

# User Guide

# PANTUM

WWW.PANTUM.COM

## Pantum CP1100 Series Color 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.

## Legal Notice

### Trademark

Pantum and Pantum logos are registered trademarks of Zhuhai Pantum Electronics Co.,Ltd.

Microsoft®, Windows®, Windows Server® and Windows Vista® are trademarks registered by Microsoft Corporation in the United States or other countries/regions.

Mopria®, the Mopria® Logo, and the Mopria Alliance™ word mark and logo are registered and/or unregistered trademarks and service marks of Mopria Alliance, Inc. in the United States and other countries. Unauthorized use is strictly prohibited.

Apple, AirPrint and macOS are trademarks of Apple Inc., registered in the U.S. and other countries. Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards.

Wi-Fi Direct, Wi-Fi Protected Setup(WPS), WPA, WPA2, and Wi-Fi Protected Access are marks of the Wi-Fi Alliance.

The ownership to the names of the software in this User Guide belongs to their respective companies in accordance with corresponding license agreement, and they are referred for instructions only.

All other product and brand names herein may be the registered trademarks, trademarks or service marks of their respective owners, and they are referred for instructions only.

### Copyright

The Copyright of this User Guide is owned by Zhuhai Pantum Electronics Co.,Ltd.

It is prohibited to copy, translate, modify and transmit this User Guide by any means or in any form without the prior written consent of Zhuhai Pantum Electronics Co.,Ltd.

Version:V1.0

### Disclaimer

For a better user experience, Zhuhai Pantum Electronics Co.,Ltd. reserves the right to make changes to the User Guide. The information contained herein is subject to change without notice.

Users are responsible for any damages arising from failing to follow this User Guide. Meanwhile, except the express warranty made in the product maintenance manual or service commitment, Zhuhai Pantum Electronics Co.,Ltd. does not make any express or implied warranty or guarantee to this User Guide (including composing or words).

Using this product to copy, print, scan certain documents or images or make other forms of operations may be prohibited by the local laws. If you are uncertain about the legality of using this product for certain documents or images, you should consult your legal advisor in advance.

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

## 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.	

---

# Safety Information

## Conventions

CAUTION: A caution indicates a potentially hazardous situation that could injure you.

Note: A note indicates the information that could help you or something that could damage the product hardware or software.

Different types of caution statements include:



CAUTION - POTENTIAL INJURY: Indicates a risk of injury.



CAUTION - SHOCK HAZARD: Indicates a risk of electrical shock.



CAUTION - HOT SURFACE: Indicates a risk of burn if touched.



CAUTION - TIPPING HAZARD: Indicates a crush hazard.



CAUTION - PINCH HAZARD: Indicates a risk of being caught between moving parts.



CAUTION - ROTATING FAN BLADES: Indicates a risk of being lacerated by moving fan blades.

## Disclaimer



CAUTION - POTENTIAL INJURY: To avoid the risk of fire or electrical shock, connect the power cord to an appropriately rated and properly grounded electrical outlet that is near the product and easily accessible.



CAUTION - POTENTIAL INJURY: To avoid the risk of fire or electrical shock, use only the power cord provided with this product or the manufacturer's authorized replacement.



CAUTION - POTENTIAL INJURY: Do not use this product with extension cords, multioutlet power strips, multioutlet extenders, or UPS devices. The power capacity of these types of accessories can be easily overloaded by a laser printer and may result in a risk of fire, property damage, or poor printer performance.



CAUTION - POTENTIAL INJURY: Do not use this product with an inline surge protector. The use of a surge protection device may result in a risk of fire, property damage, or poor printer performance.



CAUTION - SHOCK HAZARD: To avoid the risk of electrical shock, do not place or use this product near water or wet locations.



CAUTION - SHOCK HAZARD: To avoid the risk of electrical shock, do not set up this product or make any electrical or cabling connections during a lightning storm.



CAUTION - POTENTIAL INJURY: Do not cut, twist, bind, crush, or place heavy objects on the power cord. Do not subject the power cord to abrasion or stress. Do not pinch the power cord

---

between objects such as furniture and walls. If any of these things happen, it could result in a risk of fire or electrical shock. Inspect the power cord regularly for signs of such problems. Remove the power cord from the electrical outlet before inspecting it.



**CAUTION - SHOCK HAZARD:** To avoid the risk of electrical shock, make sure that all external connections (such as Ethernet) are properly installed in their marked plug-in ports.



**CAUTION - SHOCK HAZARD:** To avoid the risk of electrical shock, if you are accessing the controller board or installing optional hardware or memory devices after setting up the printer, turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, turn them off as well, and unplug any cables going into the printer.



**CAUTION - SHOCK HAZARD:** To avoid the risk of electrical shock when cleaning the exterior of the printer, unplug the power cord from the electrical outlet and disconnect all cables from the printer before proceeding.



**CAUTION - POTENTIAL INJURY:** If the printer weighs more than 18 kg, then it requires two or more trained personnel to lift it safely.



**CAUTION - POTENTIAL INJURY:** When moving the printer, follow these guidelines to avoid personal injury or printer damage:

- Make sure that all covers and trays are closed.
- Turn off the printer, and then unplug the power cord from the electrical outlet.
- Disconnect all cords and cables from the printer.
- If the printer has casters on its base, then carefully move it to the new location. Use caution when passing over thresholds and breaks in flooring.
- Always use the handholds on the printer to lift it.
- Any cart used to move the printer must have a surface able to support the full footprint of the printer.
- Keep the printer upright.
- Avoid violent vibrations when moving.
- Make sure that your fingers are not under the printer when you set it down.
- Make sure that there is adequate clearance around the printer.



**CAUTION - HOT SURFACE:** The inside of the printer might be hot. To reduce the risk of injury by a hot component, allow the surface to cool before touching it.



**CAUTION - HOT SURFACE:** Some parts of the printer are still in high temperature within a short time after use. To prevent burns, please don't directly touch places labeled with high temperature warning in contact with internal components after opening the printer's front or rear cover.



**CAUTION - PINCH HAZARD:** To avoid the risk of a pinch injury, use caution in areas marked with this label. Pinch injuries may occur around moving parts, such as gears, covers, trays, and covers.



**CAUTION - ROTATING FAN BLADES:** To avoid the risk of laceration from moving fan blades, turn off the printer and unplug the power cord from the electrical outlet before accessing areas marked with this symbol.



**CAUTION - POTENTIAL INJURY:** This product uses lasers. Use of controls or adjustments or performance of procedures other than those specified in the User's Guide may result in hazardous radiation exposure.

This product is designed, tested, and approved to meet strict global safety standards with the use of specific manufacturer's components. The safety features of some parts may not always be obvious. The manufacturer is not responsible for any adverse consequences caused by using parts of other manufacturers. For services or repairs other than those described in the user document, please contact the Customer Service Center.

This product uses a printing process that heats the print media, and the heat may cause the media to release emissions. Please read and understand the section in your operating instructions that discusses the guidelines for selecting print media properly to avoid the possibility of harmful emissions.

This product may produce a small amount of ozone during normal operation, and may be equipped with a filter designed to limit ozone concentrations to levels well below the recommended exposure limits. To avoid high ozone concentration levels during extensive usage, install this product in a well-ventilated area and replace the ozone and exhaust filters if instructed to do so in the product maintenance instructions. If there are no references to filters in the product maintenance instructions, then it is not required to replace the filter for this product.

Please keep these safety instructions.

---

# Precautions

## Precautions before Using the Printer:

1. Read and understand all instructions;
2. Familiarize yourself with the basic principles associated with operating electrical appliances;
3. Comply with all warnings and instructions marked on the equipment or specified in the manual supplied with the equipment;
4. If the operating instructions conflict with the safety information, please refer back to the safety information, as you may have misunderstood the operating instructions. If you cannot resolve the conflicts, please call the Customer Service Hotline or contact a service representative for help;
5. Before cleaning the equipment, remove the power cord from the AC power supply outlet. Do not use liquid or aerosol cleaners;
6. Please make sure that the equipment is put on a stable desktop surface to avoid serious damage caused by the falling of the equipment;
7. Do not put the equipment near a radiator, an air conditioner, or a ventilation pipe;
8. Do not put any articles on the power cord. Do not put the equipment at the place where its power cord could be stepped on by people;
9. Outlets and extension cords must not be overloaded. This may reduce performance and could result in fire or electric shock;
10. Do not allow pets to chew on the AC power cord or the computer interface cable;
11. Do not allow sharp objects piercing equipment slot, so as to avoid contact with the high-voltage device, which otherwise may result in fire or electric shock. Take care not to spill liquids onto the equipment;
12. Do not disassemble the equipment so as to avoid the risk of electric shock. Necessary repairs may only be carried out by professional maintenance personnel. Opening or removing the cover could result in an electric shock or other potential hazards. Incorrect disassembly and assembly could also result in an electric shock during future use;
13. If any one of the following occurs, disconnect the equipment from the computer and pull out the power cord from the AC wall socket and contact a qualified member of the service personnel for maintenance:
  - Liquid has been spilled into the equipment.
  - The equipment has been exposed to rain or water.
  - The equipment falls, or the cover is damaged.
  - Significant changes in the equipment's performance.
14. Only adjust the control mentioned in the instructions. Incorrect adjustment of other controls may result in damage and mean that professional maintenance personnel need to spend more time fixing it;
15. Do not use the equipment in a thunderstorm so as to avoid the risk of an electric shock. If possible, pull out the AC power cord during a thunderstorm;
16. If you continuously print multiple pages, the surface of the tray will become very hot. Take care not to touch this surface, and keep children away from this surface;
17. The signal wire of the device connected with the printer can not be connected to the outdoors;

- 
18. Please ensure timely ventilation in case of a prolonged use or printing huge amounts of documents in a poorly ventilated room;
  19. In standby status, the product will automatically enter into the power saving (sleep) mode if it does not receive any job order for a while (such as 1 minute); and it can realize zero power consumption only if it has not been connected with any external input power supply;
  20. As the Class 1 equipment, the product must be connected to the power supply outlet with protective grounding line when using;
  21. This product should be placed according to the shipping marks on the product package box during delivery;
  22. This product is a kind of low-voltage equipment. When using this product below the specified voltage range, please refer to the product precautions or call 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 35°C and the relative humidity between 20% and 80%;
  25. 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.



The manufacturer of this product is: Zhuhai Pantum Electronics Co.,Ltd., No.3883, Zhuhai Avenue, Zhuhai, Guangdong, China 519060.

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 and safety requirements of EN 62368.

---



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

---

---

---

# Table of Contents

1. Before Using the Printer .....	1
1.1. Product series introduction .....	1
1.2. Supplied Accessories .....	2
1.3. Product View .....	1
1.4. Control Panel .....	3
1.4.1. Overview of control panel .....	3
1.4.2. Functions of consumable status indicator .....	6
1.4.3. Functions of paper status indicator .....	6
1.4.4. Functions of printer status indicator .....	7
1.4.5. Wi-Fi indicator/Toner Save indicator .....	8
1.4.6. Functions of power indicator .....	8
2. Paper and Print Media .....	9
2.1. Selecting paper .....	9
2.1.1. Paper guidelines .....	9
2.1.2. Paper characteristics .....	9
2.1.3. Unacceptable paper .....	10
2.1.4. Saving paper .....	10
2.2. Paper Specification .....	11
2.3. Special Paper .....	12
2.4. Einlegen von Papier .....	13
2.4.1. Einlegen von Papier in das Fach für automatischen Einzug .....	13
2.4.2. In manuellen Karton legen .....	15
2.5. Non-printable Area .....	16
3. Driver installation and uninstallation .....	17
3.1. How to install Windows printer driver .....	17
3.1.1. One-click Installation .....	17
3.1.2. Manual installation .....	30
3.1.3. Method of driver unistallation .....	37
3.2. macOS system driver installation .....	38
3.2.1. Driver installation .....	38
3.3. Add printer to macOS system .....	41
3.3.1. Add up the printer via USB .....	41
3.3.2. Add up the printer via wireline connection .....	41
3.3.3. Add up the printer via wireless connection .....	41
3.3.4. Add AirPrint printer .....	41
4. Wired network setup (applicable to wired network models) .....	43
4.1. Set IP Address .....	43
4.1.1. Automatic Setting .....	43
4.1.2. Manual Setting .....	43
5. Wireless network setup (applicable to Wi-Fi models) .....	44
5.1. Basic structure mode .....	44
5.1.1. Wireless network setup tools .....	44
5.1.2. Wi-Fi Protected Setup (WPS) setup .....	48

5.1.3. How to disable the Wi-Fi network connected.....	49
5.2. Wi-Fi Direct mode .....	50
5.2.1. Preliminary preparations .....	50
5.2.2. Wi-Fi Direct connection .....	50
5.2.3. How to disable the Wi-Fi Direct .....	51
5.3. Wireless network setup FAQs .....	52
6. Web server .....	53
6.1. Visit the embedded Web server .....	53
6.2. Use Web server to manage printer.....	54
6.2.1. IP address setup .....	54
6.2.2. Wireless setup .....	55
6.2.3. Machine setup.....	56
6.2.4. Recover factory settings via Web server .....	56
7. Print .....	57
7.1. Print Function.....	57
7.2. Print Settings .....	58
7.2.1. Setting the printing parameters .....	58
7.2.2. Print quality settings .....	59
7.2.3. Duplex .....	62
7.2.4. Booklet printing .....	64
7.2.5. Open Help Document.....	65
7.3. Printing Mode.....	66
7.3.1. Printing with the Automatic Feeder Tray.....	66
7.3.2. Printing with manual feed tray .....	67
7.4. Cancel printing .....	67
8. Mobile Print.....	68
8.1. Android device mobile printing .....	68
8.1.1. Pantum .....	68
8.1.2. Mopria mobile print .....	69
8.2. iOS device mobile printing .....	71
8.2.1. Pantum .....	71
8.2.2. AirPrint mobile print.....	72
9. General Settings .....	73
9.1. System Setting.....	73
9.1.1. Language Setting.....	73
9.1.2. Sleep Time Setting.....	74
9.1.3. Toner Save .....	75
9.1.4. Mute printing .....	76
9.1.5. Restore Factory Settings.....	77
9.1.6. Auto shut-off setting .....	78
9.2. Print Settings .....	79
9.2.1. Print Density .....	79
9.2.2. Color Calibration .....	80
9.3. Network Settings.....	81
9.4. Network Information .....	82
9.5. Print information report.....	83

---

---

9.6. Consumable information .....	84
10. Routine Maintenance .....	85
10.1. Cleaning the Printer .....	85
10.1.1. Cleaning the printer.....	85
10.2. Replacing parts and consumables .....	87
10.2.1. Replacing the toner cartridge .....	87
10.2.2. Replacing the waste toner bottle .....	90
10.2.3. Replace the tray.....	91
10.3 Move the printer .....	92
10.3.1. Move the printer to another location .....	92
10.3.2. Transporting the printer.....	92
11. Troubleshooting .....	93
11.1. Avoiding jams.....	93
11.1.1. Correct loading of paper.....	93
11.1.2. Use recommended paper.....	94
11.2. Locate jammed paper .....	94
11.3. Cleaning Jammed Paper.....	95
11.3.1. Paper jam in the automatic tray.....	95
11.3.2. Paper jam in the manual tray .....	97
11.3.3. Paper jam in the rear cover .....	98
11.4. Software Failure.....	100
11.5. Error Message .....	100
11.6. Common Troubleshooting .....	101
11.6.1. Common Problems .....	101
11.6.2. Image Defects.....	102
12. Product Specifications.....	107
12.1. Overview of the Specifications .....	107

# 1. Before Using the Printer

## 1.1. Product series introduction

Product series parameters		CP1100 series	CP1100W series	CP1100DN series	CP1100DW series
Interface type	USB	●	●	●	●
	NET			●	●
	Wi-Fi		●		●
Print Language	PDL	●	●	●	●
Control Panel	LED	●			
	LCD		●	●	●
Print Speed (single-sided)	A4 18ppm	●	●	●	●
	Letter 19ppm	●	●	●	●
Duplex			●	●	●
Mute printing		●	●	●	●

(●: Support; Blank: Unsupport)



**Note:** • This product series is subject to additions or changes without prior notice.

## 1.2. Supplied Accessories

Name	Parts
Laser Toner Cartridge	
Waste toner bottle	
USB Interface Cable	
Power Cord	
CD	
Quick Setup Guide	

Pantum Warranty

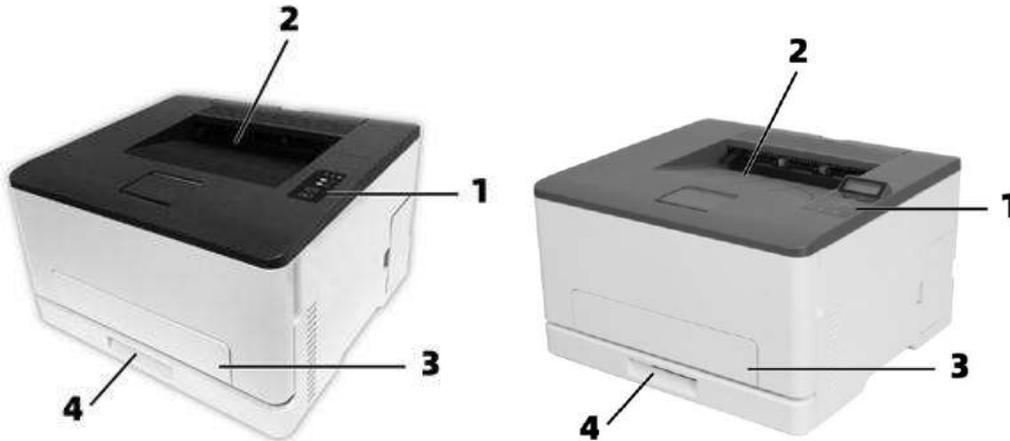


---

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

# 1.3. Product View

## Side view



---

1 Control Panel	Indicate printer status to conduct set operation.
2 Standard exit	For storing the printed paper.
3 Manual feed tray	For placing mediums that are printed in manual feed tray
4 Automatic Feeder Tray	For placing mediums that are printed in auto feed tray.

---

 **Note:** • Printer appearance may vary depending on the printer model and configuration; the schematic diagram is for reference only.

---

 : To avoid the risk of electrical shock, do not set up this product or make any electrical or cabling connections during a lightning storm.

 : To avoid the risk of fire or electrical shock, connect the power cord to an appropriately rated and properly grounded electrical outlet that is near the product and easily accessible.

 : Do not cut, twist, bind, crush, or place heavy objects on the power cord. Do not subject the power cord to abrasion or stress. Do not pinch the power cord between objects such as furniture and walls. If any of these things happen, it could result in a risk of fire or electrical shock. Inspect the power cord regularly for signs of such problems. Remove the power cord from the electrical outlet before inspecting it.

 : To avoid the risk of electrical shock, make sure that all external connections (such as Ethernet) are properly installed in their marked plug-in ports.

 : To avoid the risk of fire or electrical shock, use only the power cord provided with this product or the manufacturer’s authorized replacement.

---

 **Note:** • To avoid loss of data or printer malfunction, do not touch the USB cable, any wireless network adapter, or the printer in the areas shown in the printing process.

---

## Rear View



1	Network Interface(applicable to models supporting network function)	For connecting product to network with network cable.
2	USB Interface	For connecting product to computer with USB cable.
3	Power Interface	For connecting product to power with power cord.



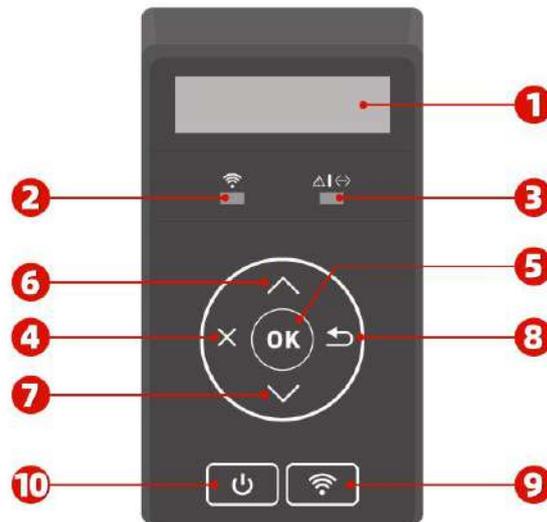
**Note:** • Printer appearance may differ because of various models and functions, so the schematic diagram is only for your reference.

## 1.4. Control Panel

### 1.4.1. Overview of control panel

The layout of the printer control panel is shown below:

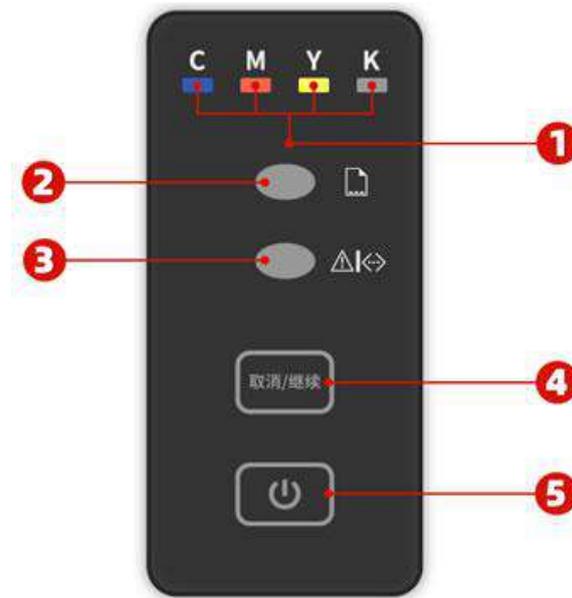
#### LCD control panel



No.	Name	Functions
1	LCD Display	Display operation interface and product information.
2	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 (applicable to non-Wi-Fi model only). (Please refer to <a href="#">Chapter1.4.5</a> )
3	Toner cartridge/status indicator	Indicate the status of toner cartridge and printer (please refer to <a href="#">Chapter1.4.5</a> ).
4	Cancel	Execute cancel operation.
5	OK	Confirm the selection on the screen/open the main menu on the control panel.
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	"Power" button	<ul style="list-style-type: none"> <li>• Turn on or off the printer.</li> </ul> <p><b>Note:</b> Press and hold this button for more than 2 seconds to turn off the printer.</p> <ul style="list-style-type: none"> <li>• When the printer is in ready state, short press this button, and the printer enters the sleep state.</li> <li>• When the printer is in sleep state, short press this button to wake up the printer.</li> </ul>

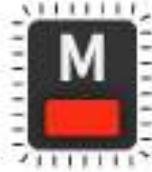
## LED control panel



No.	Name	Functions
1	Consumable status indicator	Indicate the status of consumables (see Section <a href="#">1.4.2</a> ) .
2	Paper status indicator	Indicate the status of paper (see Section <a href="#">1.4.3</a> ) .
3	Printer status indicator	Indicate the status of printer (see Section <a href="#">1.4.4</a> ) .
4	"Cancel/Continue" button	<p>If the printer is in sleep state, press or long press this button to wake it up.</p> <p>Press and hold this button during printing to cancel the current print job.</p> <p>When the printer is in ready state, long press this button to print the information page.</p>
5	"Power" button	<ul style="list-style-type: none"> <li>• Turn on or off the printer.</li> </ul> <p><b>Note:</b> Press and hold this button for more than 2 seconds to turn off the printer.</p> <ul style="list-style-type: none"> <li>• When the printer is in ready state, short press this button, and the printer enters the sleep state.</li> <li>• When the printer is in sleep state, short press this button to wake up the printer.</li> </ul>

## 1.4.2. Functions of consumable status indicator

### LED consumable status indicator

Status and status description	C - Cyan	M - Magenta	Y - Yellow	K – Black
<b>Light off:</b> Normal				
<b>Flashing:</b> Toner is running out				
<b>Light on:</b> Toner used up, no toner cartridge detected, or toner cartridge mismatched				

## 1.4.3. Functions of paper status indicator

### LED paper status indicator

No.	Status indicators	Status	Status description
1		Die out	No paper abnormalities in the printer
2		Red indicator normally on	Abnormalities in the printer tray, such as paper jam, paper out or feed failure.

## 1.4.4. Functions of printer status indicator

### LCD printer status indicator

No.	Status indicators	Status	Status description
1		Die out	The printer is turned off or in "Sleep" mode.
2		Green indicator normally on	Printer is ready.
3		Green indicator blinks	The printer is warming up, printing, processing, canceling, and calibrating.
4		Red indicator normally on	Printer failure.
5		Orange indicator blinks	Indicate that the printer's toner cartridge is abnormal (not found, mismatched, life expired) and that the waste toner box is full or not found.
6		Orange indicator normally on	When the printer is in a warning state (the toner in cartridge runs low or the waste toner bottle is nearly full).

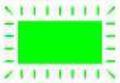
### LED printer status indicator

No.	Status indicators	Status	Status description
1		Die out	The printer is turned off or in "Sleep" mode.
2		Green indicator normally on	Printer is ready.
3		Green indicator blinks	The printer is warming up, printing, processing, canceling, and calibrating.
4		Red indicator normally on	Printer failure (except for waste toner bottle failure).

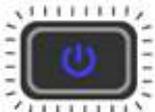
5  Orange indicator normally on The waste toner bottle is not installed in the printer, and the waste toner bottle is full.

6  Orange indicator blinks The waste toner bottle is nearly full.

### 1.4.5. Wi-Fi indicator/Toner Save indicator

No.	Status indicators	Status	Status description (applicable to Wi-Fi model only)	Status description (applicable to non-Wi-Fi model only)
1		Die out	Wi-Fi disconnected and sleep mode	Turn save toner state function and sleep mode
2		Green indicator blinks	Wi-Fi connecting	None
3		Green indicator normally on	Wi-Fi connected	Turn on save toner function

### 1.4.6. Functions of power indicator

No.	Status displayed by power indicator	Status	Status description
1		Die out	The printer is powered off.
2		Always on	Printer is not in sleep state (printer ready, printing, processing, etc.).
3		Blink	The printer is in sleep state.

## 2. Paper and Print Media

### 2.1. Selecting paper

#### 2.1.1. Paper guidelines

Use appropriate paper to prevent paper jam and ensure trouble-free printing.

- It is recommended to use new, undamaged paper.
- Before loading paper, know the recommended printable side of the paper. This information is usually indicated on the paper package.
- Do not use paper that has been cut or trimmed by hand.
- Do not mix paper sizes, types, or weights in the same tray; mixed use can cause paper jams.
- Do not use coated paper unless they are specifically designed for electrophotographic printing.

#### 2.1.2. Paper characteristics

The following paper characteristics affect print quality and reliability. Consider these factors before printing.

##### **Weight**

The tray can feed grain long paper with a weight of 60-200 g/m<sup>2</sup>. Paper lighter than 60 g/m<sup>2</sup> may not be stiff enough to feed properly, and may cause paper jams.

##### **Curl**

Curl is the tendency of paper to curl at its edges. Excessive curl can cause paper feeding problems. Curl can occur after the paper passes through the printer, where it is exposed to high temperatures. Storing paper unpacked in hot, humid, cold, or dry conditions can contribute to paper curling before printing and can cause feeding problems.

##### **Smoothness**

Paper smoothness directly affects print quality. If paper is too rough, toner cannot fuse to it properly. If paper is too smooth, it can cause paper feeding or print quality problems.

##### **Moisture content**

The amount of moisture in paper affects both print quality and the printer ability to feed the paper correctly. Leave paper in its original wrapper until you use it. Change in the moisture content caused by paper exposure can degrade its performance.

Store paper in its original wrapper in the same environment as the printer for 24 to 48 hours before printing. Extend the time several days if the storage or transportation environment is very different from the printer environment. Thick paper may also require a longer conditioning period.

##### **Grain direction**

Grain refers to the alignment of the paper fibers in a sheet of paper. Grain is either grain long, running the length of the paper, or grain short, running the width of the paper. For 60-200 g/m<sup>2</sup> paper, grain long paper is recommended.

##### **Fiber content**

Most high-quality xerographic paper is made from 100% chemically treated pulped wood. This content provides the paper with a high degree of stability, leading to fewer paper feeding problems and better print quality. Paper containing fibers such as cotton can negatively affect paper handling.

### **2.1.3. Unacceptable paper**

The following paper types are not recommended for use with the printer:

- Chemically treated paper used to make copies without carbon paper, also known as carbonless papers, carbonless copy paper (CCP), or no carbon required (NCR) paper.
- Preprinted paper with chemicals that may contaminate the printer.
- Preprinted paper that can be affected by the temperature in the printer fuser.
- Preprinted paper that require a positioning accuracy (the precise print location on the page) greater than  $\pm 2.3$  mm, such as optical character recognition (OCR) forms. In some cases, you can use software applications to adjust the positioning to successfully print on these forms.
- Coated paper (erasable bond paper), synthetic paper, thermal paper.
- Rough-edged, rough or heavily textured surface paper, or curled paper.
- Paper weighing less than 60 g/m<sup>2</sup>.
- Multiple-part forms or documents.

### **2.1.4. Saving paper**

Use these paper storage guidelines to help avoid jams and uneven print quality:

- Store paper in its original wrapper in the same environment as the printer for 24 to 48 hours before printing.
- Extend the time several days if the storage or transportation environment is very different from the printer environment. Thick paper may also require a longer conditioning period.
- For best results, store paper where the temperature is 21°C and the relative humidity is 40%.
- Most label manufacturers recommend printing in an environment with a temperature of 18-24 °C and a relative humidity of 40-60%.
- Store paper in cartons, on a pallet or shelf, rather than on the floor.
- Store individual packages on a flat surface.
- Do not store anything on top of individual paper packages.
- Take paper out of the carton or wrapper only when you are ready to load it in the printer. The carton and wrapper help keep the paper clean, dry, and flat.

## 2.2. Paper Specification

Automatic Feeder Tray	Media Type	Plain paper(70~105g/m <sup>2</sup> ),thin paper(60~70g/m <sup>2</sup> )
	Media size	A4,A5, A6,Legal,Letter,JIS-B5, ISO B5, Executive , Folio , Oficio , Statement ,16K,32K, Big 16K, Big 32K, B6,Customize paper
	Media weight	660~105 g/m <sup>2</sup>
	Maximum capacity of the tray	250 pages (80 g/m <sup>2</sup> )
Manual feed tray	Media Type	Plain paper(70~105g/m <sup>2</sup> ),thin paper(60~70g/m <sup>2</sup> ),thick paper(105~200g/m <sup>2</sup> ),transparent film,carton paper,label paper, envelope
	Media size	A4, A5, A6, Legal, Letter, JIS-B5, ISO B5, Executive , Folio , Oficio , Statement ,16K,32K, Big 16K, Big 32K, No.10 Env., Monarch Env, DL Env, C5 Env, C6 Env, ZL, Janpanese Postcard, Yougata4, Younaga3, Nagagata3, Yougata2, Postcard, B6, Customize paper
	Media weight	660~200 g/m <sup>2</sup>
	Maximum capacity of the tray	1 pages



- Note:**
- 80 g/m<sup>2</sup> 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.

## 2.3. 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.

---

 **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.

---

**Please observe the following standards:**

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

## 2.4. Einlegen von Papier

---

 **Note:** • Druckeraussehen konnte unterschiedlich wegen seine Modelle sein. Die schematische Darstellung ist nur zum Informationszwecken.

---

### 2.4.1. Einlegen von Papier in das Fach für automatischen Einzug



: To avoid the risk of electrical shock, if you are accessing the controller board or memory devices after setting up the printer, turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, turn them off as well, and unplug any cables going into the printer.



: To reduce the risk of equipment instability, load each tray separately. Keep all other trays closed until needed.

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

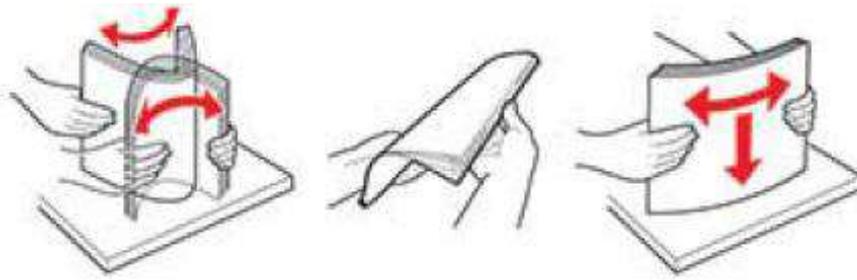


---

 **Note:** • To avoid paper jams, do not remove the tray while the printer is busy.

---

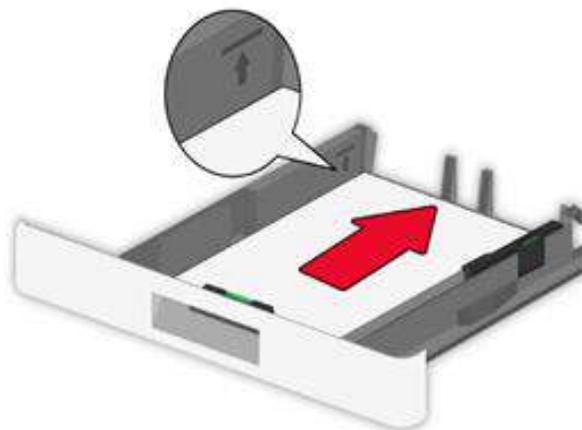
2. Flex, fan out and align the paper edges before loading.



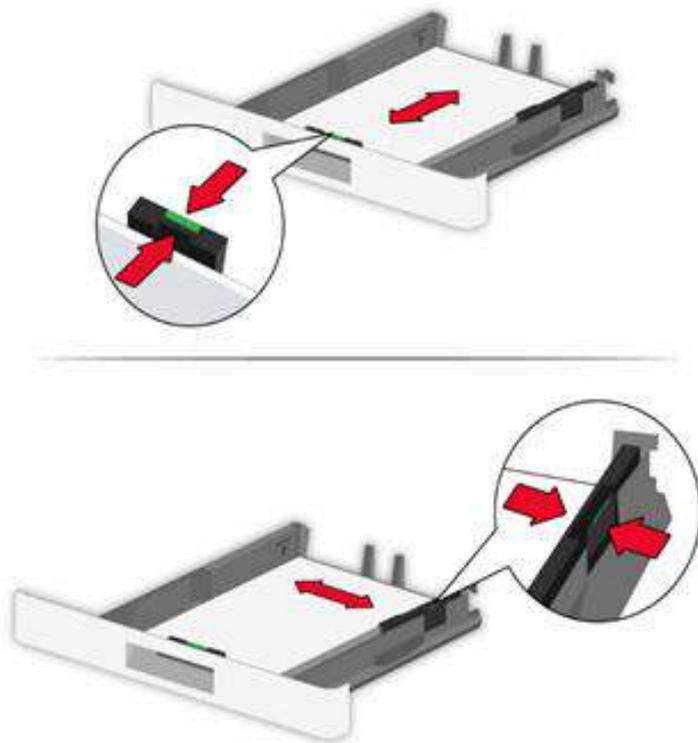
3. Load the paper with the printable side facing up.



- 
- Note:**
- For single-sided printing, load the paper with the printing side facing up and the header facing the inside of the tray.
  - Do not slide paper into the tray.
  - To avoid paper jams, make sure that the stack height is below the maximum paper fill indicator.
- 



4. Adjust the guide to match the size of the loaded paper.



5. Insert the tray.

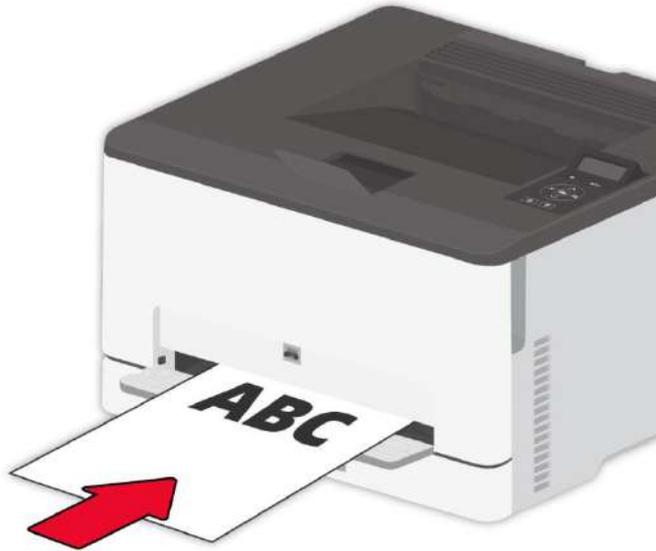
### 2.4.2. In manuellen Karton legen

1. Adjust the guide to match the size of the loaded paper.



2. Load a sheet of paper with the printable side facing up.

- 
-  **Note:** • For single-sided printing, load the paper with the printable side facing up and the top edge going into the printer first.  
• For better printing effect, it is recommended to use new, undamaged paper.
- 

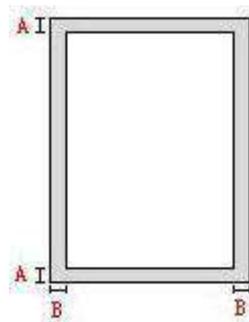


3. Feed the paper until its front edge is pulled in.

- 
-  **Note:** • To avoid paper jams, do not force paper into the manual tray.
- 

## 2.5. 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)

---

## 3. Driver installation and uninstallation

### 3.1. How to install Windows printer driver

Windows driver installation software provides two installing methods: one-click installation and manual installation. We recommend one-click installation, which can help to install driver automatically in a faster and more convenient way. If you have any difficulty in using one-click installation, please try manual installation.

---

 **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

One-click installation provides three methods of installation: connect the printer via USB cable, connect the printer via wired network, and connect the printer via wireless network. You can choose one of them according to your habit.

##### 3.1.1.1. Method I: Connect the 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:
  - Windows XP system: automatically run the installation procedure.
  - Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click "Autorun.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 "Autorun.exe" to run the installation program.
  - Windows 10 system: When the "DVD RW driver" window pops up from the lower right corner of Computer desktop, click anywhere in the pop-up window, then click "Autorun.exe" to run the installation program.

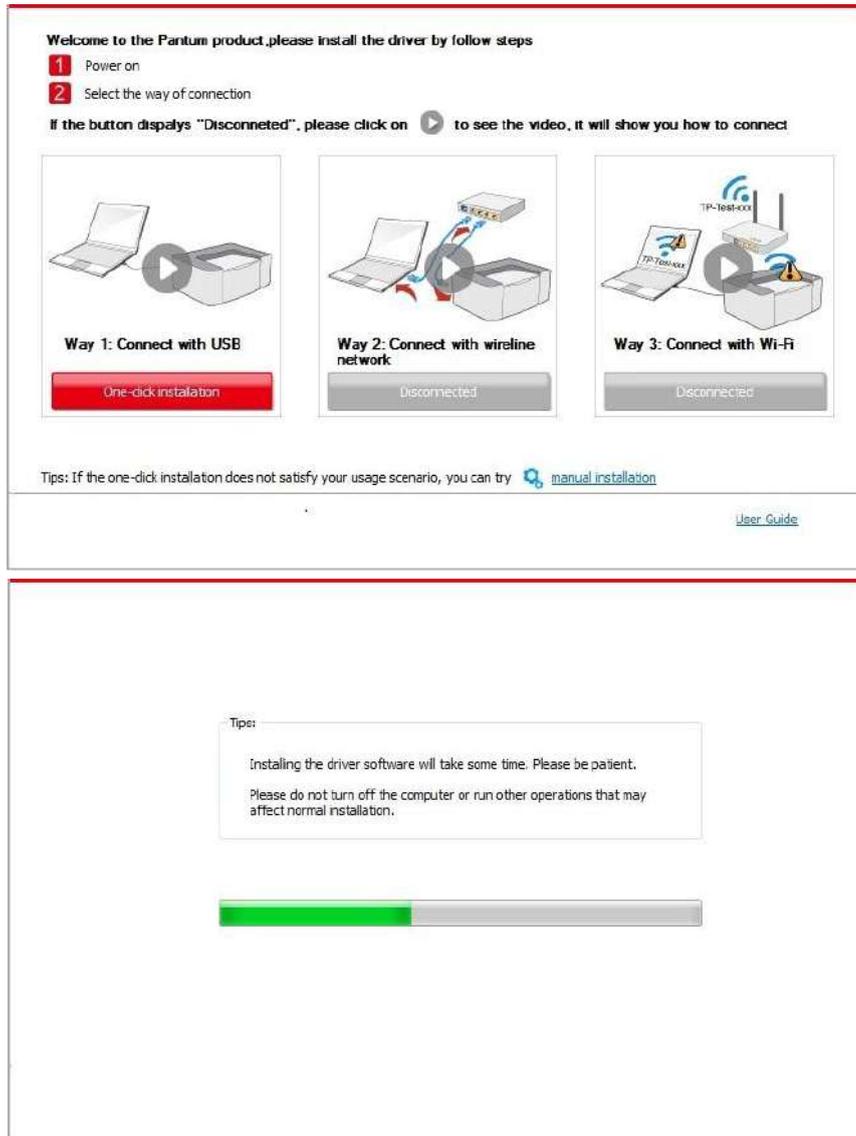
---

 **Note:**• Some computers may be unable to auto play the CD because 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 the "One-click installation" button in Method I and enter into the installation process. The process may need some time, and the duration is related to your computer configuration, please wait patiently.



5. 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. Method II: Connect the printer via wired network

1. Turn the power of printer and computer on.
2. Connect the computer to wired network.
3. Connect network cable to the network interface of printer, to make sure the printer is connected to computer network (please refer to [Chapter 4](#) for network setup).
4. 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 "Autorun.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 "Autorun.exe" to run the installation program.

- Windows 10 system: When the “DVD RW driver” window pops up from the lower right corner of Computer desktop, click anywhere in the pop-up window, then click “Autorun.exe” to run the installation program.

---

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

---

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.

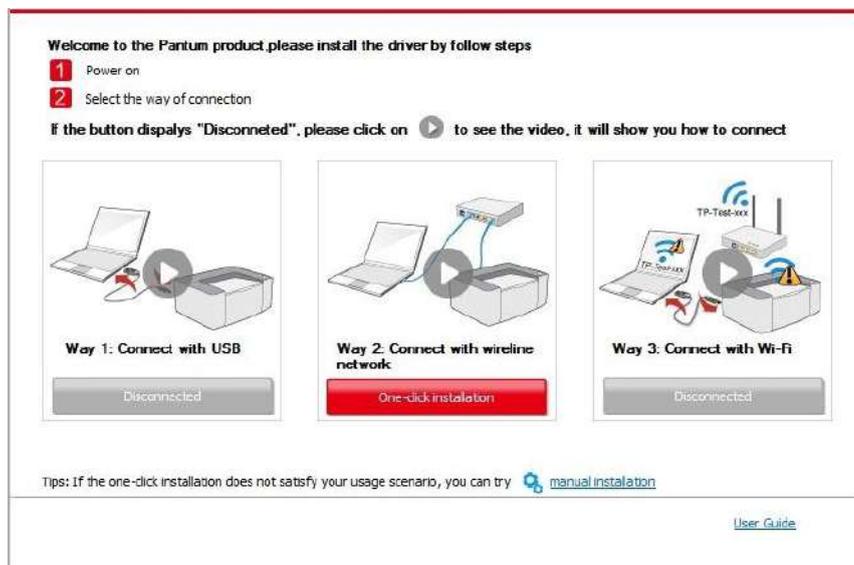
6. Please click on the "One-click installation" button in Method II and install driver software.

---

 **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.

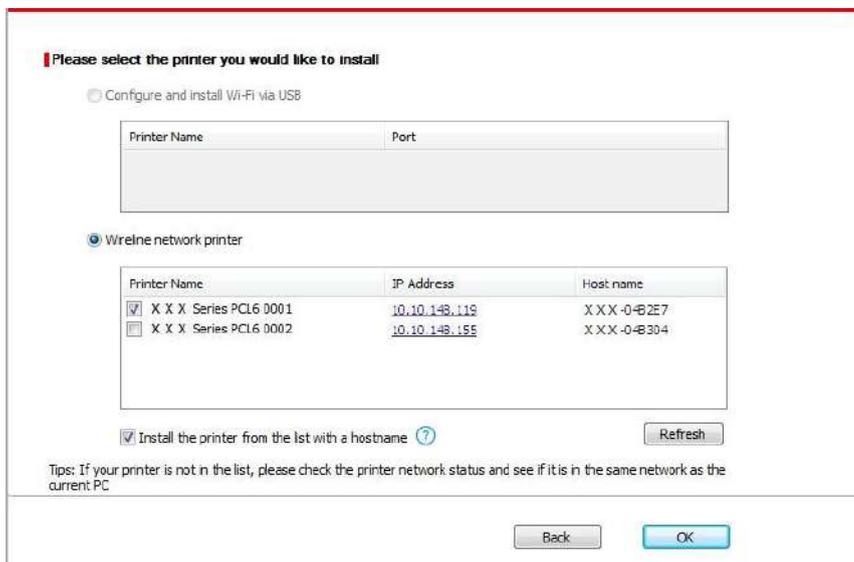
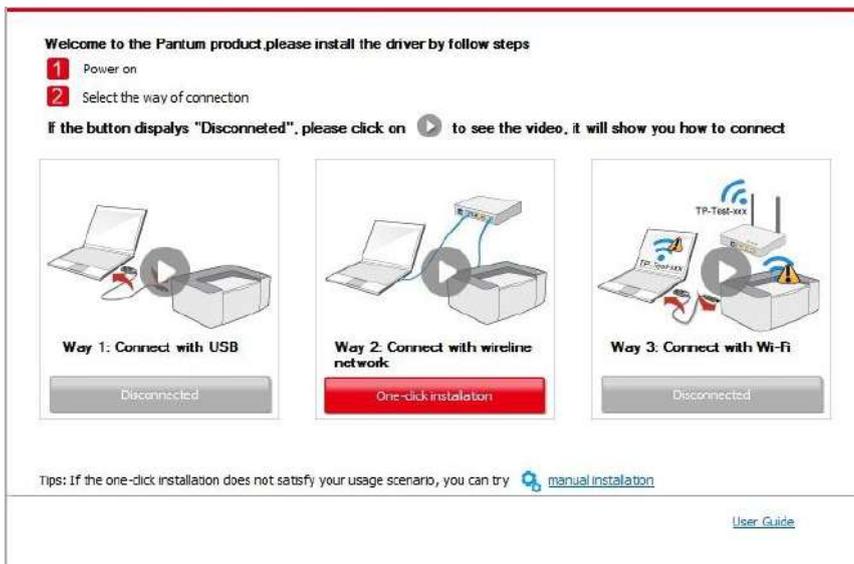
- You can check the printer IP address through "Network configuration page" (Please see [Chapter 9.4](#) for how to print)
- 

- Click on the "One-click installation" button to enter installation process if your software has searched only one printer. The process may need some time, and the duration is related to your computer configuration. Please wait patiently.





- If your software has searched several printers, click on the "One-click installation" button, and the printer list interface will pop up. Please select the printer that you need according to your printer wired network IP address or host ID.



---

 **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 [Chapter 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.

### **3.1.1.3. Method III: Connect the printer via wireless network**

Please check if the printer is connected with wireless network when installing the printer driver software. If disconnected, please install it with reference to [Chapter 3.1.1.3.1](#). If connected, please install it with reference to [Chapter 3.1.1.3.2](#).

---

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

---

#### **3.1.1.3.1. The printer is not connected with wireless network**

##### **3.1.1.3.1.1. Configure wireless network via USB cable and install driver**

Since some computers are not provided with wireless network function, this section is divided into "Connect computer to router via Wi-Fi" and "Connect computer to router via wired connection" to introduce installation process.

#### **I. Connect computer to router via Wi-Fi**

1. Computer is already connected to router via Wi-Fi.
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 "Autorun.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 "Autorun.exe" to run the installation program.
  - Windows 10 system: When the "DVD RW driver" window pops up from the lower right corner of Computer desktop, click anywhere in the pop-up window, then click "Autorun.exe" to run the installation program.

---

 **Note:**• Some computers may be unable to auto play the CD because 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 the "One-click installation" button in Method III to install driver software.

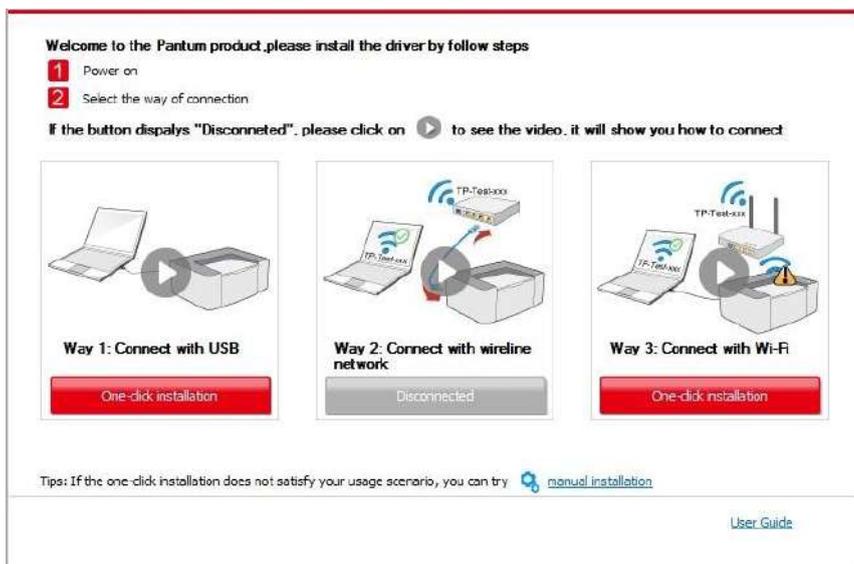
---

 **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.

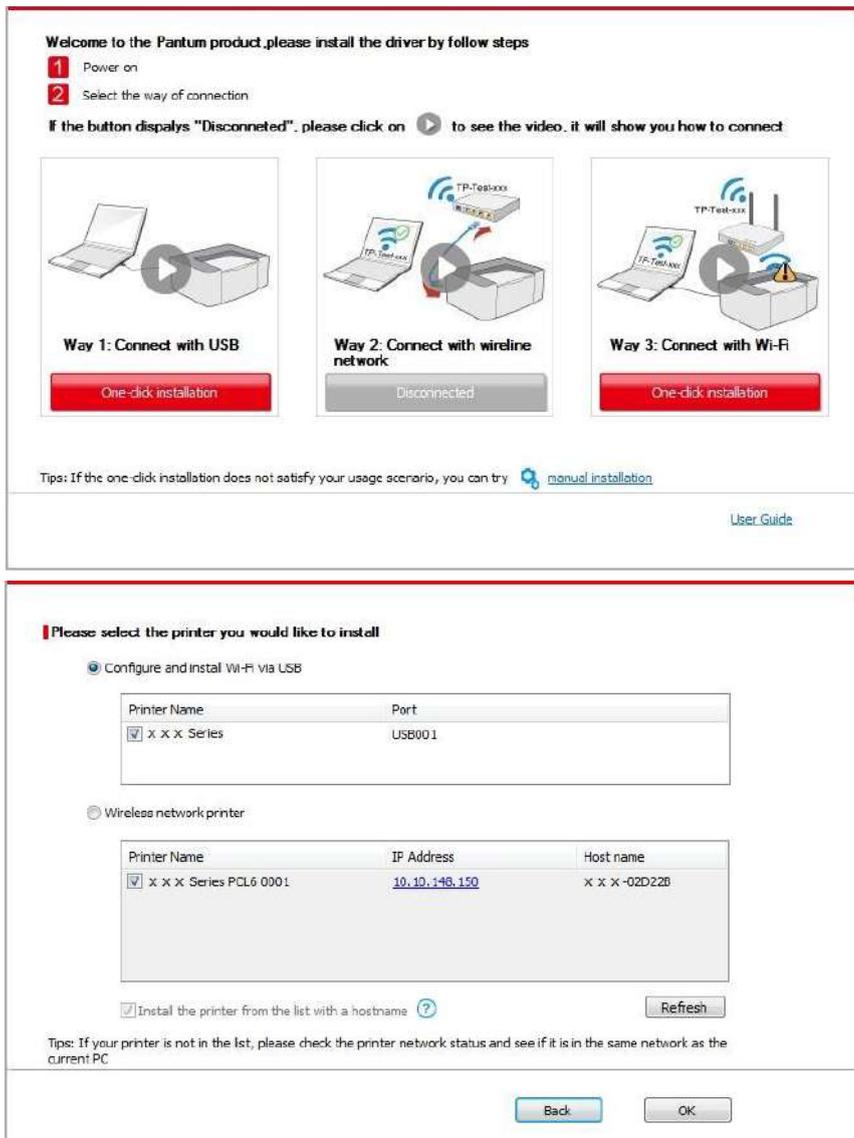
- You can check the printer IP address through "Network configuration page" (Please see [Chapter 9.4](#) for how to print)

---

• Click "One-click installation" button if your software has searched only one printer, and enter into installation process to complete automatic network configuration and driver installation.



- If your software has searched several printers, click "One-click installation" button, and the printer list interface will pop up. Please select "Configure printer with Wi-Fi via USB and install" and select USB printer, click "Confirm" button and enter into installation process to complete automatic network configuration and driver installation.



**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".

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.

## 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:
  - Windows XP system: automatically run the installation procedure.
  - Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click "Autorun.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 “Autorun.exe” to run the installation program.
- Windows 10 system: When the “DVD RW driver” window pops up from the lower right corner of Computer desktop, click anywhere in the pop-up window, then click “Autorun.exe” to run the installation program.

---

 **Note:**• Some computers may be unable to auto play the CD because 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. Please click on the "One-click installation" button in Method III and install driver software.

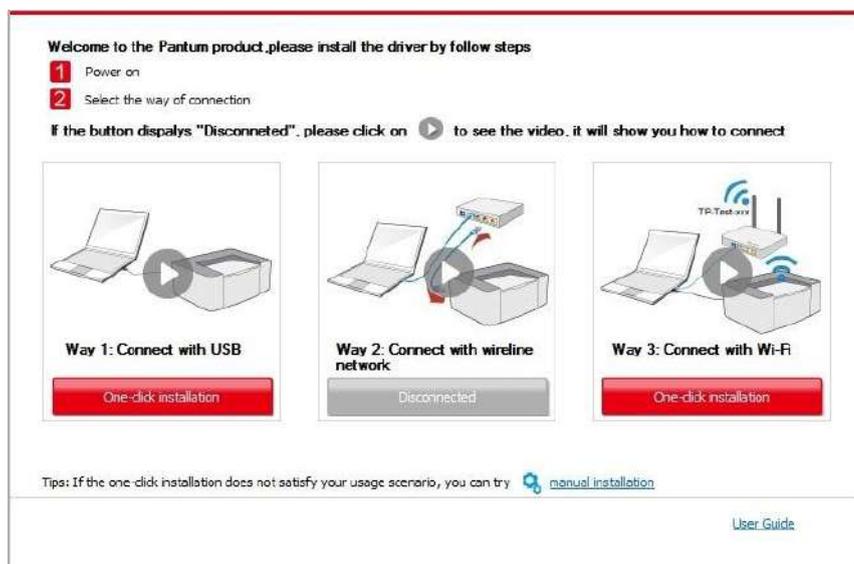
---

 **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 [Chapter 9.4](#) for how to print).

---

- Click on the "One-click installation" button if your software has only searched only one printer, and the wireless network configuration interface will pop up, input the 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.



1. Please click on "Printing wireless network information page" to get the network name and encryption method. Please skip this step if you already know the network name and encryption method.

[Printing wireless network information page](#)

2. Please enter wireless network user name and password.

Network Name(SSID):

Encryption method:

Password:

Show password:

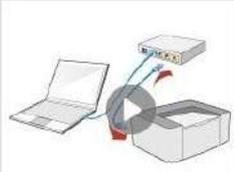
[Back](#)   [OK](#)

- 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.

Welcome to the Pantum product, please install the driver by follow steps

- 1 Power on
- 2 Select the way of connection

If the button displays "Disconnected", please click on  to see the video, it will show you how to connect

 <p><b>Way 1: Connect with USB</b></p> <p>One-click installation</p>	 <p><b>Way 2: Connect with wireline network</b></p> <p>Disconnected</p>	 <p><b>Way 3: Connect with Wi-Fi</b></p> <p>One-click installation</p>
---	--	--

Tips: If the one-click installation does not satisfy your usage scenario, you can try [manual installation](#)

[User Guide](#)

**Please select the printer you would like to install**

Configure and install Wi-Fi via USB

Printer Name	Port
<input checked="" type="checkbox"/> X X X Series	USB001

Wireless network printer

Printer Name	IP Address	Host name
<input checked="" type="checkbox"/> X X X Series PCL6 0001	<a href="#">10.10.146.150</a>	X X X -02D22B

Install the printer from the list with a hostname 

Tips: If your printer is not in the list, please check the printer network status and see if it is in the same network as the current PC.

1. Please click on "Printing wireless network information page" to get the network name and encryption method. Please skip this step if you already know the network name and encryption method.

2. Please enter wireless network user name and password.

Network Name(SSID):

Test-AP2

Encryption method:

WPA/WPA2

Password:

\*\*\*\*\*

Show password:

 **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".

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.

### 3.1.1.3.1.2. Connect computer to printer via Wi-Fi direct and install the driver

Connect the computer to printer via a direct Wi-Fi 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.

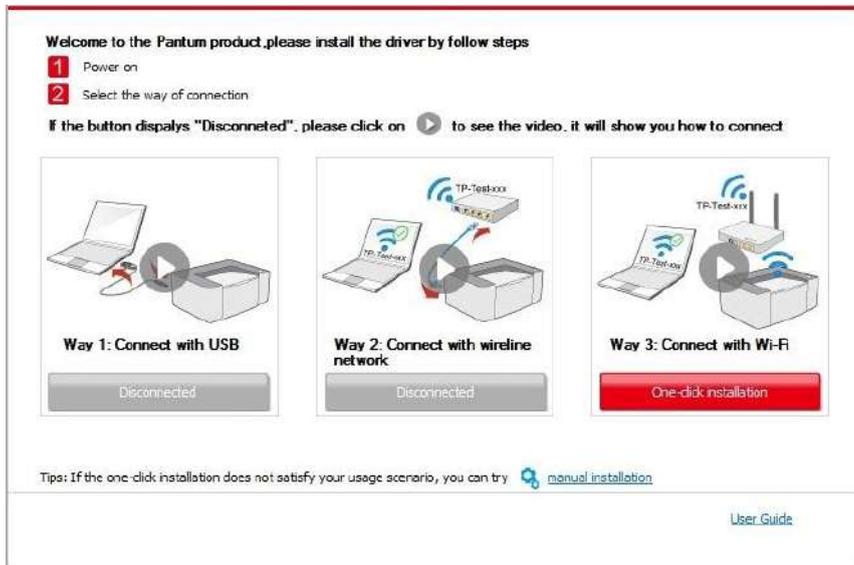
1. Turn the power of printer and computer on.
2. Connect computer to the Wi-Fi Direct network of the printer (please refer to [Chapter 5.2.2.2](#) for setup method).
3. Place the attached installation CD in the computer CD-ROM:
  - Windows XP system: automatically run the installation procedure.
  - Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click "Autorun.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 “Autorun.exe” to run the installation program.
- Windows 10 system: When the “DVD RW driver” window pops up from the lower right corner of Computer desktop, click anywhere in the pop-up window, then click “Autorun.exe” to run the installation program.

 **Note:** Some computers may be unable to auto play the CD because 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 the "One-click installation" button in Method III, and enter into installation process. The process may need some time, and the duration is related to your computer configuration, please wait patiently.



Welcome to the Pantum product, please install the driver by follow steps

- 1 Power on
- 2 Select the way of connection

If the button displays "Disconnected", please click on  to see the video, it will show you how to connect



**Way 1: Connect with USB**

Disconnected



**Way 2: Connect with wireline network**

Disconnected



**Way 3: Connect with Wi-Fi**

One-click installation

Tips: If the one-click installation does not satisfy your usage scenario, you can try [manual installation](#)

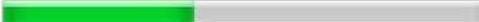
[User Guide](#)



Tips:

Installing the driver software will take some time. Please be patient.

Please do not turn off the computer or run other operations that may affect normal installation.



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.

### 3.1.1.3.2. 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 [Chapter 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:
  - Windows XP system: automatically run the installation procedure.
  - Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click "Autorun.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 "Autorun.exe" to run the installation program.
  - Windows 10 system: When the "DVD RW driver" window pops up from the lower right corner of Computer desktop, click anywhere in the pop-up window, then click "Autorun.exe" to run the installation program.

---

 **Note:** • Some computers may be unable to auto play the CD because 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 the "One-click installation" button in Method III to install driver software.

---

 **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 [Chapter 9.4](#) for how to print)

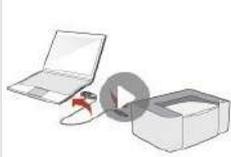
---

- Click on the "One-click installation" button to enter installation process if your software has searched only one printer. The process may need some time, and the duration is related to your computer configuration. Please wait patiently.

Welcome to the Pantum product, please install the driver by follow steps

- 1 Power on
- 2 Select the way of connection

If the button dispalys "Disconnected", please click on  to see the video, it will show you how to connect



Way 1: Connect with USB

Disconnected



Way 2: Connect with wireline network

Disconnected



Way 3: Connect with Wi-Fi

One-click installation

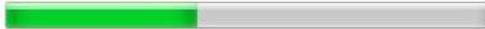
Tips: If the one click installation does not satisfy your usage scenario, you can try [manual installation](#)

[User Guide](#)

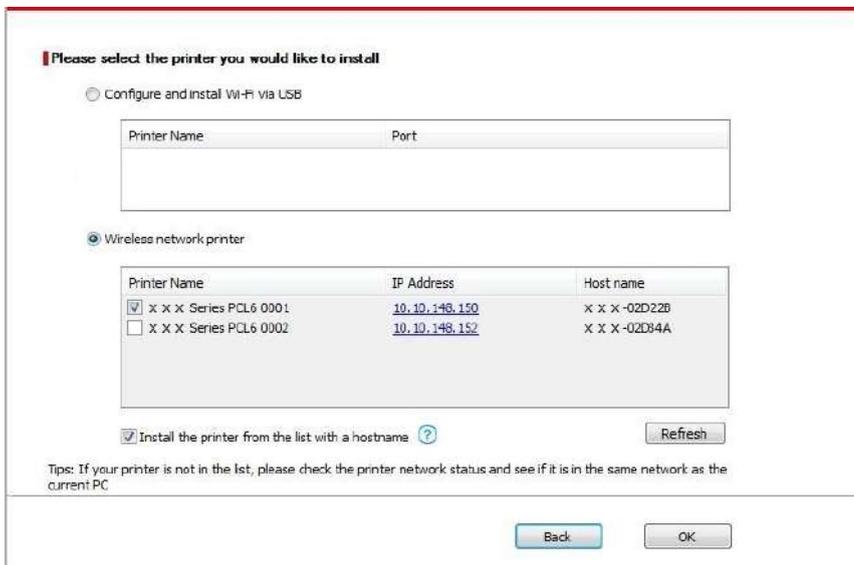
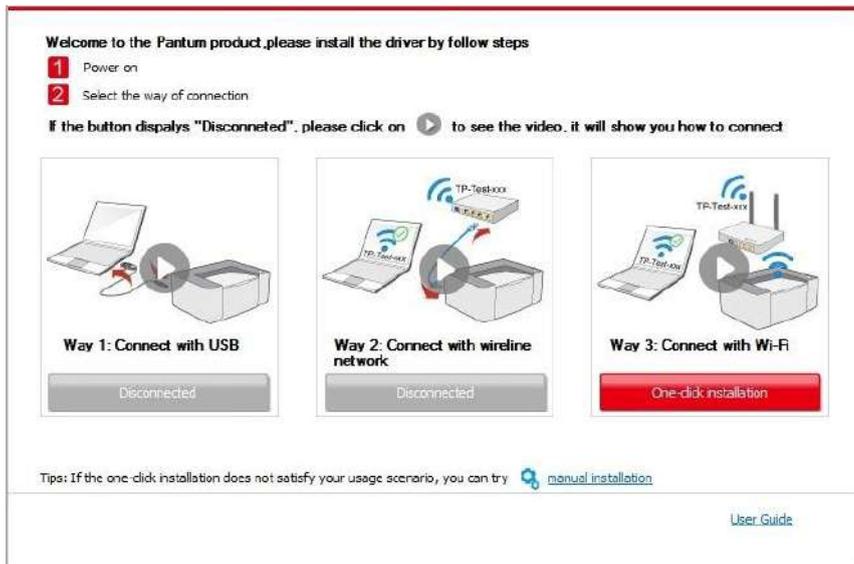
Tip:

Installing the driver software will take some time. Please be patient.

Please do not turn off the computer or run other operations that may affect normal installation.



- If the software has searched several printers, the printer list interface will pop up. Please select the printer you need according to your printer wired network IP address or host ID .



**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 [Chapter 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".

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. Manual installation

- 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 [Chapter 9.4](#) for printing methods).

### 3.1.2.1. Installation via USB connection

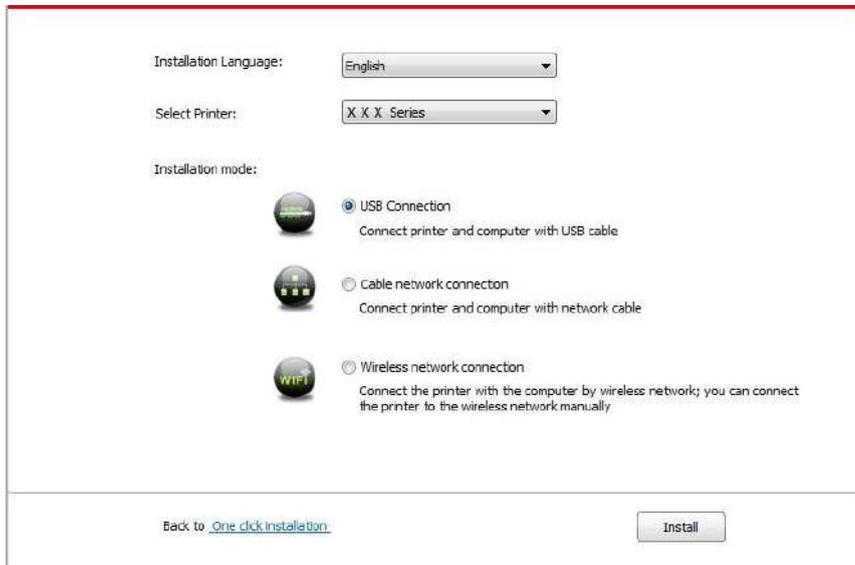
1. Connect the printer to computer via USB cable, power the printer and computer on.
2. Place the attached installation CD in the computer CD-ROM:
  - Windows XP system: automatically run the installation procedure.
  - Windows 7/Vista/Server 2008 system: Pop up "Autoplay" interface, click "Autorun.exe"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

---

 **Note:**• Some computers may be unable to auto play the CD because 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 the "Manual installation" at the bottom of driver installation interface, and enter into manual installation interface.
5. Please select installation language and printer model.
6. Select "Connect via USB" and click on "Install".



The screenshot shows a software installation window with the following elements:

- Installation Language:** A dropdown menu currently set to "English".
- Select Printer:** A dropdown menu currently set to "X X X Series".
- Installation mode:** Three radio button options:
  - USB Connection:** Selected with a blue dot. Subtext: "Connect printer and computer with USB cable".
  - Cable network connection:** Unselected. Subtext: "Connect printer and computer with network cable".
  - Wireless network connection:** Unselected. Subtext: "Connect the printer with the computer by wireless network; you can connect the printer to the wireless network manually".
- Bottom bar:** Contains a link "Back to One click installation" on the left and an "Install" button on the right.

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.

### 3.1.2.2. Installation via wired network connection

1. Turn the power of printer and computer on.
2. Connect the computer to wired network.
3. Connect network cable to the network interface of printer, to make sure the printer is connected to computer network (please refer to [Chapter 4](#) for network setup).

4. 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 "Autorun.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 "Autorun.exe" to run the installation program.
- Windows 10 system: When the "DVD RW driver" window pops up from the lower right corner of Computer desktop, click anywhere in the pop-up window, then click "Autorun.exe" to run the installation program.



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

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. Click on the "Manual installation" at the bottom of driver installation interface, and enter into manual installation interface.

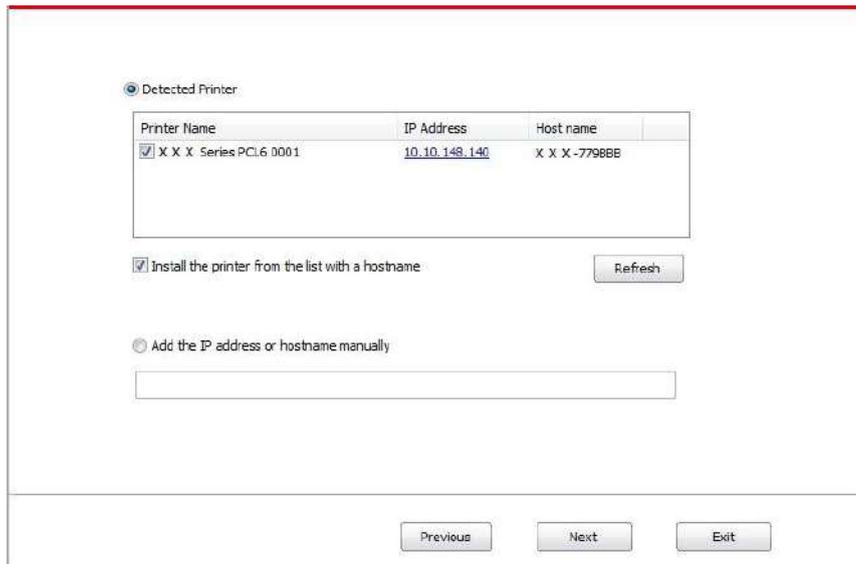
7. Please select installation language and printer model.

8. Select "Wireline network connection" and click on "Install".

A screenshot of a software installation window. At the top, there are two dropdown menus: "Installation Language:" set to "English" and "Select Printer:" set to "X X X Series". Below these is the "Installation mode:" section, which contains three radio button options, each with a small icon: "USB Connection" (with a USB icon), "Cable network connection" (with a network cable icon), and "Wireless network connection" (with a WiFi icon). The "Cable network connection" option is selected. Below the radio buttons, there is a link "Back to [One click installation](#)" and an "Install" button.

9. The installation software will search the printer automatically and the searching process may need some time.

10. After finishing searching, select the printer that 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 [Chapter 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.

### 3.1.2.3. Installation by wireless network connection mode

Wireless network connection type is divided into basic structure mode and Wi-Fi Direct mode (please refer to [Chapter 5](#) for details).

#### 3.1.2.3.1. Installation in basic structure mode

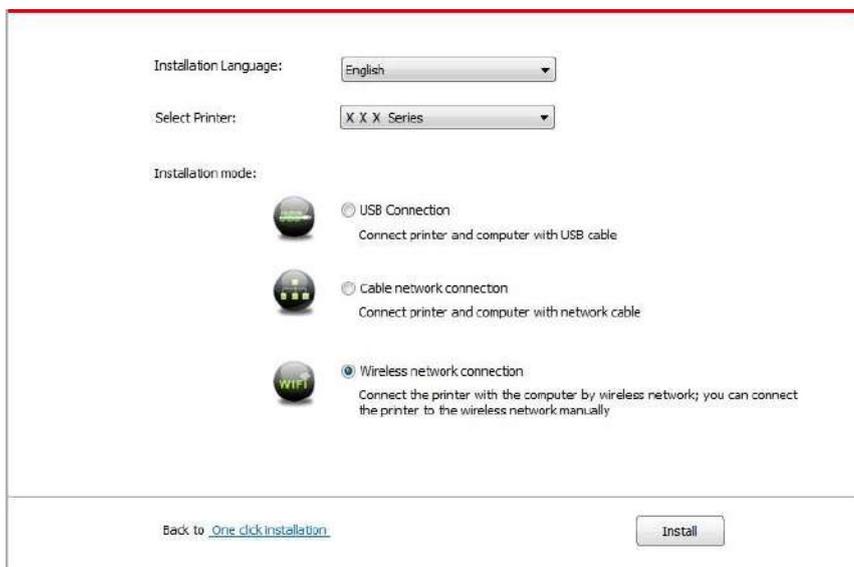
1. Connect computer to access point (wireless router).
2. Connect the printer to computer via USB cable, then power the printer on.
3. Place the attached installation CD in the computer CD-ROM:
  - Windows XP system: automatically run the installation procedure.
  - Windows 7/Vista/Server 2008 system: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

---

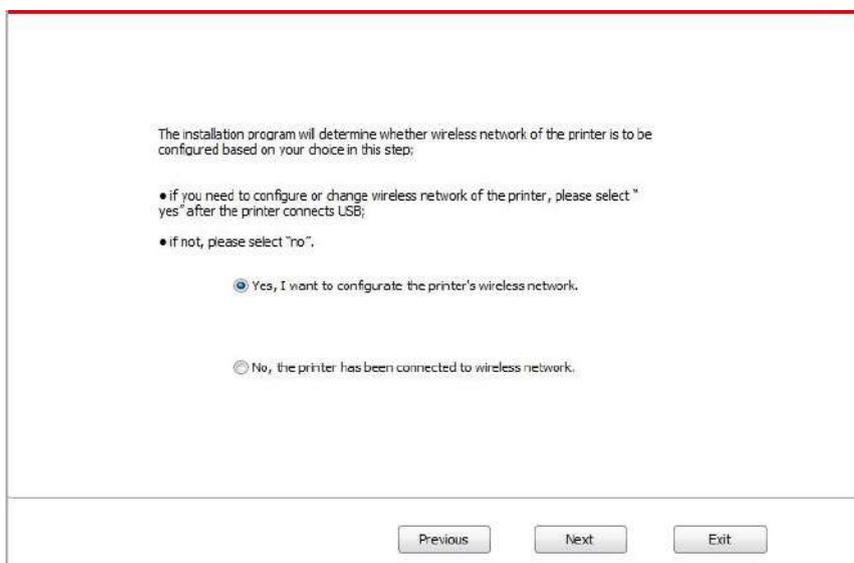
 **Note:** • Some computers may be unable to auto play the CD because of system configuration. Please double click "Computer" icon, find "DVD RW driver", then double click "DVD RW driver" to run the installation procedure.

---

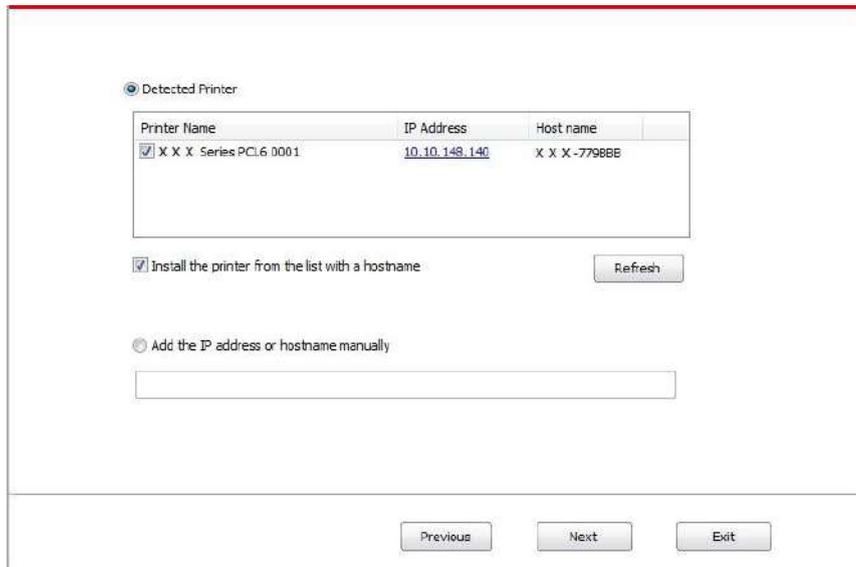
4. Read and agree to the terms contained in the End User License Agreement and the Privacy Policy, click the "Next" button in the lower right corner of the interface to enter the driver installation interface.
5. Click on the "Manual installation" at the bottom of driver installation interface, and enter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



8. Select "Yes, I want to configure 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 [Chapter 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 [Chapter 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.

### 3.1.2.3.2. Installation in Wi-Fi Direct mode

1. Turn the power of printer and computer on.
2. Connect computer to the Wi-Fi Direct network of the printer (please refer to [Chapter 5.2.2.2](#) 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 “Autorun.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 “Autorun.exe” to run the installation program.
  - Windows 10 system: When the “DVD RW driver” window pops up from the lower right corner of Computer desktop, click anywhere in the pop-up window, then click “Autorun.exe” to run the installation program.



**Note:**• Some computers may be unable to auto play the CD because 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 the "Manual installation" at the bottom of driver installation interface, and enter into manual installation interface.
6. Please select installation language and printer model.
7. Select "Wireless network connection" and click on "Install".

The screenshot shows a printer installation window with the following fields and options:

- Installation Language: English (dropdown menu)
- Select Printer: X X X Series (dropdown menu)
- Installation mode:
  - USB Connection  
Connect printer and computer with USB cable
  - Cable network connection  
Connect printer and computer with network cable
  - Wireless network connection  
Connect the printer with the computer by wireless network; you can connect the printer to the wireless network manually

At the bottom, there is a link "Back to [One click installation](#)" and an "Install" button.

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

The screenshot shows a wireless setup window with the following text and options:

The installation program will determine whether wireless network of the printer is to be configured based on your choice in this step;

- if you need to configure or change wireless network of the printer, please select "yes" after the printer connects USB;
- if not, please select "no".

Yes, I want to configure the printer's wireless network.

No, the printer has been connected to wireless network.

At the bottom, there are three buttons: "Previous", "Next", and "Exit".

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”.

Printer Name	IP Address	Host name
<input checked="" type="checkbox"/> X X X Series PCL6 0001	<a href="#">10.10.148.140</a>	X X X-7798BB

Install the printer from the list with a hostname

Add the IP address or hostname manually

 **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 [Chapter 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.

### 3.1.3. Method of driver unistallation

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. macOS system driver installation

- Driver installation under macOS system is divided into 2 steps, driver installation and adding a printer. If you are going to print in AirPrint mode, there is no need to install a driver and you just need to add a printer directly.
- When you are installing a driver with wired or wireless network, you may need to know the Bonjour name of printer. Please print the “Network setup page” to view it. (Please refer to [Chapter 9.4](#)).

### 3.2.1. Driver installation

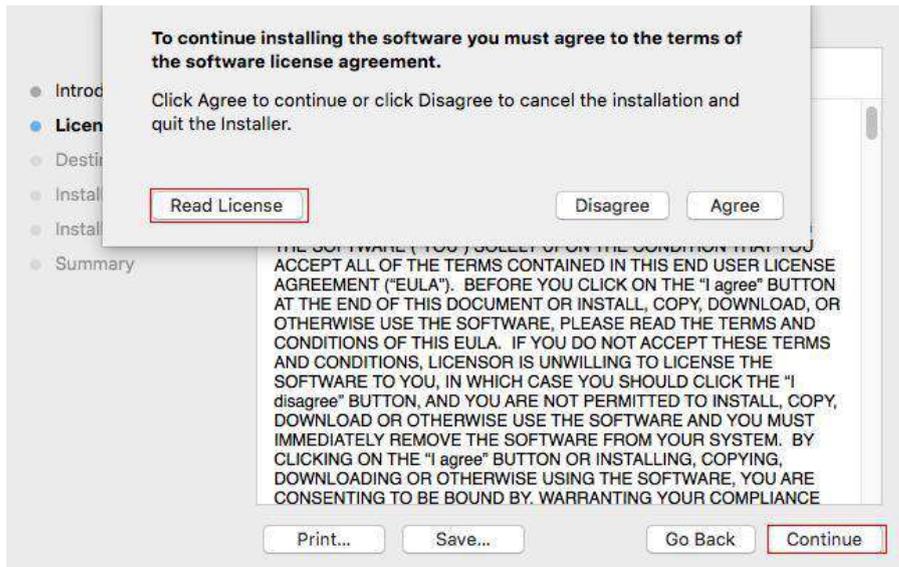
macOS 10.11 is taken as the example in the following operation. The information on your computer screen may differ because of multiple operating systems.

1. Turn the power of printer and computer on.
2. Insert the CD accompanying with printer in the CD driver of your computer, and double click Pantum XXX Series installation package. (XXX in Pantum XXX Series represents product model.)



3. Click “Continue”.

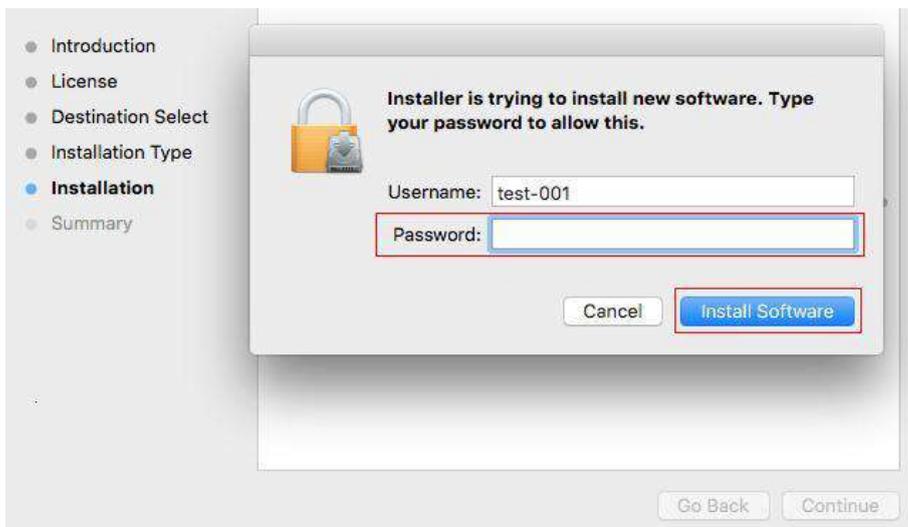
4. Read licensing agreement and then click “Continue”.



5. Click “Agree” on the prompt window popping out to accept the licensing agreement.

6. Click “Install”.

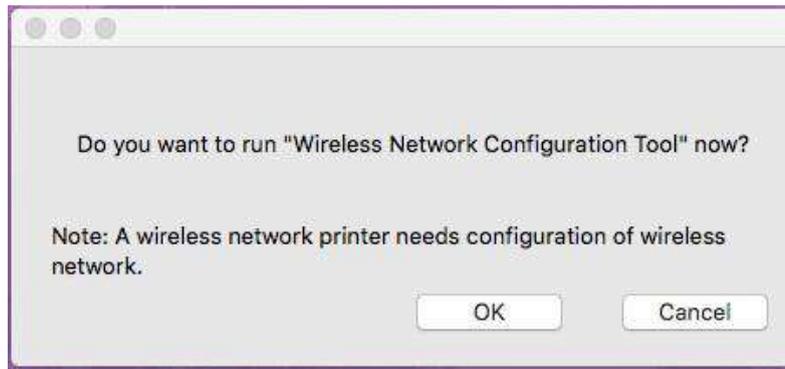
7. Input computer password and click “Install Software”.



8. Click “Continue Installation” on the prompt window popping out.

9. The system will finish driver installation automatically.

- If using a USB cable to connect a computer with a Wi-Fi model printer, a wireless network configuration prompt window will pop up during driver installation, as shown in following picture.



- 
-  **Note:** • click “Yes”, you can configure printer’s wireless network via wireless network configuration tool (refer to [Chapter 5.1.1](#) for how to make configuration).When configuration is completed, unplug USB cable, and then on the pop-up “Add Printer” interface, you may add the network-connected printer(refer to [Chapter 3.3](#) for how to add printer).
- Click “No”, you can add a USB-connected printer on the pop-up “Add Printer” interface (refer to [Chapter 3.3](#) for how to add printer).
- 

If using a USB cable to connect a computer with a non-Wi-Fi model printer, a “Add Printer” interface will pop up during the driver installation and you can add a printer here (refer to [Chapter 3.3](#) for how to add printer).

## 3.3. Add printer to macOS system

### 3.3.1. 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”.

### 3.3.2. Add up the printer via wireline connection

1. Turn the power of printer and computer on.
2. Connect the computer to wired network.
3. Connect the network cable to the network interface of printer, and make sure the printer is connected to the computer network (Please refer to [Chapter 4](#) for network setup).
4. Enter the “System Preferences” – “Printers & Scanners” of computer.
5. Click  button to select “Add Printer or Scanner”.
6. Select printer and then select the corresponding printer mode from the “Use” menu popping out.
7. Click “Add”.

### 3.3.3. Add up the printer via wireless connection

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 [Chapter 5.1](#) for connection method.  
• In case of Wi-Fi Direct mode, connect wireless client to wireless network printer directly. Please refer to [Chapter 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”.

### 3.3.4. Add AirPrint printer

1. Turn the power of printer and computer on.
2. Make sure the connection between printer and computer is set up (USB connection or network connection).
3. Enter the “System Preferences” – “Printers & Scanners” of computer.
4. Click  button to select “Add Printer or Scanner”.

5. Select printer and select “Secure AirPrint” (data encryption) or “AirPrint” (no encryption) in the “Use” option box.
6. Click “Add”.



- Note:**
- When the printer is connected to computer with USB cable, the system will recognize and add AirPrint automatically.
  - If AirPrint printer of network connection is added, then the connecting USB cable should be disconnected first before adding the printer.
  - AirPrint printer is named after the ending of "AirPrint".
-

## 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.

---

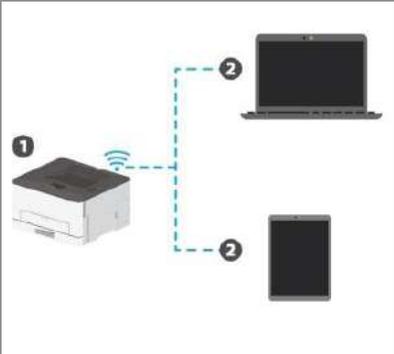
#### 4.1.2. Manual Setting

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 detail.

## 5. Wireless network setup (applicable to Wi-Fi models)

Wireless network connection type is divided into basic structure mode and Wi-Fi Direct mode. If you have problems with wireless network setup, please refer to [Chapter 5.3](#) Wireless Network Setup FAQs.

	<p>Basic structure mode: connecting to a wireless device via router</p> <ol style="list-style-type: none"><li>1. Access point (wireless router)</li><li>2. Wireless network printer</li><li>3. Computer connecting to access point via wireless network</li><li>4. Computer connecting to access point via network cable</li></ol>
	<p>Wi-Fi Direct mode: wireless client is connecting to a printer with Wi-Fi function</p> <ol style="list-style-type: none"><li>1. Wireless network printer</li><li>2. Wireless client is directly connecting to a wireless network printer</li></ol>

### 5.1. Basic structure mode

You can connect a computer to your printer via access point (wireless router) as the medium. Access point (wireless router) connection is divided into wireless network setup and Wi-Fi Protected Setup (WPS).

**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.

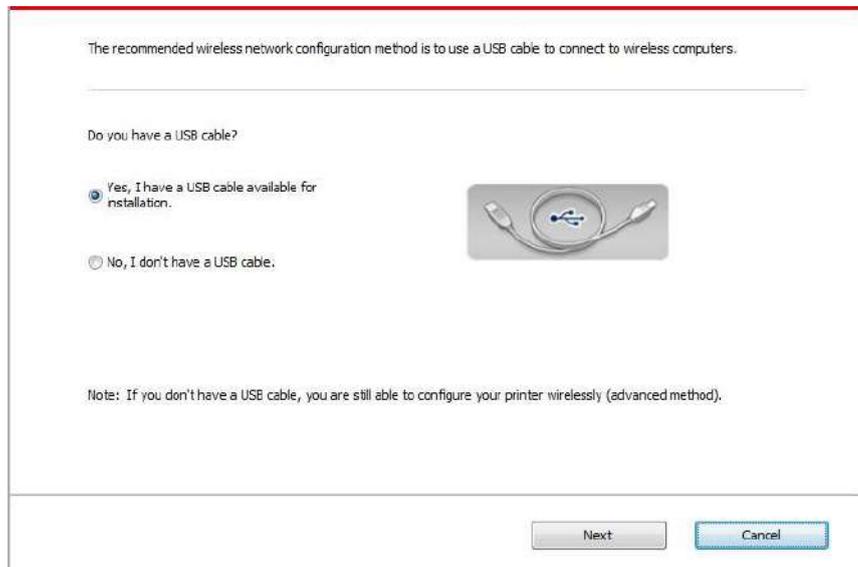
1) **Windows system:** Click the “Start menu” – “All programs” - “Pantum” — Product name – “Wireless network setup tool”.

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".

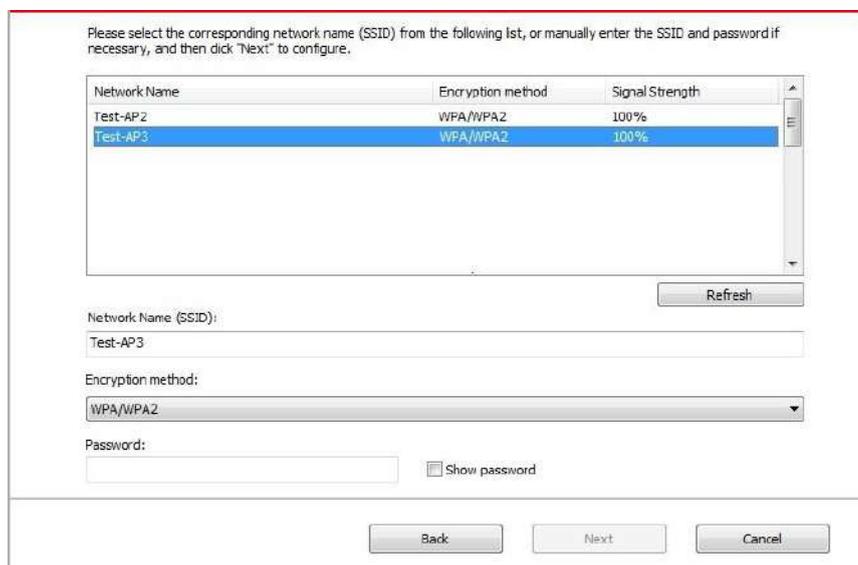
2.1 The computer has been connected to wireless network.

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:** • At present, the printer supports 3 types of safe modes: none, WEP and WPA/WPA2.

1) None: There is no encryption method used.

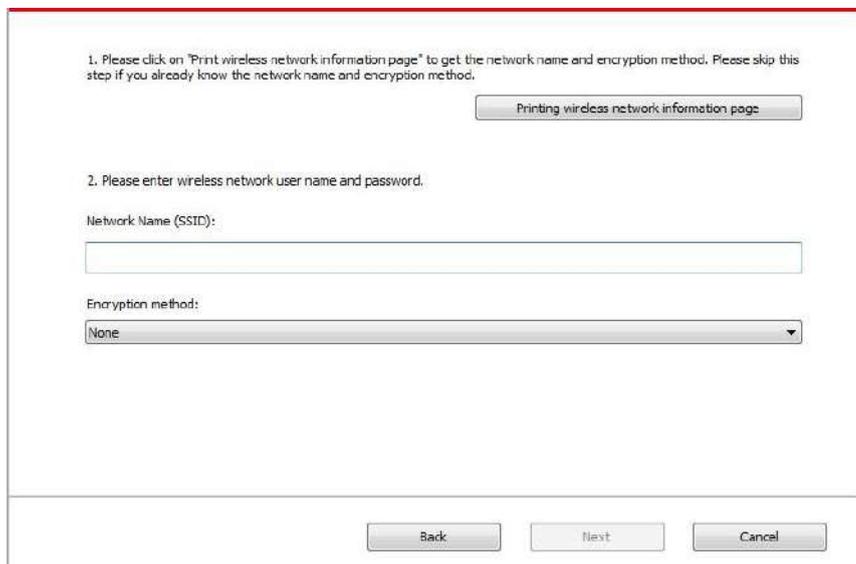
2) WEP: Send and receive data via security key by using WEP (Wired Equivalent Privacy). WEP key is applicable to 64-digit and 128-digit encrypted network and can contain numbers and letters at the same time.

3) WPA/WPA2: it is the pre-shared key (PSK) of Wi-Fi protected access which connects wireless device and access point via TKIP or AES encryption (WPS-Personal). The working length of WPA/WPA2 is within the PSK of 8-63 characters.

• The display password is not ticked by default; if it is ticked, all passwords input can be seen in clear text.

---

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.



---

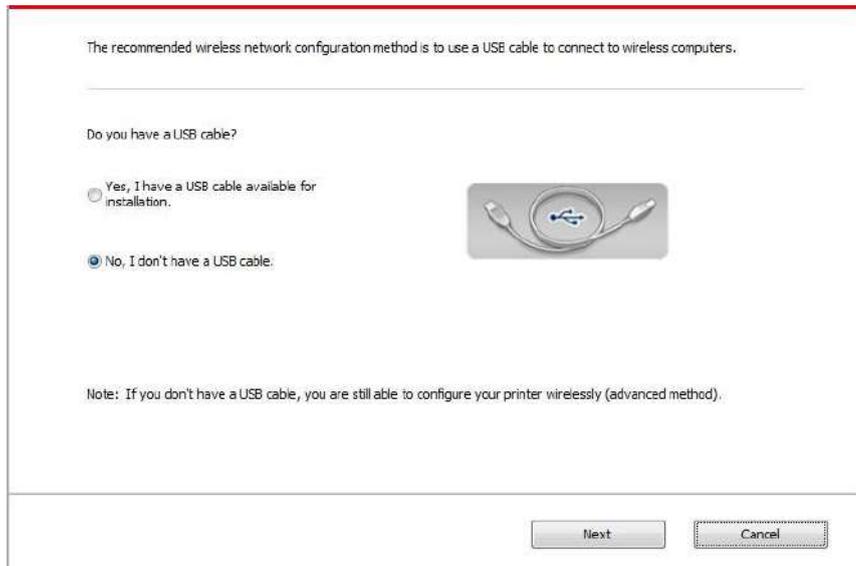
 **Note:** • If you do not know the SSID of access point (wireless router), please click “Print Wireless Network Information Page” to view the SSID of the needed access point (wireless router).

• If the printer cannot be used normally after wireless network setup is finished, please install the drive again.

---

### 3. Use WPS connection .

Select “No, I don't have a USB cable” in the interface below and then click “Next”.



1) Use WPS method to perform steps below to start wireless network on printer. (Please refer to [Chapter 5.1.2](#) for detailed WPS configuration)



2) Judge if the printer is successfully connected according to the status of Wi-Fi indicator on printer. If configuration failed, please click “Previous” to configure again; if configuration succeeded, please click “Done” to complete configuration.



---

 **Note:** • If the printer cannot be used normally after wireless network setup is finished, please install the drive again.

---

## 5.1.2. Wi-Fi Protected Setup (WPS) setup

If the access point (wireless router) supports Wi-Fi Protected Setup (WPS), the Wi-Fi key on the control panel of printer and WPS key on access point (wireless router) can be pressed in order to connect the printer to wireless network.

### 5.1.2.1. Preliminary preparations

1. The access point (wireless router) supports Wi-Fi Protected Setup (WPS).
2. A printer that has wireless network function.

### 5.1.2.2. Wi-Fi Protected Setup (WPS) method

1. Turn on the power of printer and access point (wireless router).
2. Make sure the printer is in ready state.

---

 **Note:** • If the printer is in sleep mode, it can be woken up by pressing any key on the control panel of printer.

---

3. Press "Wi-Fi" button on the printer panel for over 2s until the Wi-Fi indicator flashes in blue and then release the button.
4. Press the WPS key on access point (wireless router) within 2min and then release it.
5. When the access point (wireless router) and printer start to connect, the blue Wi-Fi indicator of printer starts to blink. The blue Wi-Fi indicator of printer will be normally on after successful connection.

If the connection is not established after more than 2min, the printer will return to its ready state, the Wi-Fi indicator will be off and Wi-Fi Protected Setup (WPS) connection will fail. If it is needed to connect again, please repeat steps 3-4 above.



**Note:** • Please refer to [Chapter 5.1.3](#) for how to cancel and disconnect Wi-Fi connection.  
• After successful Wi-Fi Protected Setup (WPS) connection, please install a driver if you want to print via wireless network.

---

### **5.1.3. 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).

## 5.2. Wi-Fi 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 Wi-Fi Direct feature.
2. Wireless client (including computer and mobile device with wireless network feature).

### 5.2.2. Wi-Fi Direct connection

Before connecting to printer hotspot, turn on direct Wi-Fi connection of the printer by short pressing "Wi-Fi" button on the panel.

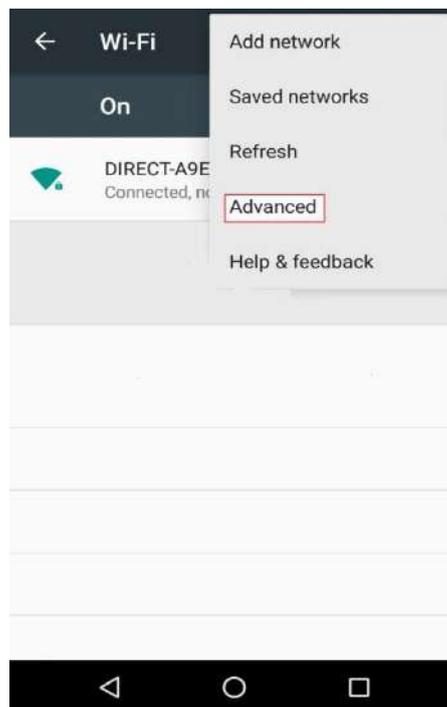


**Note:** • Short press "Wi-Fi" button on the printer panel to automatically print out "Mobile Device Wi-Fi Connection Wizard" page for Wi-Fi connection by mobile devices.

#### 5.2.2.1. Connection method of wireless client that supports Wi-Fi Direct feature (direct invitation to connect)

You must use mobile devices that support Wi-Fi Direct function for Wi-Fi Direct connection. The operating steps may differ because of the mobile device you are using.

1. Turn on printer power.
2. Turn on the mobile device and select setup to enter Wi-Fi connection interface.



3. Select “Advanced” and then select “Wi-Fi Direct” in advanced WLAN interface.



4. Select printer SSID on direct interface to launch a connection invitation.
5. Press “OK key” to confirm connection when the panel lead to prompts whether to connect to start Wi-Fi Direct connection.



---

**Note:** • In case of auto connection mode, the mobile device will start to connect automatically after initiating connection invitation without panel confirmation.

---

### 5.2.2.2. Connection method of wireless client that does not support Wi-Fi Direct function (input password to connect)

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

### 5.2.3. How to disable the Wi-Fi Direct

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

### 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), macOS 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 Wi-Fi Direct function.
4. Set up mail server client and acquire printer state via E-mail notification.

The screenshot shows the 'Wired IP Configuration' page in the Pantum web interface. The page is divided into three main sections: a left sidebar with navigation options, a central configuration area, and a right sidebar with a tip. The central area contains the following fields:

Field	Value
Host Name	Pantum-F6569E
MAC Address	02:08:86:F6:56:9E
IPv4 Address Assignment Mode	Automatic
IPv4 Address	10.10.148.151
Subnet Mask	255.255.255.0
Gateway Address	10.10.148.254
Domain Name	
IPv4DNS分配方式	Automatic
Primary IPv4DNS Server Address	10.10.0.2
Secondary IPv4DNS Server Address	10.10.0.1
IPv6 Local Link Address	fe80::8:86ff:fe6:569e

Buttons for 'Apply' and 'Cancel' are located at the bottom of the configuration area. The right sidebar contains a 'Tip' box with the text: 'This page provides configuration related to Printer Name, wired IPv4, and wired IPv6-related attributes.'

### 6.2.1. IP address setup

You need to connect your printer to network before IP address setup.

1. In case of wired network model, connect the printer to wired network by connecting to its network interface with network cable.
2. In case of wireless network model, the printer can be connected to wireless network via wireless network setup tools or Wi-Fi Protected Setup(WPS) (please refer to [Chapter 5.1.2](#)).

#### 6.2.1.1. IPv4 setup

IPv4 address of the printer is divided into DHCP auto assignment and manual setting, and the DHCP auto assignment function is on by default. You can set up the IPv4 address of printer manually to set up fixed IPv4 address for 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 “Settings” – “Network settings” – “Protocol Settings” – “Wired IP Configuration”.
4. Set the IPv4 address assignment mode as “Manual”.
5. Input “IPv4 Address”, “Subnet Mask” and “Gateway Address”, and then click “Apply”.

### 6.2.1.2. 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”.
- You can refresh the browser and view the “IPv6 Local Link Address” and “Stateful Address” in “Wired IP Configuration” interface.



---

**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. Wireless setup

You can set up the wireless network, wireless IP setup, Wi-Fi 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).

### 6.2.2.1. 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”.

### 6.2.2.2. 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”.

### 6.2.2.3. WPS setup

1. Click “Settings” – “Network settings” – “Wireless setup” – “WPS”.
- 1) Select the “WPS Startup Method” you need, and then click “Apply” and operate according to page prompt.

### 6.2.2.4. Wi-Fi Direct setup

1. Click “Settings” – “Network settings” – “Wireless setup” – “Wi-Fi Direct”.

## 6.2.3. 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.

### 6.2.3.1. 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”.

### 6.2.3.2. 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”.

## 6.2.4. 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.



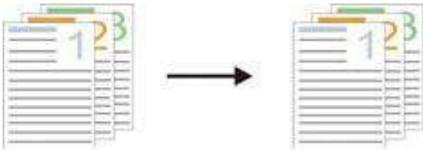
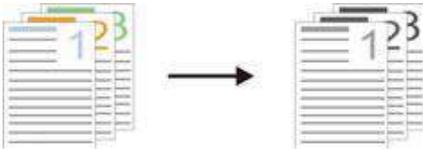
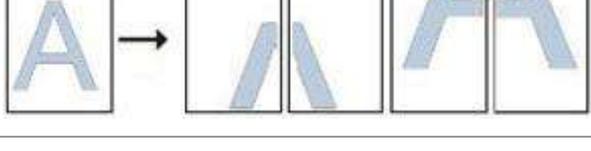
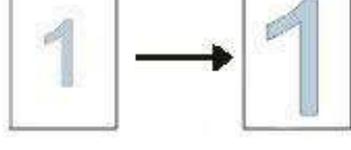
**Note:** • After factory settings of printer are recovered, user name of the administrator will be recovered to admin and the login password will be recovered to 000000.  
• You can also recover factory settings via keys on the control panel of printer, please refer to [Chapter 9.1.5](#).

---

# 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
Color Printing <sup>1</sup>	
Monocolor printing	
Collate Print	
Reverse Print	
N-in-1	
Poster Print(for Windows Operation System only)	
Zoom Print	
Booklet printing	



- 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 7.2.5](#) for the method to open help document).
  - Note 1: When the Cyan (C), Magenta (M) or Yellow (Y) laser toner cartridge cannot be replaced promptly after its life is expired, you can choose to continue printing in black and white.

## 7.2. Print Settings



- Note:**
- Windows 7 is taken as example for the following operation.

### 7.2.1. Setting the printing parameters

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.

## 7.2.2. Print quality settings

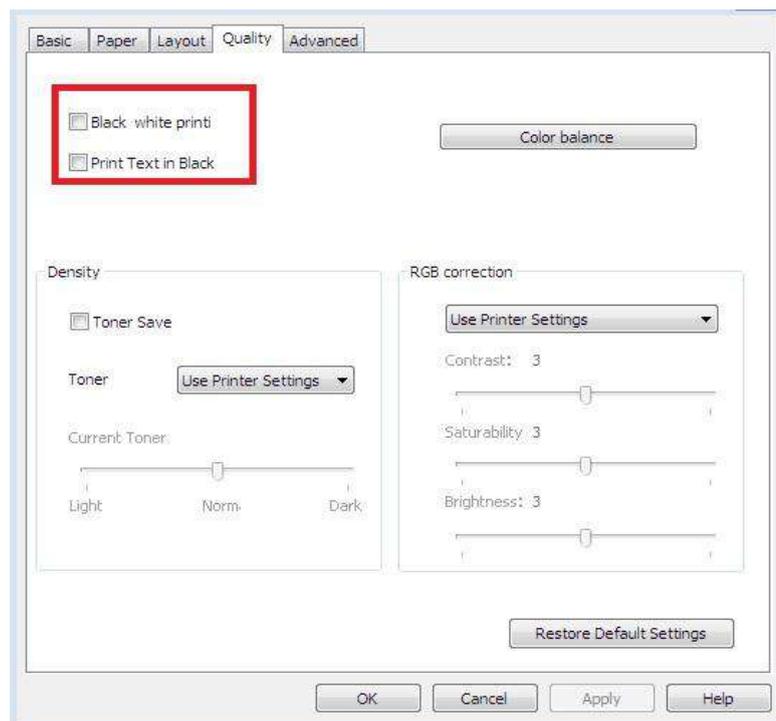
### 7.2.2.1. Print Color

The printer supports color printing, black-and-white printing, and printing text in black. You can change it through the following steps as necessary.

1. Open the file to be printed, click the “File” menu in the upper left corner, and select “Print” to enable the print driver.
2. Select printer of the corresponding model.
3. Click “Printer Properties/Preferences” to configure printing.
4. Enter the “Quality” option interface.
5. Check the print effect you want according to your need.



- Note:**
- If you don't check any one of them, the print effect will be output in color mode.
  - If you check “Black & White Printing”, the print effect will be output in black mode.
  - If you check “Printing Text in Black”, the print effect will be text printed in black, and graphics and images printed in color. If the application recognizes the font as an image, the printer may print the text in color.

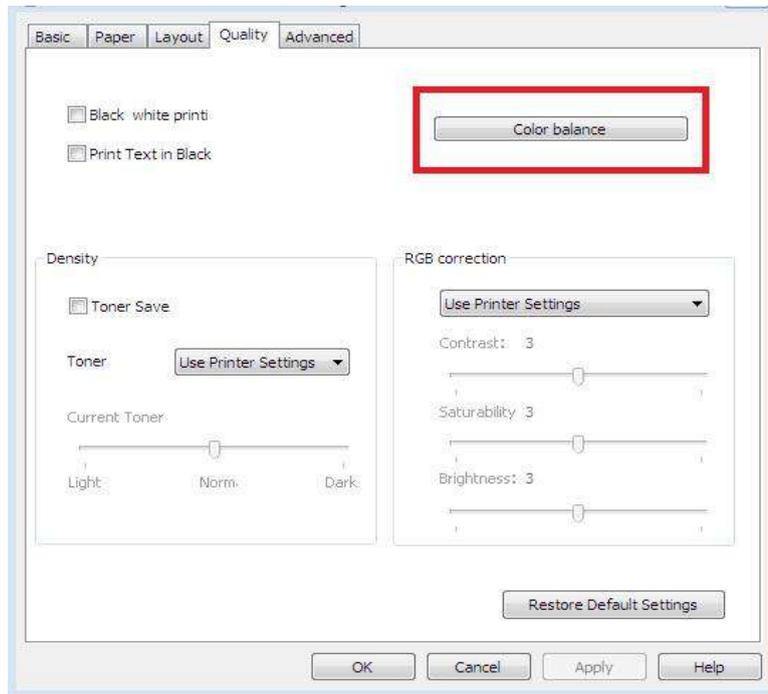


6. Click “OK”/“Apply” in the lower left corner to complete the print settings.
7. Click “Print” to achieve the print effect you want.

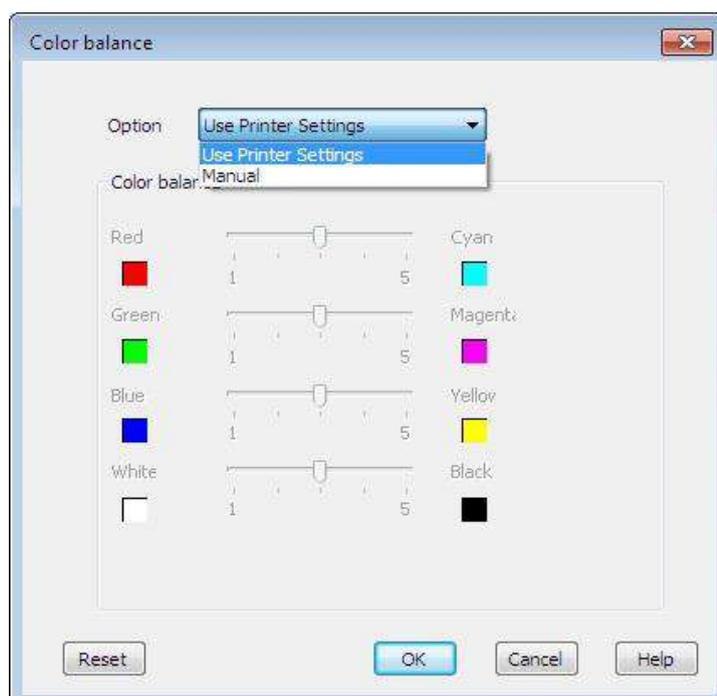
### 7.2.2.2. Color balance

Color balance is used to adjust the amount of toner used for each color. You can change it through the following steps as necessary.

1. Open the file to be printed, click the “File” menu in the upper left corner, and select “Print” to enable the print driver.
2. Select printer of the corresponding model.
3. Click “Printer Properties/Preferences” to configure printing.
4. Enter the “Quality” option interface. Click “Color Balance”.



5. Select “Manual” among the options to adjust the parameters for the amount of toner for each color to be used in the printed document.





---

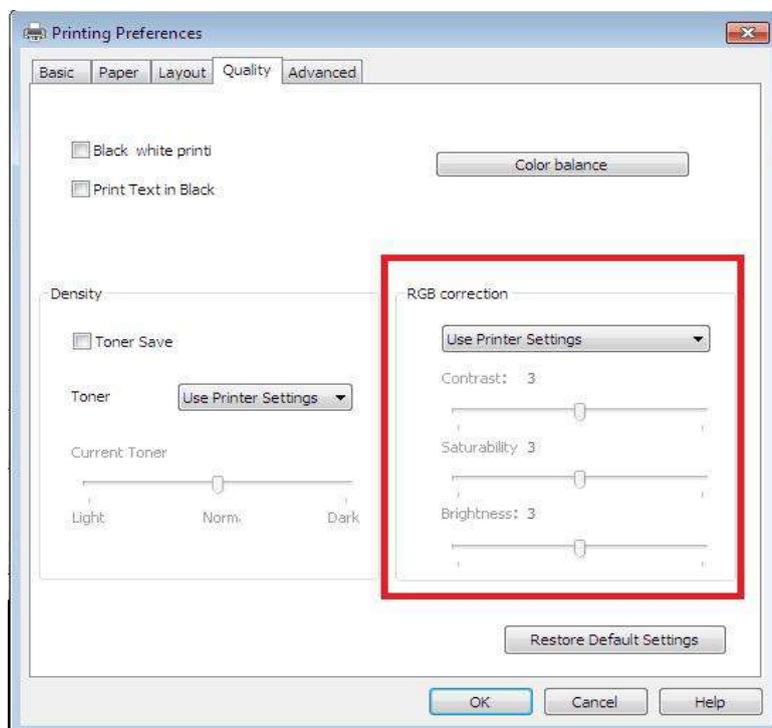
**Note:** • If you choose “Use Printer Settings”, the parameters in the color balance cannot be adjusted, and the settings specified in the printer are applied.

---

### 7.2.2.3. RGB correction

Adjust the contrast, saturability and brightness of the color output. You can change it through the following steps as necessary.

1. Open the file to be printed, click the “File” menu in the upper left corner, and select “Print” to enable the print driver.
2. Select printer of the corresponding model.
3. Click “Printer Properties/Preferences” to configure printing.
4. Enter the “Quality” option interface. In the “RGB Correction” option, select “Manual” to adjust “Brightness”, “Contrast” and “Saturability”.



---

**Note:** • If you choose “Use Printer Settings”, you cannot adjust the contrast, saturability, and brightness, and the settings specified in the printer are applied.

---

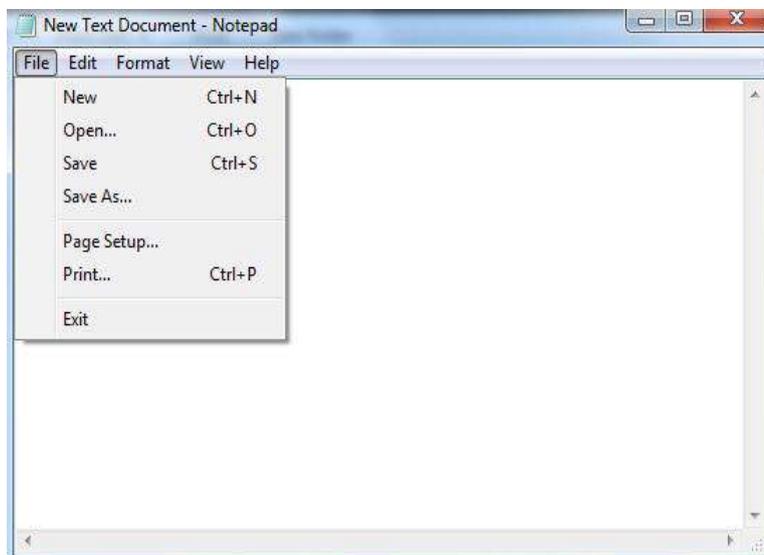
### 7.2.3. Duplex

The printer supports duplex printing of plain paper. Paper size supported by the duplex printing: A4, Letter, Legal, Folio, Oficio.

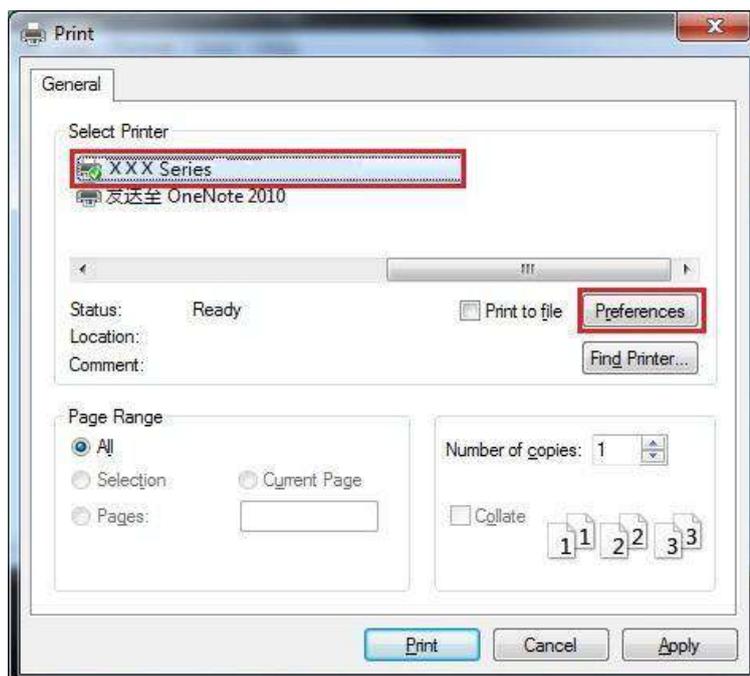
- 
-  **Note:**
- Some paper media are not suitable for duplex printing, and trying duplex printing may result in damage to the printer.
  - Duplex is not available for poster printing.
  - Please refer to [Section 2](#) for loading paper and print media in the tray.
- 

#### Setting steps:

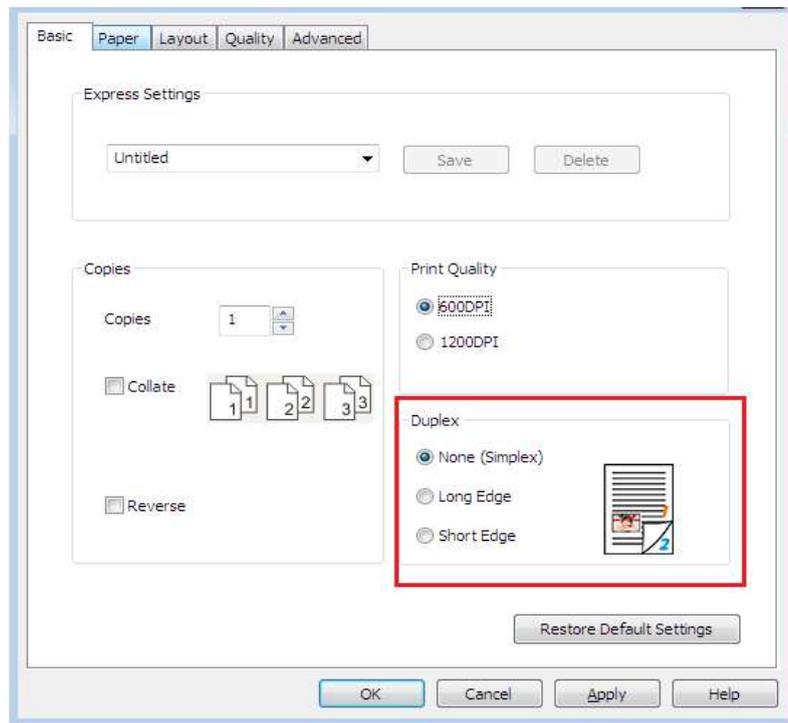
1. Open the print job to be printed from the application (such as a Notepad).
2. Click the “File” menu in the upper left corner, and select “Print” to enable the print driver.



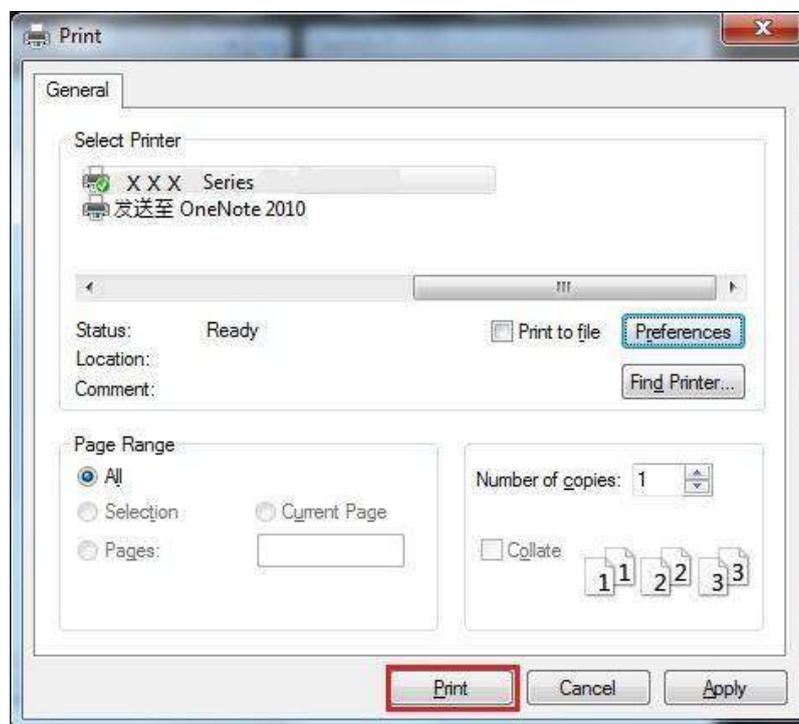
3. Select printer of the corresponding model.



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 enable duplex printing.



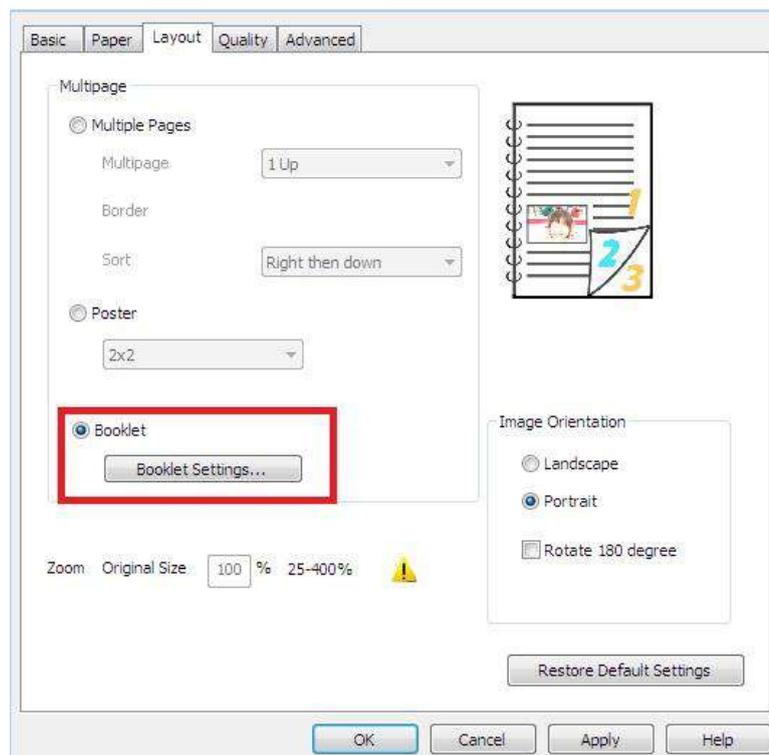
## 7.2.4. Booklet printing

- 
-  **Note:** • "Booklet" cannot be concurrently used with "Multipage" or "Zooming".
- To enable the Booklet function, please also check "collated".
  - To start a Booklet, please select any of the following paper types: A4, Letter, Legal, Oficio or Folio.
  - Since Booklet always goes with duplex printing, when it is selected, "Duplex" will be checked automatically and cannot be unchecked.
- 

Operating steps for booklet printing:

1. Open the file to be printed, click the "File" menu in the upper left corner, and select "Print" to enable the print driver.
2. Select printer of the corresponding model.
3. Click "Printer Properties/Preferences" to configure printing.
4. Enter the "Layout" option interface and select "Booklet".

- 
-  **Note:** • For other settings of booklet printing, click "Booklet Settings...", complete print settings in the "Booklet Settings" interface as needed, and then click "OK".
- 

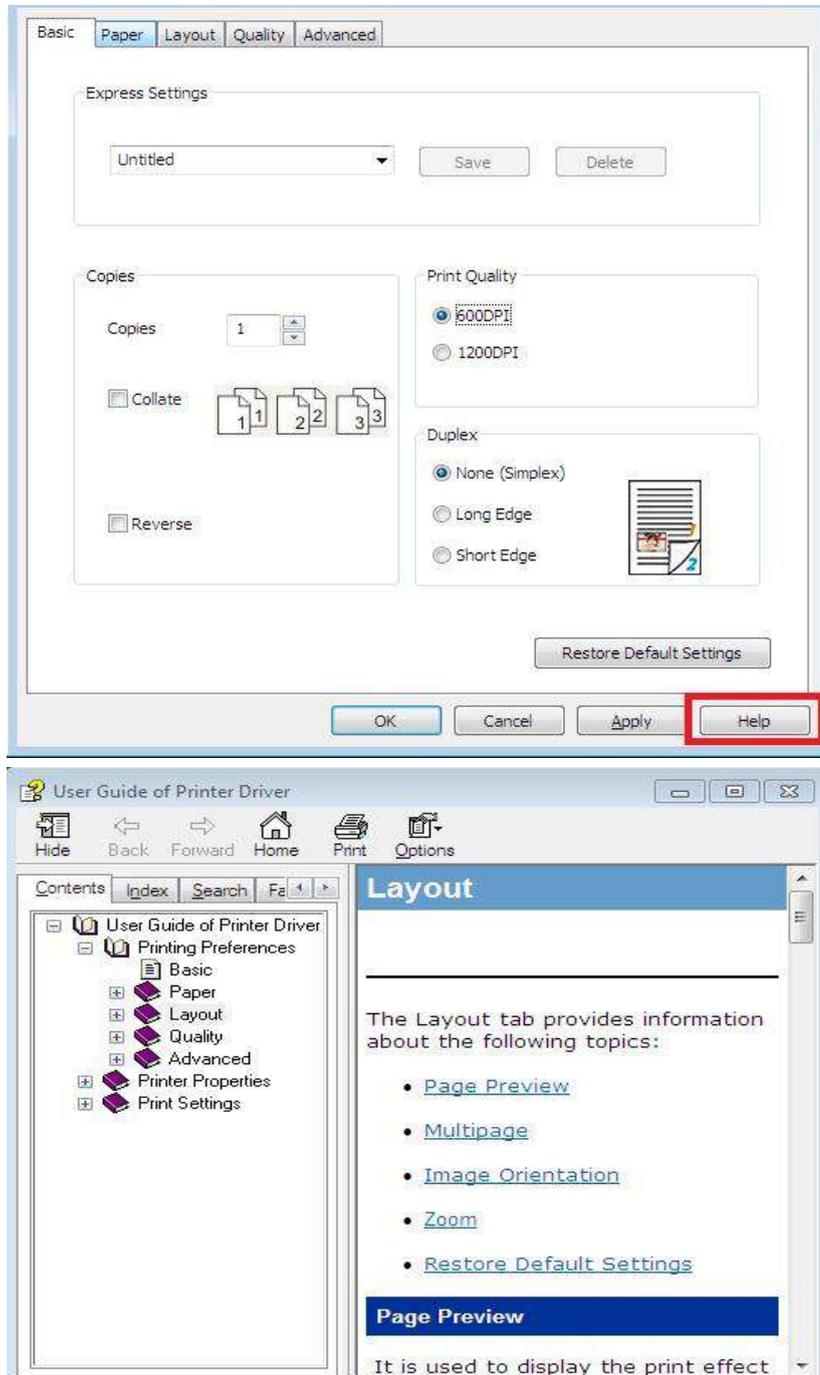


4. Click "OK"/"Apply" to finish printing setup. Click "Print" to print the booklet.

- 
-  **Note:** • Documents will be re-paged after selecting booklet printing. It will print two pages on each side of the paper, and then fold out of it to form a book-like booklet.
-

## 7.2.5. 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.



## 7.3. 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.

### 7.3.1. 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 [Chapter 2.1](#).

---

### 7.3.2. Printing with manual feed tray

When you put paper into the manual tray, the printer will automatically print with the paper in the manual tray first.



**Note:**

- Only one sheet can be loaded into the manual tray at a time.
- Please refer to [Chapter 2](#) for putting papers inside manual feed tray.
- Please refer to [Chapter 2.2](#) for type of mediums that can be printed via manual feed tray.

---

### 7.4. Cancel printing

The current print job can be cancelled during printing. For printers with LCD control panel, press “Cancel” to cancel the current print job; for printers with LED control panel, press “Cancel/Continue” for more than 2 seconds to cancel the current print job.

# 8. Mobile Print

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

## 8.1. Android device mobile printing

### 8.1.1. Pantum

Pantum Print is an application free of charge, by which you can directly print TXT, PDF, office documents, pictures and Web in your mobile phone or Tablet PC.

#### 8.1.1.1. Operating systems and Apps supported by Pantum

Pantum Print is applicable to Android OS 5.1-10.0. Currently, Pantum Print supports TXT, PDF, office documents, pictures and Web.

#### 8.1.1.2. How to download Pantum App

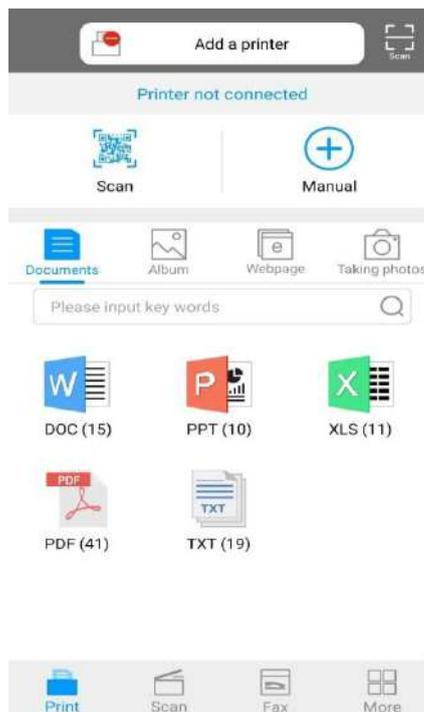
1. You can download it from its official website <http://www.pantum.com> > Service & support > Driver download > Select printer model > Download and install.
2. You can use Google Play Store > Apps > to search Pantum Mobile Printing > Download and install.

#### 8.1.1.3. Preliminary preparations

1. A printer that has wireless network function.
2. Android mobile device.

#### 8.1.1.4. How to use Pantum

1. Turn on printer power.
2. Click “PANTUM” icon on the main screen of an Android device and the following interface will pop out.



3. Click "Add a printer" button at the top of interface, then select the way according to your habit to add the printer.
4. Select the function you need and set it up to meet your function needs.



- 
- Note:**
- If printing fails, please inspect if the Android device is connected to the wireless network where the printer is connected to.
  - If the Android mobile device did not detect any printer, check whether the printer is powered on and the printer is turned on.
  - For more details, please refer to the mobile print user guide attached.
- 

## 8.1.2. Mopria mobile print

Mopria mobile print requires installing Mopria Print Service on the Android device. You can print photos, emails, webpages and files.

### 8.1.2.1. The operating systems and applications which support Mopria mobile printing

1. Mopria mobile printing is suitable for Android 4.4 or higher version.
2. Mopria mobile printing is supported by applications, e.g. Microsoft Office 1.01(16.0.4201.1006) or higher version, Adobe Reader (V11.7.1) or higher version.

For more information about applications which support Mopria printing, please visit: <http://mopria.org/spotlight-wall>

### 8.1.2.2. How to download Mopria Print Service

1. Download Mopria Print Service from Google Play and install it on the Android device.

### 8.1.2.3. Preliminary preparations

1. A printer that has wireless network function.
2. Android mobile device.

### 8.1.2.4. How to use Mopria mobile printing

Before printing, please set the Mopria print service as "On".

1. Tap the "Settings" of the Home Screen on Android mobile device, and select "Print".
2. Set the "Mopria print service" as "On".

All other printing plug-ins should be shut down when you use Mopria mobile printing function.

The printing steps may vary by applications, taking Adobe Reader as an example for explanation.

1. Turn on printer power.
2. Connect the Android mobile device with wireless network of the printer (Please refer to [Chapter 5](#) for how to connect).
3. Open the files you need to print with Adobe Reader on the Android device.

4. Click  .

5. Tap "Print".

6. Please make sure the Pantum printer is selected.

If you selected other printer (or failed to select any printer), please tap the pull-down menu of printer, and select your Pantum printer.

7. Set printing parameters, e.g. print pages.

8. Tap "Print".



**Note:**

- If printing fails, please inspect if the Android device is connected to the wireless network where the printer is connected to.
- If the Android mobile device did not detect any printer, check whether the printer is powered on and the printer is turned on.

---

## 8.2. iOS device mobile printing

### 8.2.1. Pantum

Pantum is a free App with which you can print TXT files, photos and webpages from your smart phone or tablet directly.

#### 8.2.1.1. Operating systems and Apps supported by Pantum

Pantum Print is applicable to iOS 7.0-13.0. Currently, Pantum Print supports TXT, PDF, office documents, pictures and Web.

#### 8.2.1.2. How to download Pantum App

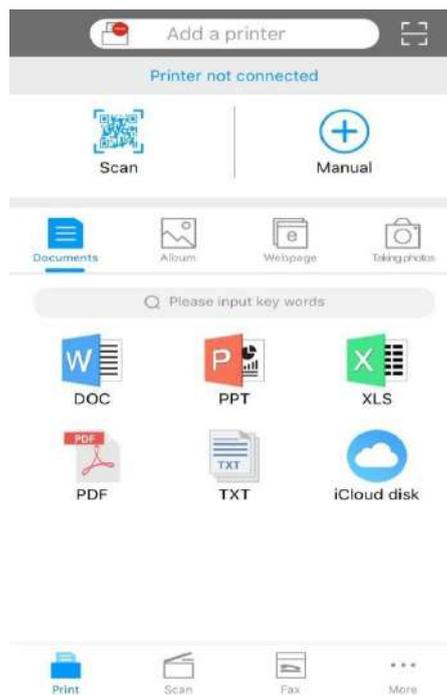
1. Click the App Store icon > Search interface > input “PANTUM” or “Pantum print” in the search bar > Download and install on the interface of iOS device to download.

#### 8.2.1.3. Preliminary preparations

1. A printer that has wireless network function.
2. iOS mobile device.

#### 8.2.1.4. How to use Pantum

1. Turn on printer power.
2. Click “PANTUM” icon on the main screen of an iOS device and the following interface will pop out.



3. Click "Add a printer" button at the top of interface, then select the way according to your habit to add the printer.

4. Select the function you need and set it up to meet your function needs.



- Note:**
- If printing fails, please inspect if the iOS device is connected to the wireless network where the printer is connected to.
  - If the iOS mobile device did not detect any printer, check whether the printer is powered on and the printer is turned on.
  - For more details, please refer to the mobile print user guide attached.

## 8.2.2. AirPrint mobile print

Only printers that support AirPrint function can realize AirPrint printing. Please check if there is AirPrint mark on the packaging of the printer, in order to identify if the printer supports AirPrint function.

### 8.2.2.1. Operating systems supported by AirPrint mobile print

Applicable to iOS 7.0 or higher versions.

### 8.2.2.2. Preliminary preparations

1. A printer that has wireless network function.
2. iOS mobile device.

### 8.2.2.3. How to use AirPrint mobile printing

The printing steps may varied by applications, taking PDF as an example for explanation.

1. Turn on printer power.
2. Connect the iOS mobile device with wireless network of the printer (Please refer to [Chapter 5](#) for how to connect).
3. Open the files you need to print in the format of PDF on the iOS device.
4. Click .
5. Tap "Print".
6. Please make sure the Pantum printer is selected.

If you select other printers (or no printer), please click printer option and then select your Pantum printer.

7. Set printing parameters such as number of copies to print.
8. Tap "Print".

---

 **Note:** • If printing fails, please inspect if the iOS device is connected to the wireless network where the printer is connected to.  
• If the iOS mobile device did not detect any printer, check whether the printer is powered on and the printer is turned on.

---

## 9. General Settings

This Chapter mainly introduces some general settings.

- 
-  **Note:**
- Printer appearance may differ because of various models and functions, so the schematic diagram is only for your reference.
  - For LCD printers, you can change the settings through the printer control panel.
  - For LED printers, you can change the settings through the computer (Steps: Computer “Start” - “Control Panel” - “Device and Printer” - select corresponding printer - right click - “Printer Properties” - “Printer Setup” - “More 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 “” on the printer control panel to enter the ready interface.
2. Press “” or “”, select “System Settings” - “Language Setting”, and set the language as you want.



## 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 “” on the printer control panel to enter the ready interface.
2. Press “▲” or “▼” to select “System Settings” - “Sleep Time Setting”, and set the sleep time as you want.



---

**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 6.2.3.2](#)) .

---

### 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.

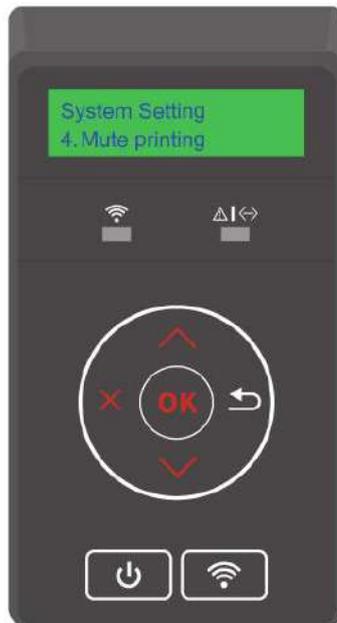
1. Press “” on the printer control panel to enter the ready interface.
2. Press “” or “”, select “System Settings” - “Toner Save”, and turn on/off Toner Save mode.



## 9.1.4. Mute printing

Set mute printing to realize low-noise printing at a reduced speed. When mute printing is “on”, printing will be in a low speed.

1. Press “” on the printer control panel to enter the ready interface.
2. Press “” or “”, select “System Settings” - “Mute Printing”, and turn on/off Mute Printing 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 “” on the printer control panel to enter the ready interface.
2. Press “” or “”, select “System Settings” - “Recover factory settings”, and restore “printer settings”, “network settings”, and “all settings” to factory settings.



---

 **Note:** • Factory settings of network printer can be recovered via embedded Web server (please refer to [Chapter 6.2.4](#)) .

---

## 9.1.6. Auto shut-off setting

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

1. Press “” on the printer control panel to enter the ready interface.
2. Press “▲” or “▼”, select “System Settings” - “Auto OFF”, and set OFF conditions and OFF delay.



---

 **Note:** Set auto off condition:

- Shutdown under no-port state (default configuration. : no port is connected, Wi-Fi 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. Print Settings

### 9.2.1. Print Density

You can set the toner density to make the print effect pale or dark.

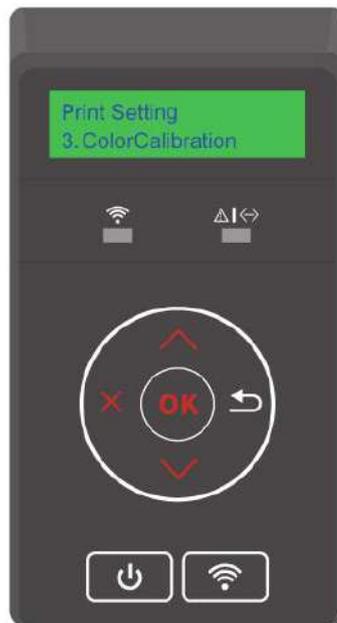
1. Press “” on the printer control panel to enter the ready interface.
2. Press “” or “”, select “Print Settings” - “Print Density” to change the Print Density.



## 9.2.2. Color Calibration

When the environment where your printer is used changes greatly, the printer may automatically perform color calibration for better printing results. You can also calibrate the color manually in the following way:

1. Press “” on the printer control panel to enter the ready interface.
2. Press “” or “”, select “Print Settings” - “Color Calibration”, and select “Fully Calibrated” or “Margin Calibrated”.



- 
-  **Note:** • When your printer performs a certain amount of print jobs, it will automatically perform color calibration.
- When you replace the laser toner cartridge with a new one, the printer will automatically perform color calibration.
-

## 9.3. Network Settings

You can check or set network status via network setting.

1. Press “” on the printer control panel to enter the ready interface.
2. Press “▲” or “▼”, select “Network Settings” to set “Wired Network Setting”, “Wireless Network Setting” and “Wi-Fi Direct” options.

---

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

---



## 9.4. Network Information

You can check the network status through Network Information.

1. Press “” on the printer control panel to enter the ready interface.
2. Press “▲” or “▼”, select “Network Infor” to view “Wired Network Infor”, “Wireless Network Infor” and “Wi-Fi Direct Infor”.



## 9.5. Print information report

Printing information reports can help you quickly understand product information, diagnose and resolve product failures. If you need to print other information pages, you can print them by the following steps.

1. Press “” on the printer control panel to enter the ready interface.
2. Press “” or “”, select “Print Info Report” to print the product reports as needed.



Product reports that can be printed include demonstration page, information page, menu structure page, network setup page, Wi-Fi hotspot list page, quality test 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.

---

## 9.6. Consumable information

You can view the consumable information via the printer control panel.

1. Press “” on the printer control panel to enter the ready interface.
2. Press “” or “”, select "Consumable Infor" to view consumables information.



## 10. Routine Maintenance

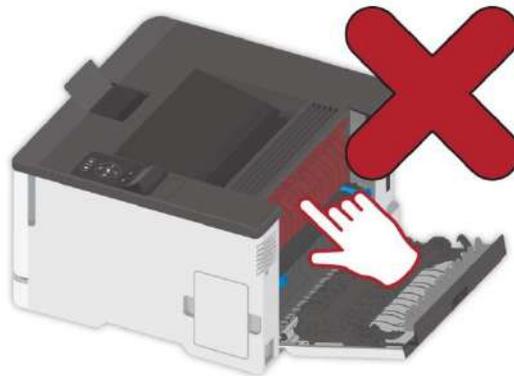
---

 **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

: Some parts of the printer are still in high temperature within a short time after use. To prevent burns, please don't directly touch places labeled with high temperature warning in contact with internal components after opening the printer's front or rear cover.



 **Note:** • Disconnect the printer before cleaning.  
• Please use mild detergents.  
• Use caution when using the printer display to prevent pressing or damaging the touch display. Please use a soft dry cloth or dip in a neutral detergent or ethanol to clean the display surface. Do not use any organic solvents, acidic or alkaline solutions for cleaning.

---

#### 10.1.1. Cleaning the printer

: To avoid the risk of electrical shock when cleaning the exterior of the printer, unplug the power cord from the electrical outlet and disconnect all cables from the printer before proceeding.

 **Note:** • Please perform this job every few months.  
• Damage to the printer caused by improper handling is not covered by the printer warranty.

---

1. Turn off the printer, and then unplug the power cord from the electrical outlet.



2. Remove the paper from the standard exit and feed tray.

3. Remove any dust, lint, and pieces of paper around the printer using a soft brush or vacuum.

4. Wipe the outside of the printer with a damp, soft, lint-free cloth



---

 **Note:** • Do not use household cleaners or detergents, as they may damage the surface of the printer.  
• Make sure that all areas of the printer are dry after cleaning. .

---

5. Connect the power cord to the electrical outlet, and then turn on the printer.

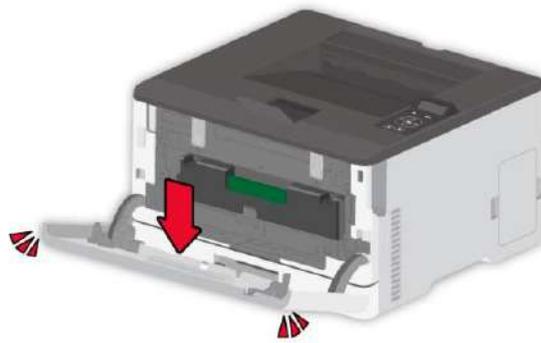
 :To avoid the risk of fire or electrical shock, connect the power cord to an appropriately rated and properly grounded electrical outlet that is near the product and easily accessible.

## 10.2. Replacing parts and consumables

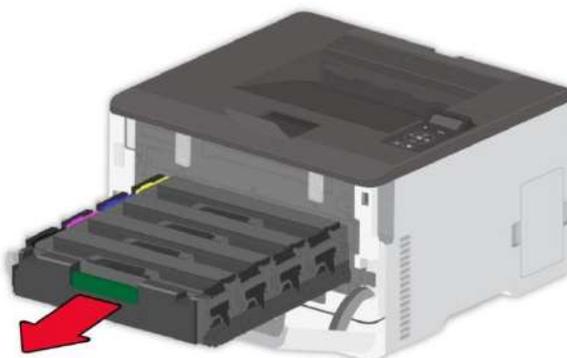
### 10.2.1. Replacing the toner cartridge

 **Note:** • If the tray is unfolded, remove it before replacing the toner cartridge.

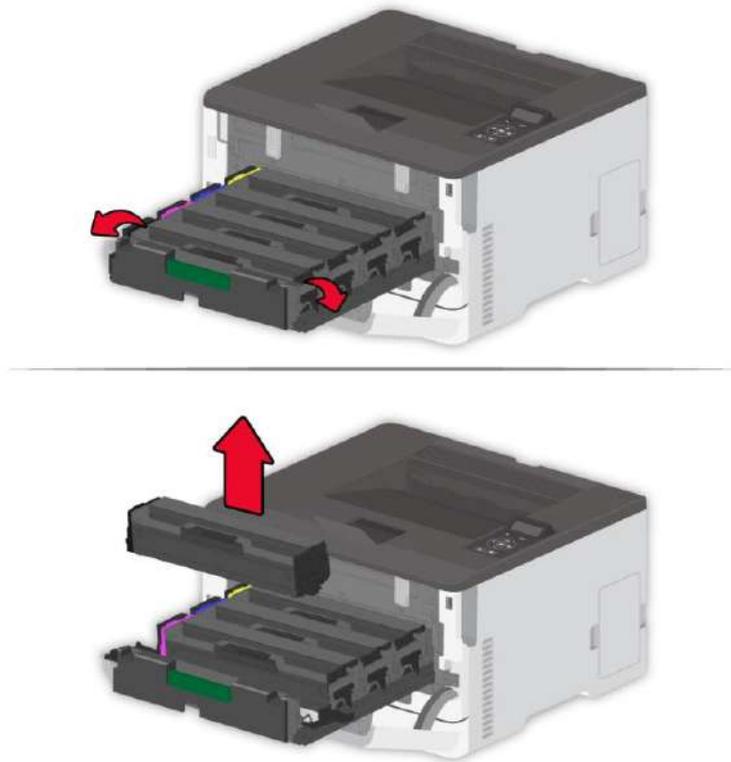
1. Open the front cover, and then push it down hard.



2. Pull out the toner cartridge tray.



3. Remove the used toner cartridge.

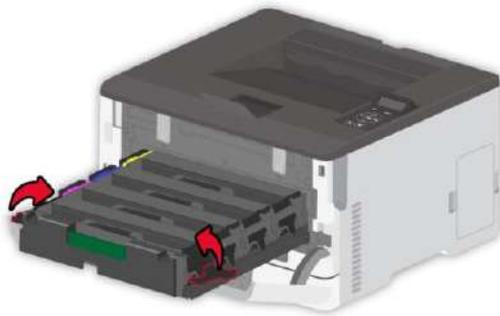
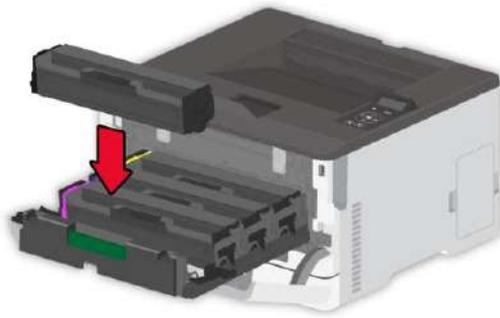


4. Unpack the new toner cartridge.

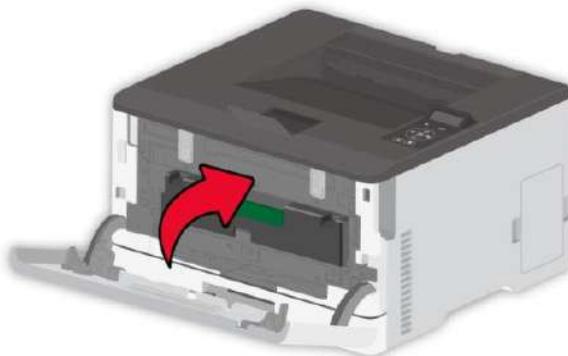
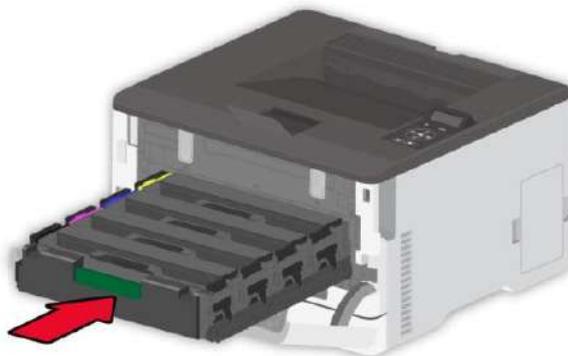
-  **Note:** • Do not expose the bottom of the toner cartridge to direct light. Prolonged exposure to light may cause print quality problems.  
• Do not touch the bottom of the toner cartridge. Otherwise it will affect the quality of future print jobs.



5. Insert a new toner cartridge.



6. Insert the toner cartridge tray, and then close the cover.



## 10.2.2. Replacing the waste toner bottle

1. Remove the used waste toner bottle.



 **Note:** • To avoid toner leakage, keep the waste toner bottle upright.

2. Unpack the new waste toner bottle.
3. Insert a new waste toner bottle.



### 10.2.3. Replace the tray

1. Remove the used tray.



2. Unpack the new tray.

3. Insert a new tray.



## 10.3 Move the printer

### 10.3.1. Move the printer to another location



: To avoid the risk of electrical shock, do not place or use this product near water or wet locations.



: If the printer weighs more than 18 kg, then it requires two or more trained personnel to lift it safely.



: To avoid the risk of fire or electrical shock, use only the power cord provided with this product or the manufacturer's authorized replacement.



: When moving the printer, follow these guidelines to avoid personal injury or printer damage:

- Make sure that all covers and trays are closed.
- Turn off the printer, and then unplug the power cord from the electrical outlet.
- Disconnect all cords and cables from the printer.
- If the printer has casters on its base, then carefully move it to the new location. Use caution when passing over thresholds and breaks in flooring.
- Always use the handholds on the printer to lift it.
- Any cart used to move the printer must have a surface able to support the full footprint of the printer.
- Keep the printer upright.
- Avoid violent vibrations when moving.
- Make sure that your fingers are not under the printer when you set it down.
- Make sure that there is adequate clearance around the printer.



---

**Note:** • Damage to the printer caused by improper handling is not covered by the printer warranty.

---

### 10.3.2. Transporting the printer

When transporting the printer, use the original packaging.

# 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.

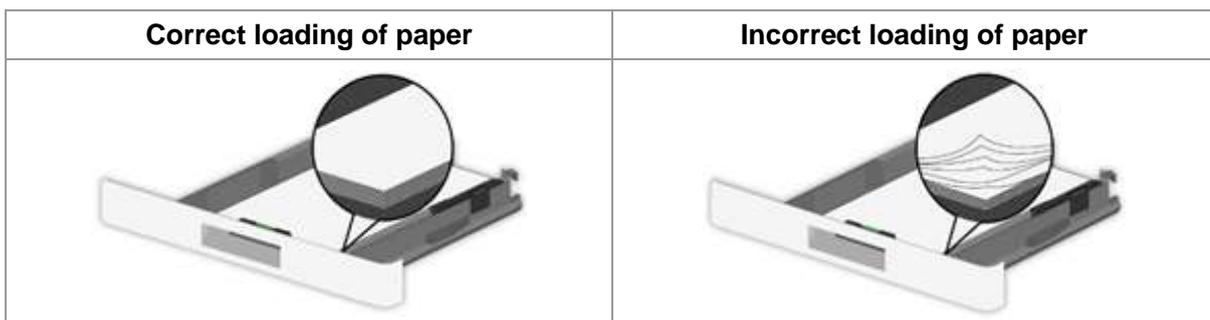
Prior to handling common problems, first check that:

- 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. Avoiding jams

### 11.1.1. Correct loading of paper

- Make sure that the paper lies flat in the tray.



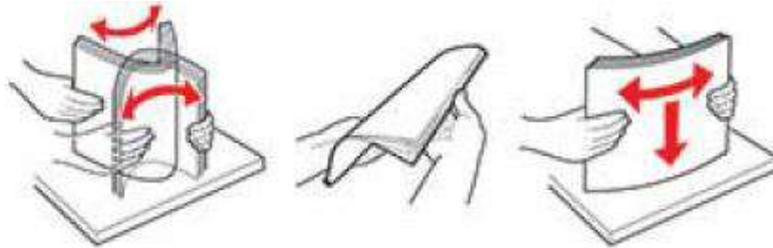
- Do not load or remove a tray while the printer is printing.
- Do not load too much paper. Make sure that the stack height is below the maximum paper fill indicator.
- Do not slide paper into the tray. Load paper as shown in the figure.



- Make sure that the paper guides are positioned correctly and are not pressing tightly against the paper or envelopes.
- After loading the paper, push the tray into the printer.

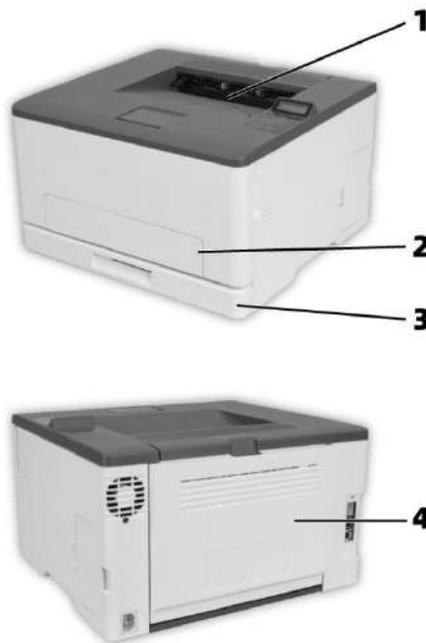
### 11.1.2. Use recommended paper

- Use only recommended paper or special media.
- Do not load paper that is wrinkled, creased, damp, bent, or curled.
- Flex, fan out and align the paper edges before loading.



- Do not use paper that has been cut or trimmed by hand.
- Do not mix paper sizes, weights, or types in the same tray
- Make sure that the paper size and type are set correctly on the computer or printer control panel.
- Store paper according to manufacturer recommendations.

### 11.2. Locate jammed paper



No.	Paper jam locations
1	Standard exit
2	Manual feed tray
3	Automatic Feeder Tray
4	Rear cover

## 11.3. Cleaning Jammed Paper

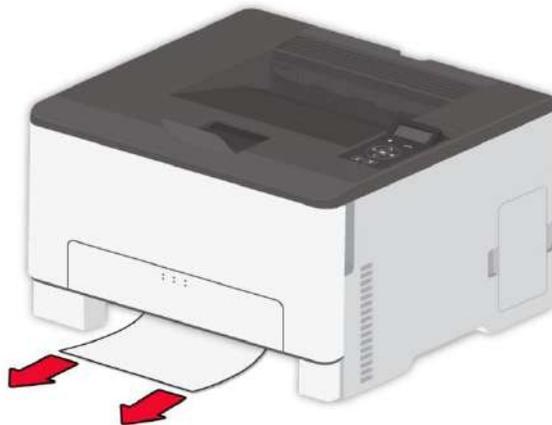
### 11.3.1. Paper jam in the automatic tray

1. Remove the tray.



1. Remove the jammed paper.

 **Note:** • Make sure that all paper fragments are removed.

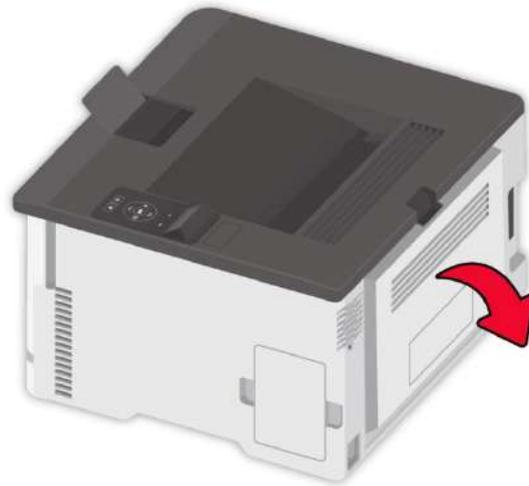


3. Insert the tray.

4. Open the rear cover.



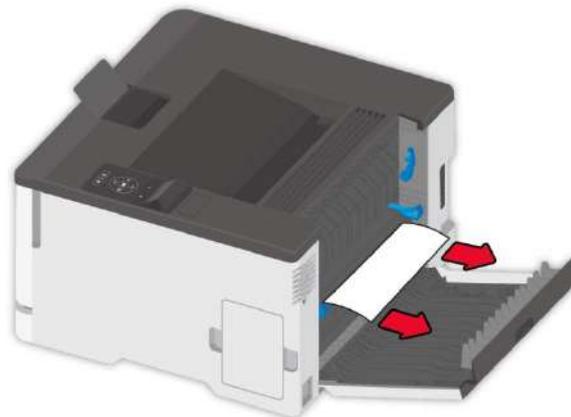
: The inside of the printer might be hot. To reduce the risk of injury by a hot component, allow the surface to cool before touching it.



5. Remove the jammed paper.



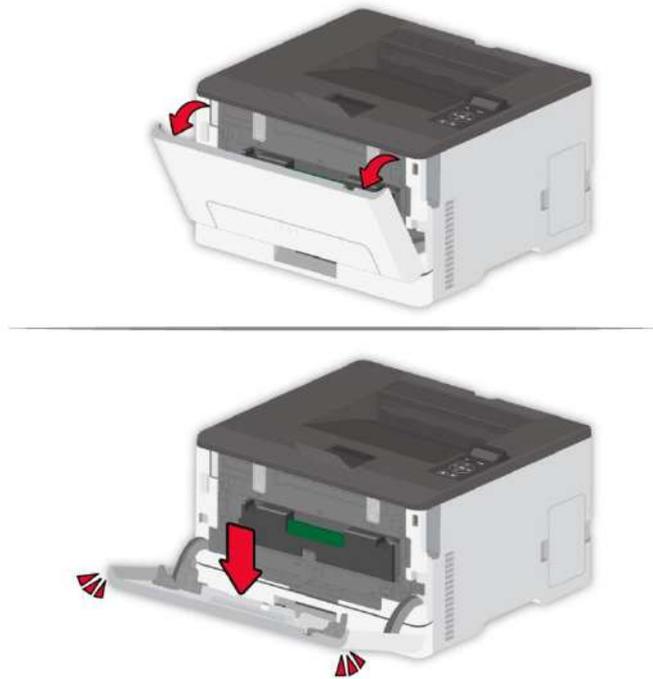
**Note:** • Make sure that all paper fragments are removed.



6. Close the cover.

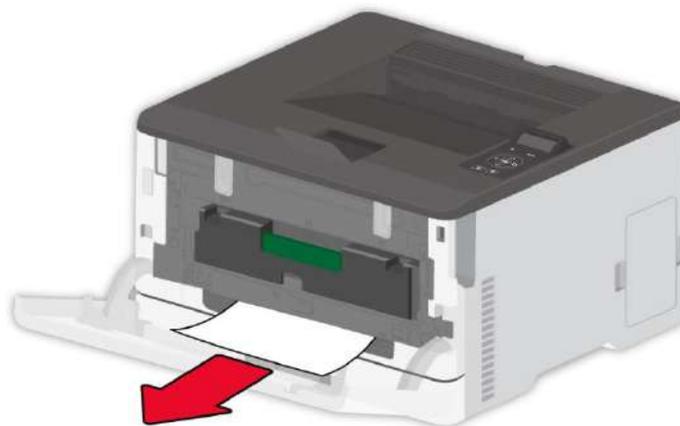
### 11.3.2. Paper jam in the manual tray

1. Open the front cover, and then push it down hard.



2. Remove the jammed paper.

 **Note:** • Make sure that all paper fragments are removed.



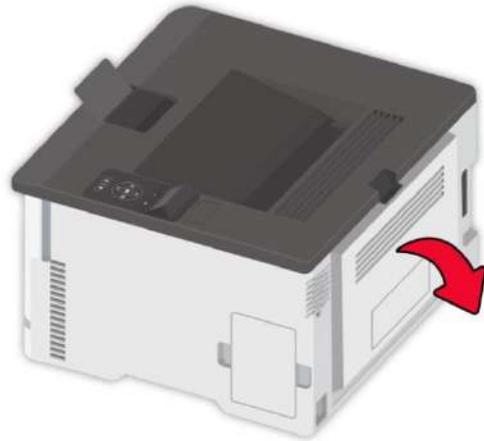
3. Close the front cover.

 **Note:** • If the problem still cannot be solved, please contact the customer services center.

### 11.3.3. Paper jam in the rear cover

1. Open the rear cover.

 : The inside of the printer might be hot. To reduce the risk of injury by a hot component, allow the surface to cool before touching it.

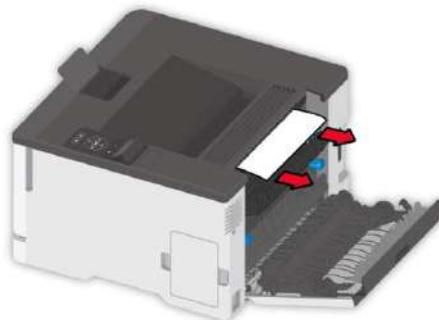
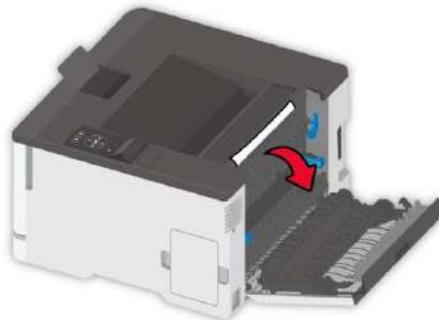


2. Remove the jammed paper.

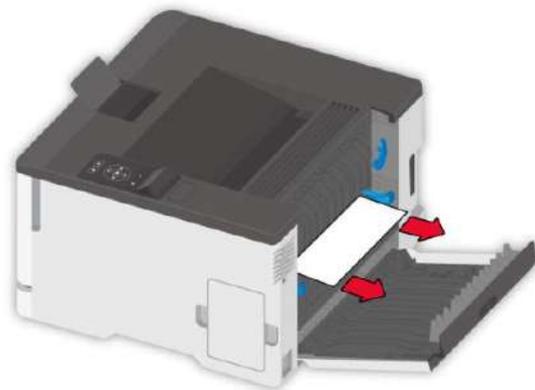
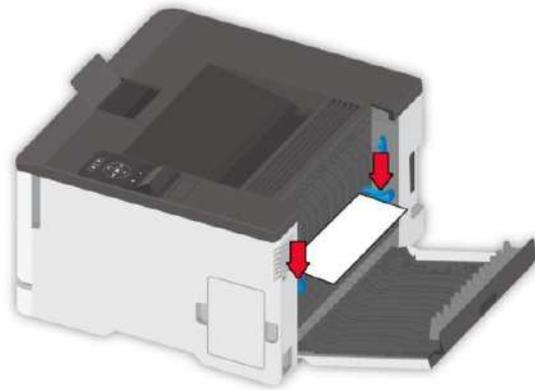


**Note:** • Make sure that all paper fragments are removed.

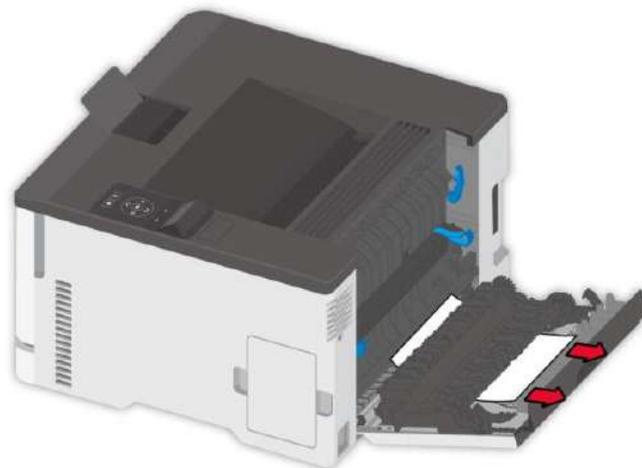
• Fuser area



- Below the fuser area



- Duplex unit



3. Close the cover.

## 11.4. Software Failure

Problem	Solution
The printer icon will not be displayed in the "Printers and Faxes" 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.

## 11.5. Error Message

Error Message	Cause	Measure
No Cartridge	The toner cartridge is not installed correctly or the toner cartridge is damaged.	Install the toner cartridge correctly or replace it with a new one.
Toner Low	Any toner cartridge is running low on toner.	Please prepare a corresponding new toner cartridge.
Cartridge Err	The printer does not support the toner cartridge.	Please replace the toner cartridge supported by the printer.
Toner life end	Toner has been used up.	Replace the toner cartridge.
Feed Failure	Paper is not installed correctly. Paper is beyond the specification.	Please install the paper correctly.
Paper jam in printer	Paper is not installed correctly.	Please install the paper correctly.
Waste toner bottle is nearly full	Waste toner bottle works under capacity.	Please prepare a new waste toner bottle.
Waste tone bottle life ended	Waste toner bottle is full.	Please replace the waste toner bottle.



**Note:** • If the problem still cannot be solved, please contact the customer services center.

## 11.6. Common Troubleshooting

### 11.6.1. Common Problems

Problem	Cause	Solution
<b>Problems with the Printer</b>		
Poor print quality	• See <a href="#">11.6.2</a> Image Defects.	• See <a href="#">11.6.2</a> Image Defects.
The printer does not work	<ul style="list-style-type: none"> <li>• The cable between the computer and the printer is not connected properly.</li> <li>• Error in specifying the print port.</li> <li>• The printer is offline and User Guide of Printer is checked.</li> <li>• The printer has not recovered from an internal error, such as a paper jam, paper empty, etc.</li> <li>• Driver program of printer is not installed correctly.</li> </ul>	<ul style="list-style-type: none"> <li>• Disconnect and then reconnect the printer cable.</li> <li>• 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.</li> <li>• Make sure that the printer is in the normal online status.</li> <li>• Please eliminate errors so that the printer can recover to its normal state.</li> <li>• Unload and reinstall the driver program of printer.</li> </ul>
<b>Problems with Paper Handling</b>		
Paper feed failure	<ul style="list-style-type: none"> <li>• The print media has been loaded incorrectly.</li> <li>• The print media is out of the supported media range.</li> <li>• The feed roller is dirty.</li> <li>• Too many papers in paper tray.</li> </ul>	<ul style="list-style-type: none"> <li>• Please install printing medium correctly; please print with manual feed tray if special printing medium is used to print.</li> <li>• Please use the print media within the specification range.</li> <li>• Clean the feed roller.</li> <li>• Take the excessive papers out from paper tray; please print with manual feed tray if special printing medium is used to print.</li> </ul>
Paper Jam	<ul style="list-style-type: none"> <li>• Too many papers in paper tray.</li> <li>• The print media is out of the supported media range.</li> <li>• There is foreign matter in the paper path.</li> <li>• The feed roller is dirty.</li> <li>• Internal parts failure.</li> </ul>	<ul style="list-style-type: none"> <li>• Take the excessive papers out from paper tray; please print with manual feed tray if special printing medium is used to print.</li> <li>• Make sure to use the paper that meets specifications. Please print with manual tray if special printing medium is used to print.</li> <li>• Clean the paper path.</li> <li>• Clean the feed roller.</li> </ul>
Print multipage feed	• Excessive static electricity on the print media.	• Separate the print media to eliminate some static electricity. It is suggested that you use

- The print media is damp and is sticking together.
- Internal parts failure.
- the recommended print media.
- Separate the print media or use better quality and dry print media.

 **Note:** • If the problem still cannot be solved, please contact the customer services center.

## 11.6.2. Image Defects

 **Note:** • Before the problem is solved, please print the “Print Quality Test Page”. For the way to print the quality test page, please refer to [Section 9.5](#).

Problem	Cause	Solution
 <p>Blank or white pages</p>	<ul style="list-style-type: none"> <li>• Toner cartridge is not installed properly.</li> </ul>	<ul style="list-style-type: none"> <li>• Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.</li> </ul>
 <p>Dark print</p>	<ul style="list-style-type: none"> <li>• A higher density is set when printing.</li> <li>• The print media does not meet the usage specification. For example, the print media is textured, damp, or too rough.</li> <li>• The paper used has been stored in the air for a prolonged time.</li> </ul>	<ul style="list-style-type: none"> <li>• Depending on your operating system, adjust the toner density from “Printing Preferences” or “Print” dialog according to your operating system; or adjust the print density on the printer control panel.</li> <li>• For proper use of media within the specification range, please refer to <a href="#">Section 2</a>.</li> <li>• Keep the paper in its original wrapper before use.</li> <li>• Perform the “Fully Calibrated” setting, please refer to <a href="#">Section 9.2.2</a> for the setting mode.</li> </ul>
 <p>Ghost images</p>	<ul style="list-style-type: none"> <li>• The tray fails to load the media properly.</li> <li>• Toner cartridge is not installed properly.</li> </ul>	<ul style="list-style-type: none"> <li>• Load correct paper. Please refer to <a href="#">Section 2.4</a> for the way to load paper correctly.</li> <li>• Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.</li> <li>• Perform the “Margin Calibrated” or “Fully Calibrated” setting, please refer to <a href="#">Section 9.2.2</a> for the setting mode.</li> </ul>



Gray or colored background

- Toner cartridge is not installed properly.

- Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.



Incorrect margins

- The tray fails to load the media properly.
- The print margin is set incorrectly.

- Load correct paper. Please refer to [Section 2.4](#) for the way to load paper correctly.
- Please set the correct print margin.
- Perform the “Margin Calibrated” or “Fully Calibrated” setting, please refer to [Section 9.2.2](#) for the setting mode.



Light print

- A lower density is set when printing.
- The print media does not meet the usage specification. For example, the print media is textured, damp, or too rough.
- The resolution in the print program is set too low, and the density is set too low.
- The paper used has been stored in the air for a prolonged time.
- Toner cartridge is not installed properly.
- Toner Save set is checked.

- For proper use of media within the specification range, please refer to [Section 2](#).
- Depending on your operating system, adjust the toner density from “Printing Preferences” or “Print” dialog according to your operating system; or adjust the print density on the printer control panel.
- Keep the paper in its original wrapper before use.
- Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.
- Please check whether the Toner Save mode is enabled.
- Perform the “Fully Calibrated” setting, please refer to [Section 9.2.2](#) for the setting mode.



Missing color

- Toner cartridge is not installed properly.
- The developing unit of the missing color is not installed properly.

- Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.
- Please remove the developing unit of the missing color and re-insert it.



- The toner cartridge is dirty or leaks toner.
- The print media does not meet the usage specification. For example, the print media is textured, damp, or too rough.
- The paper used has been stored in the air for a prolonged

- Please contact the customer service center.
- For proper use of media within the specification range, please refer to [Section 2](#).
- Keep the paper in its original wrapper before use.

Mottled print and dots

- time.
- Toner cartridge is not installed properly.
- The print mode is set incorrectly.

- Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.
- Please set another print mode.



Paper crooked

- The tray fails to load the media properly.
- The paper used has been stored in the air for a prolonged time.

- Load correct paper. Please refer to [Section 2.4](#) for the way to load paper correctly.
- Keep the paper in its original wrapper before use.



Print is crooked or skewed

- The tray fails to load the media properly.
- The print media does not meet the usage specification. For example, the print media is textured, damp, or too rough.
- The paper used has been stored in the air for a prolonged time.

- Load correct paper. Please refer to [Section 2.4](#) for the way to load paper correctly.
- For proper use of media within the specification range, please refer to [Section 2](#).
- Keep the paper in its original wrapper before use.



Single color or black images

- Toner cartridge is not installed properly.

- Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.
- It is recommended to replace with the original toner cartridge.



Text or image cut off

- The tray fails to load the media properly.
- Toner cartridge is not installed properly.
- There are foreign objects inside the printer.
- The parts inside the printer are damaged.

- Load correct paper. Please refer to [Section 2.4](#) for the way to load paper correctly.
- Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.
- Please contact the customer service center.
- It is recommended to replace with the original toner cartridge.



Toner comes off easily

- Print media that does not meet the specifications is used. For example, the media weight is not supported by the printer.
- The paper used has been stored in the air for a prolonged time.

- For proper use of media within the specification range, please refer to [Section 2](#).
- Keep the paper in its original wrapper before use.



Uneven print density

- Toner cartridge is not installed properly.

- Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.
- Perform the "Fully Calibrated" setting, please refer to [Section 9.2.2](#) for the setting mode.



Horizontal dark lines

- The paper used has been stored in the air for a prolonged time.
- Toner cartridge is not installed properly.

- Keep the paper in its original wrapper before use.
- Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.



Vertical dark lines

- The paper used has been stored in the air for a prolonged time.
- Toner cartridge is not installed properly.

- Keep the paper in its original wrapper before use.
- Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.



Horizontal white lines

- Toner cartridge is not installed properly.

- Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.



Vertical white lines

- The print media does not meet the usage specification. For example, the print media is textured, damp, or too rough.
- Toner cartridge is not installed properly.

- For proper use of media within the specification range, please refer to [Section 2](#).
- Pull out the toner cartridge tray, remove the toner cartridge, then insert the toner cartridge, and insert the toner cartridge tray.

- The toner cartridge is damaged.

The print quality test page does not meet any of the following measurements:



Repetitive defects

Cartridge:

- 25.70mm
- 35.30mm
- 75.6mm
- 26.7mm

Fuser:

- 56.5mm

Transfer module:

- 25.10mm
- 59.70mm
- 28.30mm
- 65mm
- 65mm

- It is recommended to replace with the original toner cartridge.
- Please record the data and contact the customer service center.



---

**Note:** • Failures above can be improved by cleaning or replacing toner cartridge. Please contact customer services center if the problem can still not be solved.

---

## 12. 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](http://www.pantum.com).

### 12.1. Overview of the Specifications

Product Size(W*D*H)	401*411*241mm
Product weight (excluding the toner cartridge and package supplied along with the machine)	13.8KG
Print Environment	Print temperature range:10-35°C
	Print humidity range:20%RH~80%RH
Power Voltage	110V Model: AC100-127V, 50Hz/60Hz, 7A
	220V Model: AC220-240V, 50Hz/60Hz, 3.5A
Noise (SPL)	Printing: ≤52dBA
	Standby:≤30dBA
	Mute mode: ≤47 dB (A)
Enter network standby time	1 minute
Power Consumption	Network standby: 1.0W
	Standby: ≤12W
	Shutdown: ≤0.15W
	TEC: conforming to requirements of EnergyStar and Chinese energy efficiency rating
Operating system	Microsoft Windows XP/ Windows 7/ Windows 8/ Windows 8.1/ Windows 10/ Windows Server 2012/ Windows Server 2016 (32/64 Bit)
	macOS 10.9/10.10/10.11/10.12/10.13/10.14/10.15
	Linux (Ubuntu 16.04/ Ubuntu 18.04)
	iOS 9.0-13.0
	Android 4.4-9.0
Communication interface	USB 2.0 (High Speed)
	IEEE802.3 10Base-T/100Base-Tx
	IEEE802.11b/g/n (support WPS)
Print Time of First Page	Mono: ≤10s
	Color: ≤11s
Maximum printable size	216mm*356mm

Company Name: Magnell Associate, Inc. ( DBA NEWEGG.COM )  
Office address:17560 Rowland St. City of Industry, CA 91748  
TEL: (626) 271-9700

**USA Only**

**PANTUM**