to the Installation Guide supplied with the optional trays.

Removing the optional tray

1. Turn off the printer.



2. Unplug the power cord from the electrical outlet, and then unplug the power cord from the printer.

3. Lift the printer body with both hands and remove the optional trays.



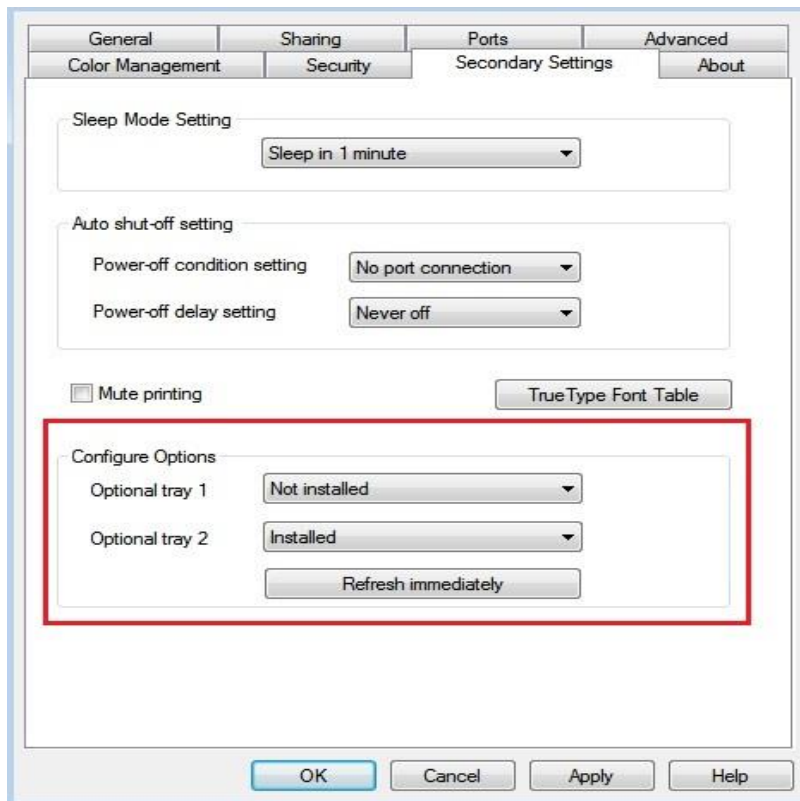
After removing the optional tray, you need to update the printer status again (For how to update the printer status, see ["Updating the optional tray status"](#)).

Updating the optional tray status

Each time you install/remove the optional trays, you need to manually update the printer driver status. Take Windows 7 as an example for this section.

1. Install the printer driver (please refer to ["How to install Windows printer driver"](#) for installation).
2. Enter the "Start menu" - "Control panel" - view "Device and Printer".
3. Right-click the printer icon and select "Printer Properties" in the pull-down menu.
4. Enter the "Auxiliary Settings" option. to set the corresponding configuration options.

5. Click "Refresh Now-Check Printer" - "OK/Apply" to update the printer status.



09 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.

Cleaning Jammed Paper

Paper jam of auto feed tray

1. Pull out the automatic tray.



2. Gently pull the jammed paper out.



3. After removing the jammed paper, reinsert the automatic tray into the printer; press the front cover button to open and close the front cover, and the printer will resume printing automatically.



Paper jam of manual feed tray

1. Gently pull the jammed paper out.



2. After removing the jammed paper, reload paper into the multi-purpose tray; press the front cover button to open and close the front cover, and the printer will resume printing.



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 out the automatic tray.



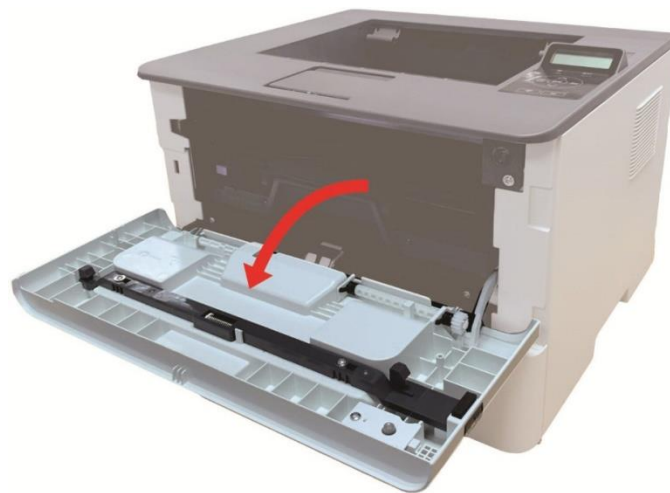
2. Gently pull the jammed paper out.



3. Installing automatic tray.



4. Open the front cover by pressing the front cover button on printer.



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 wrap 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.

Paper jam of multipurpose feed tray

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.



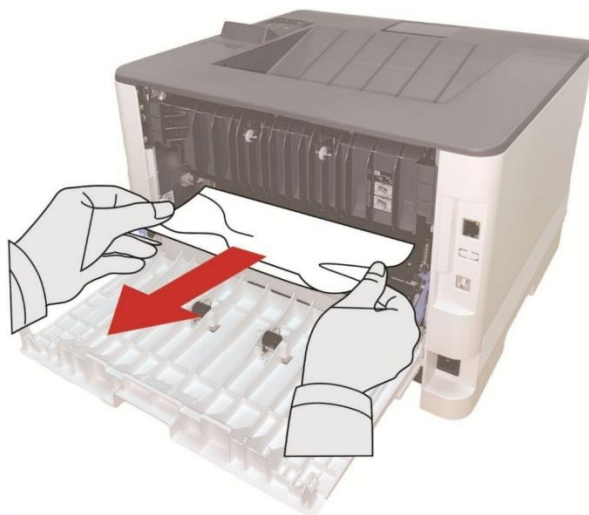
1. Open the rear cover of the printer.



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.



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.

Paper jam of optional tray

1. Pull out the optional tray.



2. Gently pull out the jammed paper.



3. After removing the jammed paper, reinsert the optional tray into the printer, and the printer will resume printing automatically.



If paper cannot be seen in this area, stop and go to the next step:
1. Pull out the automatic tray.



2. Remove the jammed paper from the automatic tray.



3. After removing the jammed paper, reinsert the automatic tray into the printer, and the printer will resume printing automatically.



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.





Common Troubleshooting

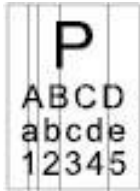
Common Problems

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

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

Image Defects

Problem	Cause	Solution
 <p>The printout is whitish or light</p>	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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.
 <p>Toner spots</p>	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • It is suggested to replace the original toner cartridge. • Please use the print media within the specification range. • Clean the paper path.
 <p>White spots</p>	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Please use the print media within the specification range. • Clean the paper path. • It is suggested to replace the original toner cartridge.
 <p>Toner comes off</p>	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Use the printing medium that meets specifications. For printing on a special medium, use the multipurpose feed tray. • Please print with corresponding paper medium. • Clean the inside of the printer. • It is suggested to replace the original toner cartridge.



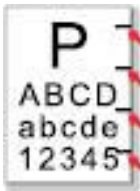
Black vertical stripes

- 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.
- Please use the "Clean & Fix" function to clean the fuser unit of the 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.



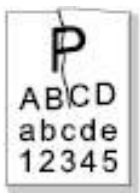
Cyclical traces appear

- 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

- 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.

printout is dirty



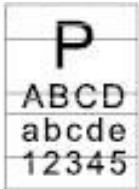
Whole page dark

- 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.
- Use the printing medium that meets specifications. For printing on a special medium, use the multipurpose feed tray.
- 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.

10 Product Specifications

- Note:** • Specification values vary slightly from printers with different models with different functions ,and product specifications vary from different countries and regions.
- These values are based on the initial data. For more information about the latest specifications, please visit: www.pantum.com.

Overview of the Specifications

Product Size(W*D*H)	362mm*340mm*257mm
Product weight (excluding the toner cartridge and package supplied along with the printer)	7.8Kg
Print Environment	Print temperature range: 10~32°C Print humidity range :20%RH~80%RH
Power Voltage	110V Model: AC110-127V,50Hz/60Hz,14A 220V Model: AC220-240V,50Hz/60Hz,7A
Noise (acoustic pressure level)	Printing: ≤54dB(A) Standby: ≤30dB(A) Mute mode:≤50 dB (A)
Enter network standby time	1 min
Default auto shutdown time (EU Only)	2 hours
Power Consumption	Network standby: <3W Standby:<50W Shutdown: <0.5W TEC: Comply with Energy Star requirements and China energy efficiency grade
Operating system	Microsoft Windows XP(32 bit)/ Windows 7/ Windows 8.1/ Windows 10(32/64 bit)/ Windows 11(64 bit)/ Windows Server 2012/ Windows Server 2016/ Windows Server 2019/ Windows Server 2022(64 bit) macOS10.10/10.11/10.12/10.13/10.14/10.15/11.5/11.6/12.0.1/12.3/12.4/12.5/13 Linux (Ubuntu 16.04 (32/64 Bit)/18.04/20.04/22.04(64 Bit)LTS);Debian 10.0/11.0 (32/64 Bit);Redhat 8.0/9.0 (64 Bit);Astra Linux Special Edition V1.6/V1.7;Centos 7 (32/64 Bit);Centos 8.2(64 Bit) iOS 7.0-13.0 Android 5.1-10.0

Communication interface	USB 2.0(High Speed)
	Wired network: IEEE 802.3 10/100/1000Base-Tx
	Wi-Fi (2.4G/5G): IEEE 802.11a/b/g/n (support WPS)
Frequency Band	NFC : 13.56MHZ
	Wi-Fi 2.4GHz : 2412MHz - 2472MHz
	Wi-Fi 5GHz : 5180MHz - 5700MHz
	Wi-Fi 5.8GHz : 5745MHz - 5825MHz
<p>Note: The above frequency bands are common frequency bands, and different markets will restrict the use of certain frequency bands according to the country's regulatory requirements.</p>	
Maximum output power (Declaration for EU Compliance)	WLAN 2.4GHz(2412 - 2472MHz) : 18.58dBm EIRP
	WLAN 5GHz(5180 - 5700MHz) : 21.73dBm EIRP
	WLAN 5GHz(5745 - 5825MHz) : 13.58dBm EIRP
Print Time of First Page	6.9sec
Maximum printable size	216mm*356mm

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