

**lenovo**

LJ2208W/LJ2208

激光多功能一体机  
Multifunction Laser Printer

用户手册  
User Manual

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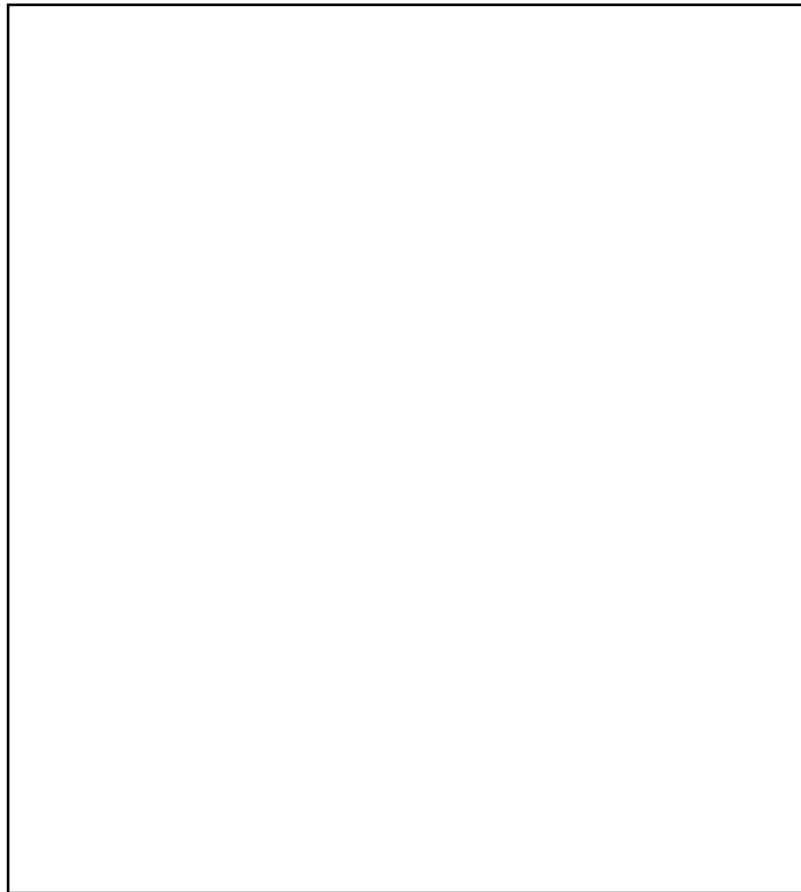
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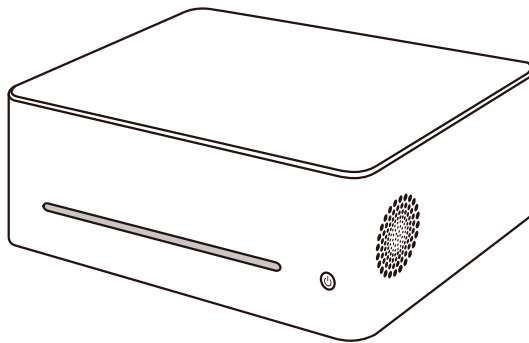
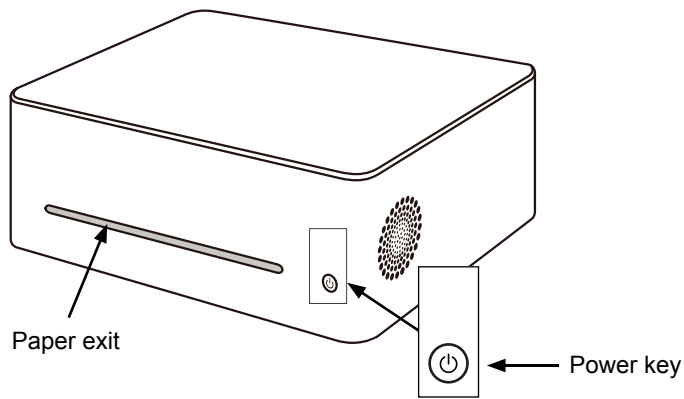
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# 1

# Guide to Components

This section introduces the names of the parts in front, at the back and inside the machine.

## Exterior



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### Notes

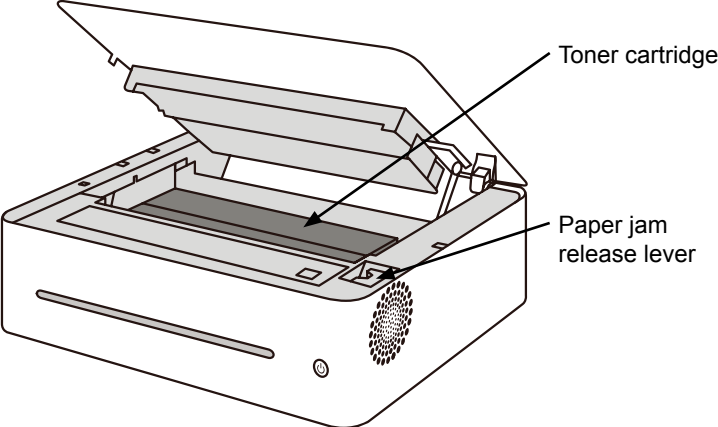
- Please refer to **Chapter 9: Keys and Indicators** for details of key functions and how indicators display the printer device status.
-



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# Interior



# 2

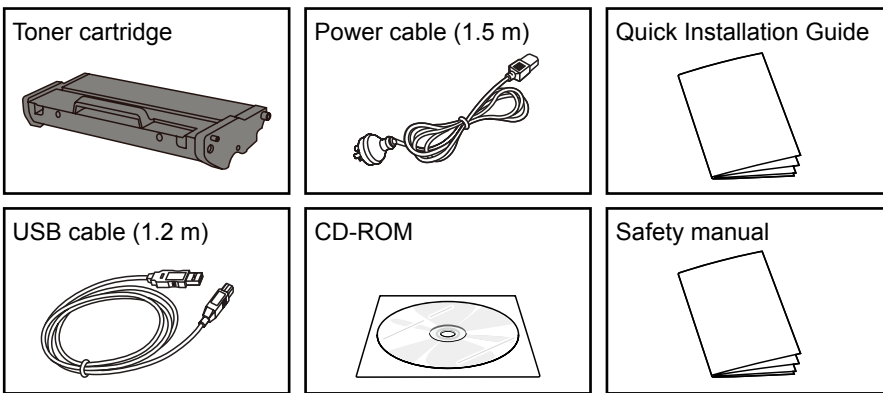
# Setting up the Printer

## 2.1 Unpacking

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1 Take the printer and all accessories out of the packaging.

Check you have all the accessories listed below.

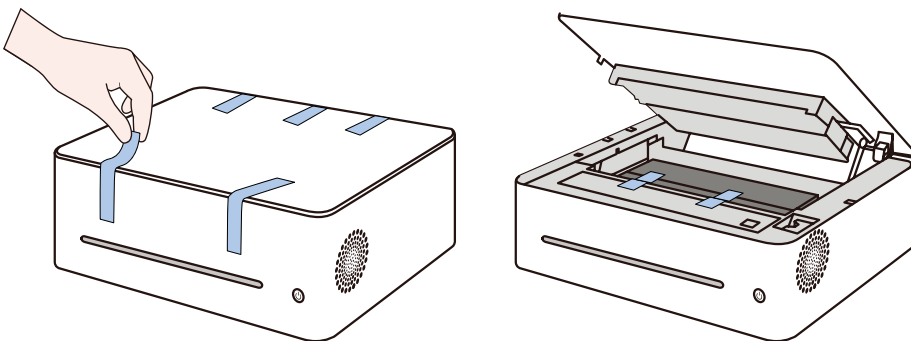


### Important

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- If you find any accessories or parts missing or defective, please notify your reseller immediately.
  - The toner cartridge has been installed in the printer.
  - Some parts may be not used in other countries.
  - Printer driver and user manual are in the CD-ROM.
- 

2 Carefully remove the packing tape from the outside and inside of the printer.

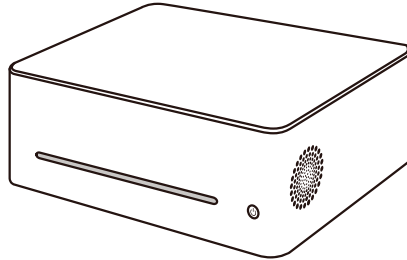


## 2.2 Opening the Paper Feed

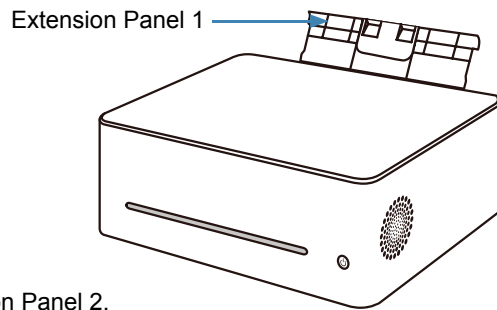
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- 1 Open the feed tray.

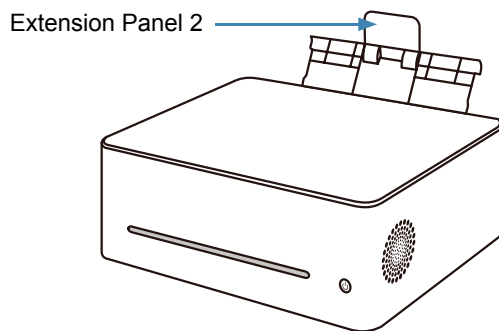
The raised section here can help you easily open the feed tray.



- 2 Pull out the Extension Panel 1.



- 3 Flip open the Extension Panel 2.



## 2.3 Loading Paper

---

This section explains how to load paper into the paper feed.

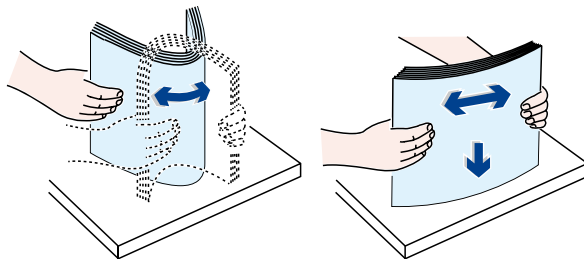
### Notes

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- Please refer to **Chapter 3: Print Media** for details of print media.
- 

- 1 Before loading the paper, bend the sheets back and forth and fan the stack.

Use a flat surface such as a desk to line up the edges of the sheets.

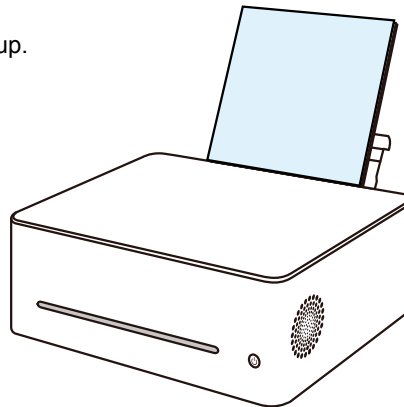


### Notes

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- Doing this helps to prevent paper jams.
- 

- 2 Load the paper with the front side facing up.



- 3 Do not load too much paper at a time.

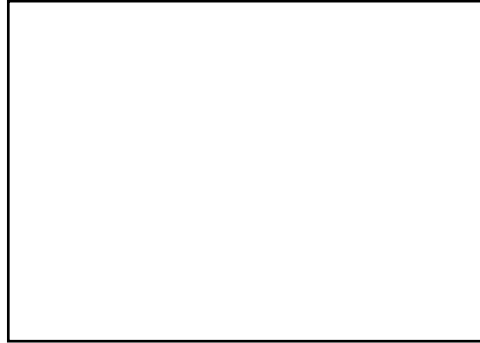
The feed tray can hold 50 sheets (A4 70g/m<sup>2</sup>) maximum.



---

---

4 Pinch the paper guide clip and slide it to fit the paper size.



---

---

**Important**

- Please make sure to set the paper size and type when loading paper. When printing, please specify the paper size and type in the printer driver so the settings can be used for printing the loaded paper.
- 
- 

---

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**Notes**

- Please refer to **Chapter 3: Print Media** for how to specify the paper size and type in the printer driver.
  - Curled paper may cause paper jams. Please flatten curled paper before loading it.
  - Do not push the paper guide too far. This may cause the paper to bend.
  - Failure to adjust the paper guide may cause a paper jam.
  - If you need to add paper to the paper feed while printing, remove any remaining paper in the paper feed first and then add new paper. Adding new sheets to the feed tray while there is paper remaining may cause paper jams or concurrent feeding of multiple sheets.
- 
-

## 2.4 Connecting the Printer to a Power Socket

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- 1 Plug the power cable into the power port at the back of the printer.



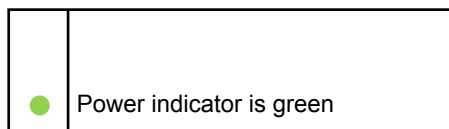
- 2 Plug the other end of the power cable into a properly grounded AC power supply socket.

## 2.5 Starting the Printer

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Hold the  power key for 0.5 seconds or longer to start the printer.

The indicator display shown below indicates that the printer is ready.



## 2.6 Installing Printer Drivers and VOP Software

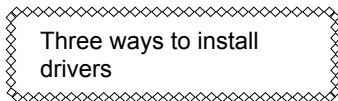
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### Different Models

Some functions may not be available on all models or in all countries/regions.

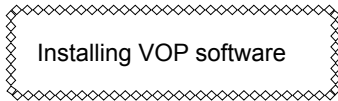
Drivers and VOP software are listed below.

Drivers and VOP software	LJ2208	LJ2208w
Printer Driver	✓	✓
VOP (Windows & Mac)	✓	✓
VOP (Android & iOS)	×	✓



Three ways to install drivers

Quickly Installation (USB)  
Wi-Fi Config and Installation  
Network Installation



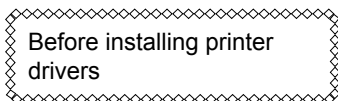
Installing VOP software

VOP software will be installed on your device by default when you choose Quick Install.

Notes

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- Please refer to VOP Software for details
- 



Before installing printer drivers

Please confirm the following items:

- ① Your computer has 1G or more of internal memory.
- ① Your computer has 200 MB or more free space available on the hard disk.
- ① Your computer has a Windows or Apple Mac operating system which supported by this printer.

Notes

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- Please refer to **Chapter 7: Drivers** for more information about compatible operating systems.
-

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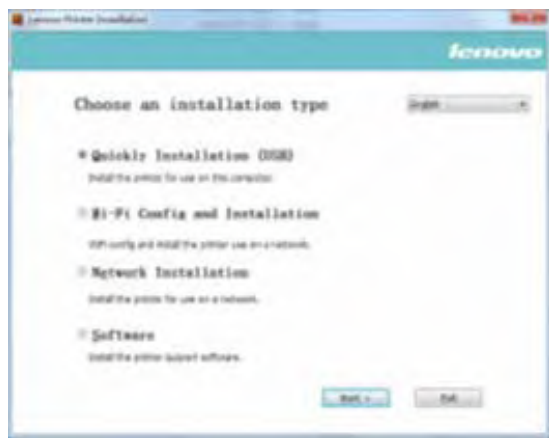
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## Quickly Installation

### Installing drivers on Windows

The exact steps will depend on which version of the operating system you use. This example uses Windows 7.

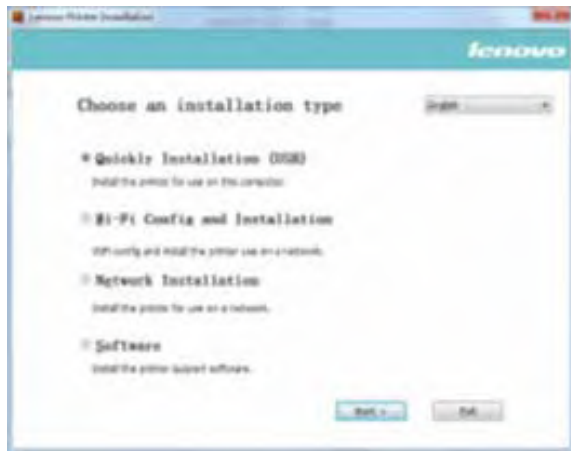
- 1 Start the printer and connect the computer and printer with the USB cable.
- 2 Insert the CD-ROM supplied with this product into the computer's CD-ROM drive.
- 3 When the installer window is displayed, select the required language.



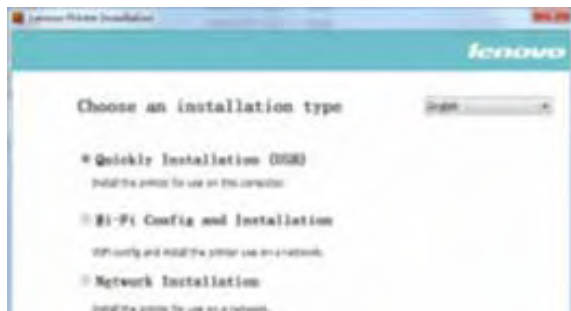


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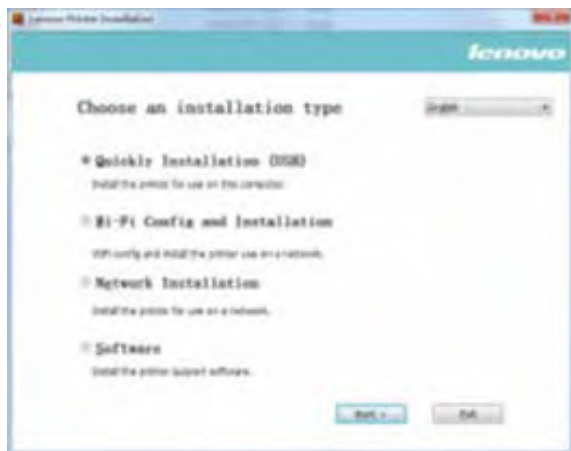
4 Click [Quick Install (USB)].



5 Click [Next].  
The program will start installing automatically.



6 When the installation is complete, click [Done].



The printer driver installation is complete. You can start to use your printer.

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## Installing drivers on Mac OS

- 1 Start the printer and connect the computer and printer with the USB cable.
- 2 Insert the CD-ROM supplied with this product into the computer's CD-ROM drive.
- 3 Double click the CD disk icon on the computer desktop.
- 4 Double click the [Install] icon. A window will pop up as shown in the screenshot below.



- 5 Click [Continue] in the introduction window.
- 6 When the License Agreement interface appears, please select the required language.

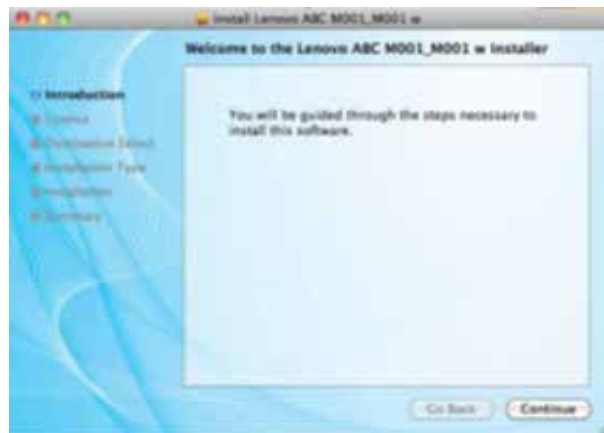


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7 Please carefully read the software License Agreement, and click [Continue].



8 If you accept the terms of the license agreement, please click [Accept] to continue installation.



9 Select options as instructed on the interface, and click [Continue].

10 Click [Install], and the system will perform a default install of the software.



---

11 For MAC OS X 10.5 and 10.6, enter the administrator name and password and click [OK].

For MAC OS X 10.7, 10.8 and 10.9, please enter the administrator name and password and click [Install Software].

12 Click [Continue].



13 Click [Restart] to complete the installation.

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## Wi-Fi Config and Installation

When the printer is used for the first time, it needs to be configured for Wi-Fi. After the printer is configured, you can operate the printer via Wi-Fi.

### Important

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- Some functions may not be available on all models or in all countries/regions.  
Please refer to the models and specific configurations listed: Different Models.
  - Please refer to **Chapter 8: Print over Wi-Fi** for Wi-Fi configuration and Wi-Fi printer driver installation.
- 
- 

## Installing Wi-Fi Printer Drivers

Please install the Wi-Fi printer driver if you have not used a Wi-Fi enabled printer before.

### Important

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---

- Some functions may not be available on all models or in all countries/regions.  
Please refer to the models and specific configurations listed: Different Models.
  - Please refer to **Chapter 8: Print over Wi-Fi** for Wi-Fi configuration and Wi-Fi printer driver installation.
- 
-

---

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## Upgrading Printer Drivers

You can upgrade the installed printer driver by following the steps below.

- 1 In the [Start] menu, click [Devices and Printers].
  - ◆ Windows XP, Windows Server 2003/2003 R2:  
In the [Start] menu, select [Printers and Faxes].
  - ◆ Windows Vista, Windows Server 2008:  
In the [Start] menu, select [Control Panel] and click [Hardware and Sound]-[Printer].
  - ◆ Windows 8/8.1, Windows Server 2012/2012 R2:  
Click [Settings] on the charm bar, and then click [Control Panel].  
When the window pops up, click [View devices and printers].
- 2 Right click the icon of the printer you want to modify, and click [Printer Properties].
  - ◆ Windows XP/Vista, Windows Server 2003/2008:  
Right click the icon, and click [Properties].
- 3 Click the [Advanced] tab.
- 4 Click [New Driver...], and click [Next].
- 5 Click [Have Disk...].
- 6 Click [Browse...], and select the location of the printer driver.
- 7 Click [OK] and specify the printer model.
- 8 Click [Next].
- 9 Click [Finish].
- 10 Click [OK] to close Printer Properties window.
- 11 Restart the computer.

---

---

## Uninstalling Printer Drivers

You can use the uninstall program also can uninstall the printer driver by following the steps below.

- 1 In the [Start] menu, click [Devices and Printers].
  - ◆ Windows XP, Windows Server 2003/2003 R2:  
In the [Start] menu, select [Printers and Faxes].
  - ◆ Windows Vista, Windows Server 2008:  
In the [Start] menu, select [Control Panel] and click [Hardware and Sound]-[Printer].
  - ◆ Windows 8/8.1, Windows Server 2012/2012 R2:  
Click [Settings] on the charm bar, and then click [Control Panel].  
When the window pops up, click [View devices and printers].
- 2 Right click the icon of the printer you want to delete, and click [Remove Device].
  - ◆ Windows XP/Vista, Windows Server 2003/2003 R2/2008:  
Right click the icon you want to delete and click [Delete].
- 3 Click [Yes].
- 4 Click any printer icon, and click [Print Server Properties].
- 5 Click the [Driver] tab.
- 6 If [Change Driver Settings] is displayed, please click it.
- 7 Click [Remove...].
- 8 Select [Remove Driver And Driver Package] and click [OK].
- 9 Click [Yes].
- 10 Click [Delete].
- 11 Click [OK].
- 12 Click [Close] to close the Print Server Properties window.

## 2.7 Printing a Test Page

---

At the end of driver installation, there will be a print test page option, and you can also print the test page by the following.

This example uses Windows 7.

Click [Start], then [Devices and Printers]. Right click your printer and select [Printer Properties] to display the properties dialog box (shown on the right).




Click [Print Test Page].

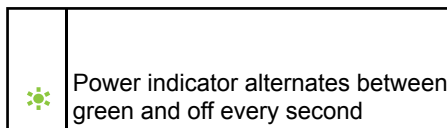
If the test page is successfully printed, the Lenovo LJ2208/LJ2208w has been configured correctly.

## 2.8 Printing a Configuration Page

---

The configuration page shows your printer settings.

When the printer is in the state of standby, quickly press the  power key three times in under a second and observe the indicator light.



This indicates that print tasks have been set up successfully.



# 3

# Print Media

## 3.1 Supported Paper

---

### Paper Sizes

A4	
Letter	"8½" × 11"
B5	
A5 LEF	
B6 LEF	
A6	
Executive	7¼" × 10½"
16K	(195 × 267 mm)
Custom Paper Size	

Custom Paper Size supports the following sizes:

- Width Approx. 76.2-216mm (3-8.5 inches)
- Length Approx. 116-356mm (4.5-14 inches)

### Paper Types

Plain Paper	(70-90 g/m <sup>2</sup> )
Recycled Paper	(70-90 g/m <sup>2</sup> )
Thick Paper	(90-105 g/m <sup>2</sup> )
Thin Paper	(60-70 g/m <sup>2</sup> )
Label	

### Paper Capacity

Paper tray

50 sheets (70 g/m<sup>2</sup>)

## 3.2 Non-Recommended Paper Types

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---

Do not use the following types of paper:

- ◆ Special paper for ink-jet printers
- ◆ Special paper for viscous inks
- ◆ Curled, folded or creased paper
- ◆ Twisted paper
- ◆ Corrugated paper
- ◆ Wet paper
- ◆ Dirty or torn paper
- ◆ Excessively dry paper that may produce static
- ◆ Printed paper except that with header/footer designs
- ◆ Paper printed by non-laser printers (e.g. monochrome or color copiers, ink-jet printers, etc) in particular may cause failures
- ◆ Special paper such as thermal paper and carbon paper
- ◆ Paper weighing heavier or lighter than the limit
- ◆ Paper with windows, holes, perforations, cutouts, or embossing
- ◆ Adhesive label paper on which glue or base paper is exposed
- ◆ Paper with clips or staples
- ◆ Envelopes

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### Notes

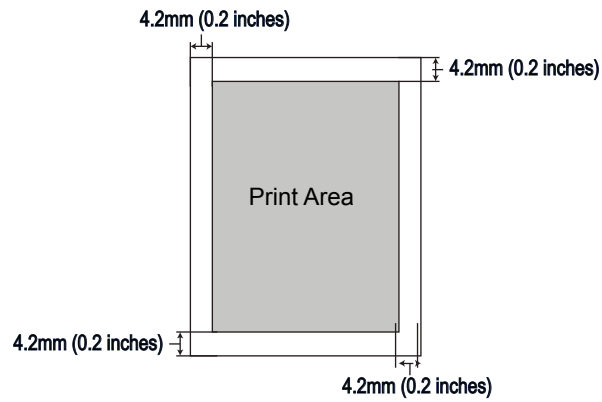
- Poorly stored paper can cause paper misfeeds, print quality degradation, or malfunctions.
  - Use of any of the paper types listed above may damage the product. Such damage is not covered by the warranty from Lenovo (Beijing) Limited.
- 
-

## 3.3 Print Area

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The picture below shows the area of the paper that the machine can print on.



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### Notes

- The print area may vary depending on the paper size and printer driver settings.
- 
-

# 4

# Printing

## 4.1 Print Jobs

---

---

This printer offers two options for handling printing:

- ◆ Printing with a Printer Driver
- ◆ Printing with VOP

### Printing with a Printer Driver

This option allows you to print files on the computer using printer drivers.

The example below is for Adobe Reader XI on Windows 7.

The steps needed to print may be different for other software or environments.

Please see the software you are using to print for the actual steps you need to follow.

- 1 Please confirm the printer is connected.
- 2 Open the file you want to print.
- 3 Select Print in the File menu.

The print dialog box is displayed. (Dialog box may be different for other software.)

Select basic print settings in the print dialog box.

The settings include number of **copies**, **paper size** and **orientation**.

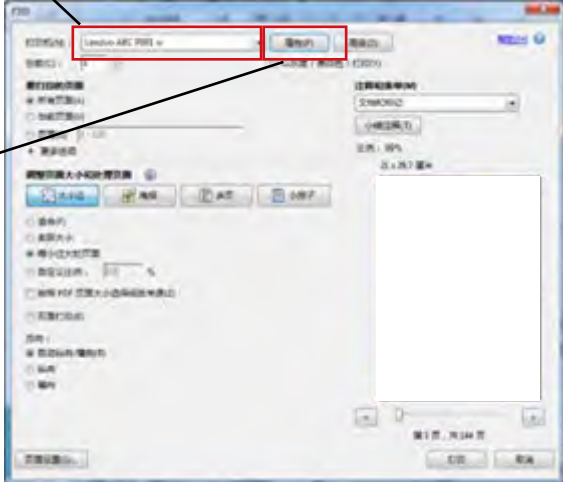
If no other print requirements are needed, click [Print] to start printing.

---

---

Please make sure your printer is selected.

Click [Properties] if displayed. Click [Settings], [Printer] or [Options] if displayed, then [Properties].



---

**Notes**

- Click the [Properties] button in the print dialog box to display another dialog box with more printer settings.
  - Any changes made will apply only to the software currently in use.  
If you want your printer to always use the settings, please follow the steps below:
    1. Click the Windows [Start] button.
    2. Select [Devices and Printers] to open the window.
    3. Select your printer, right click, and select [Printing Preferences].
    4. Configure the printer settings here and click [OK]. These settings will be effective for all printing on this computer.
  - Please refer to **Chapter 7: Drivers** for details about the printer settings.
  - Please refer to **Chapter 9: Keys and Indicators** for details of key functions and how indicators display the printer device status.
- 

## Printing with VOP

Please refer to VOP Print Functionality

## 4.2 Canceling Print Jobs

---

The steps for canceling a print job are different for jobs that are not yet printing or currently printing.

### Canceling a Print Job before Printing has started

- 1 Double click the printer icon on the taskbar at the bottom right of the computer desktop. The print queue is displayed.



- 2 Click [Print Task]. Then right click it and click [Cancel].




- 3 Click [Yes] to cancel the task.

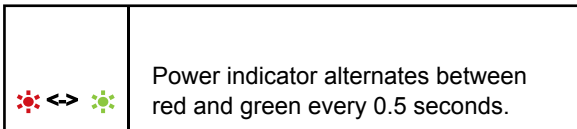
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## Canceling a Print Job during Printing

Press and hold the  power key for one second or longer.

The LED indicator display shown below indicates the current task is being canceled.



### Important

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- If you cancel a print job that has already been processed, printing may continue for a few pages before being canceled.
  - It may take a while to cancel large print jobs.
-

# 7

# Drivers

This chapter describes the settings for printer drivers.

## 7.1 Supported System Environment

---

WindowsXP	Home/Professional/Professional x64 (SP2 or later)
Windows Vista	Home Basic/Home Premium/Business/Enterprise/Ultimate
Windows 7	Home Basic/Home Premium/Professional/Enterprise/Ultimate
Windows Server 2003	Standard/Standard x64/Enterprise/Enterprise x64 (SP1 or later)
Windows Server 2003 R2	Standard/Standard x64/Enterprise/Enterprise x64
Windows Server 2008	Standard/Standard without Hyper-V/Enterprise/Enterprise x64 without Hyper-V
Windows Server 2008 R2	Standard/Enterprise
Windows 8	Windows 8
Windows 8.1	Windows 8.1
Windows Server 2012	Windows Server 2012
Windows Server 2012 R2	Windows Server 2012 R2
Mac OS X 10.5-10.9	Mac OS X 10.5-10.9

## 7.2 Drivers Used in Windows

---

The example below illustrates printing with Windows 7.

The actual operation may differ depending on the software used.

To print documents from the computer using the printer drivers, do the following:

- 1 Open the file you want to print.
- 2 Select Print in the File menu.

The print dialog box will be displayed. (The dialog box may differ between software.)

Select Basic Print Settings in the Print dialog box.

The settings include number of **copies**, **paper size** and **orientation**.



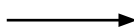
---

---

3 Click [Properties]. Edit the print settings in the Properties dialog box.

## Basic Tab

(1) Displays the current settings



Select the options below to change the corresponding settings as required.

- ◆ Paper Size
- ◆ Paper Orientation
- ◆ Copies
- ◆ Paper Type
- ◆ Print Quality
- ◆ Print Settings
- ◆ Multiple Pages
- ◆ Duplex
- ◆ Toner Save Mode

Check the selected settings displayed in Window (1).

Click to confirm.

To restore default settings, please click Defaults followed by Confirm.

---

---

## Paper Size

Select the required paper size from the drop-down list.

Supported paper sizes: Letter/A4/A5/A6/B5/B6/Executive/16K/A5(LEF)/B6(LEF)/Custom Paper Size

Custom Paper Size supports the following range of paper sizes:

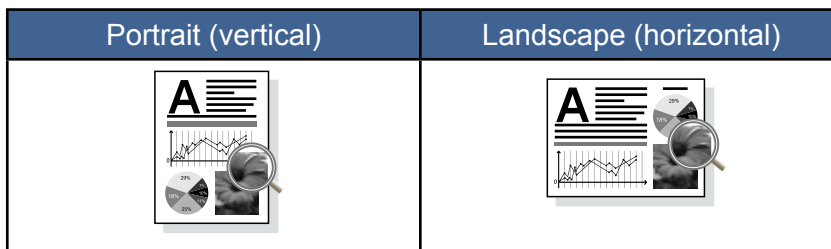
- Width      Approx. 76.2-216mm (3-8.5 inches)
- Length     Approx. 116-355.6mm (4.57-14 inches)

### Notes

- Refer to Supported Paper Sizes and Types in **Chapter 3 Print Media** for details on paper size.
  - The selected paper size should be the actual size of the document to be printed.
- 
- 

## Paper Orientation

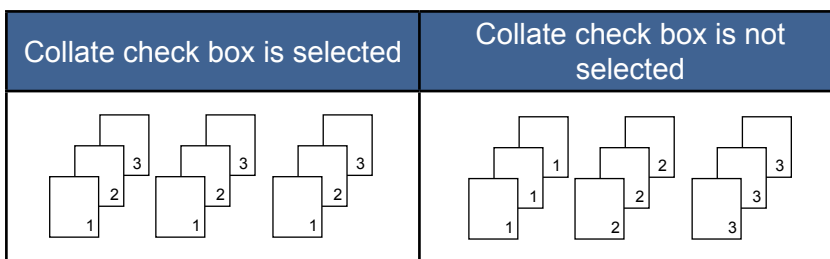
You can select the orientation of your document (Portrait or Landscape).



## Copies

You can define the number of copies to be printed.

- Collate  
If the Collate check box is checked, one complete copy of your document will be printed and then repeated for the number of copies you selected.  
If the Collate check box is not checked, then each page will be printed for the number of copies selected before the next document is printed.



---

---

## Paper Type

This machine supports the following types of printing media. For optimal print quality, select the correct printing media.

- ◆ Plain Paper
- ◆ Recycled Paper
- ◆ Thick Paper
- ◆ Thin Paper
- ◆ Label

## Print Quality

You can select one of the following print quality options:

- ◆ Normal (600\*600dpi)
- ◆ Fine (1200\*600dpi)

## Print Settings

You can select one of the following print modes:

- ◆ Graphics  
The optimal print mode for graphic documents.
- ◆ Text  
The optimal print mode for text documents.
- ◆ Manual  
You can select Manual and click [Manual Settings] button to change the settings for Brightness and Contrast.



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---

## Multiple Pages

The Multiple Page selection can reduce the image size of a page, allowing multiple pages to be printed on one sheet of paper.

You can also enlarge the image size for printing one page on multiple sheets of paper.

- ◆ Page Order  
When the N in 1 option is selected, you can select the desired page order from the drop-down menu.

---

### Important

- When the N in 1 option is selected, the Scaling option in the Advanced tab will not be available.
- When the 1 in NxN Pages option is selected, the duplex will not be available. A warning message will pop up.

- 
- ◆ Border Line  
When printing multiple pages on the same sheet, you can choose to add solid borders or to print without borders.
  - ◆ Print Crop Marks  
When the 1 in NxN Pages option is selected, you can select the Print Crop Marks option to add fine crop marks to the print area.

## Duplex

Select Duplex Printing to print on both sides of the paper.

### Steps:

- 1 Select Long Edge or Short Edge.
- 2 Enabling Duplex displays a dialog box with the instructions for installing paper.

The dialog box is shown below:



---

---

3 After the first side is printed, according to the dialog box with the instructions, you will need to manually reload the paper to print the second side.

4 After reloading the paper, press the  Power key once, which should be flashing red.

5 The printer will continue to print the second side.

---

---

### Important

- The label does not support duplex printing.
- 
- 

### Print Order

If the Reverse Print check box in the Advanced tab is checked,

even pages will be printed in reverse order (...8,6,4,2), followed by odd pages in reverse order (...7,5,3,1).

If the Reverse Print checkbox in the Advanced tab is unchecked,

even pages will be printed in reverse order (...2,4,6,8), followed by odd pages in reverse order (...1,3,5,7).

---

---

### Notes

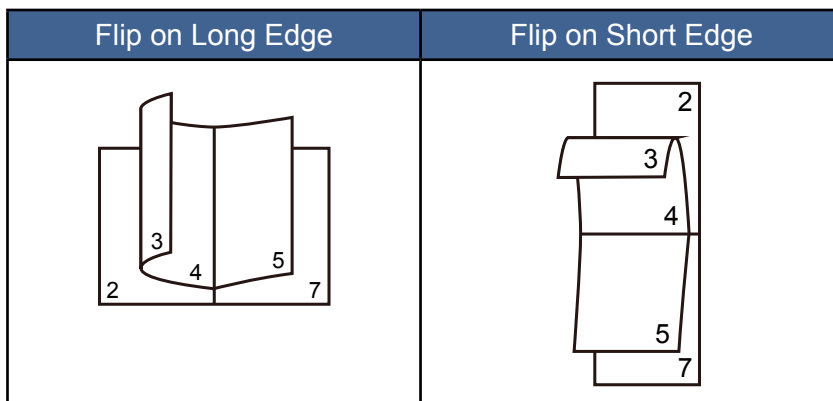
If the total number of pages is odd, the last page of the printed document will be a blank page.

---

---

- ◆ None
- ◆ Flip on Long Edge
- ◆ Flip on Short Edge

### Two Ways of Binding





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## Scaling

You can change the scaling of printed images.

- ◆ Off
- ◆ Fit to Paper Size
- ◆ Custom Resize [25%-400%]

### Important

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- When Fit to Paper Size or Custom Resize is selected, Multiple Pages or Booklet Printing options are unavailable.
  - A warning message will pop up.
- 

## Booklet

Select this option to print a booklet with the duplex printing feature. The printer will automatically arrange the pages in the required order. You only have to fold the printed pages.

The following options are available on the Booklet dialog box.

- ◆ Booklet Creation Settings

- Left Binding

- Right Binding

- ◆ Booklet Printing Method

- All Pages at Once

- Divide into Sets

- Select the Divide into Sets option to print a booklet as a set of smaller booklets.

- The pages will be automatically ordered. You only have to fold the printed pages.

- You can set the number of pages in each booklet set to between 1 to 15. This option is very useful when printing booklets with many pages.

- ◆ Binding Offset

- When Binding Offset is selected, you can assign a binding offset value in mm or inch.

### Important

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- When Booklet print is selected, a warning dialog box will pop up, and the Flip on Long Edge feature will be activated.
  - When Booklet print is selected, the Page Number function in Multiple Page and the Header-Footer Print mode will not be available.
-

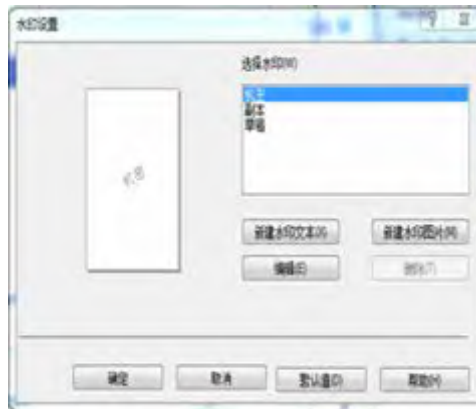
---

---

## Use Watermark

You can add a logo or text into your documents as a watermark. You can choose to use a preset watermark or a text/image file you created. Check the Watermark check box, and click [Settings].

Watermark Settings



- ◆ Select Watermark

Select the required watermark.

Click New Text or New Bitmap to create a new watermark.

- ◆ New Text

Watermark text can contain up to 29 characters.

**Name**





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Enter a proper title in the text box.

### **Text**

Enter the watermark text in the text box, and select the **Font**, **Style**, and **Size** of the watermark, and select the required **Transparent** option.

### **Transparent**

Check this check box to make the watermark transparent, such that the text or images below the watermark remain visible.

Leave this check box unchecked to make the watermark completely opaque, such that the text and images underneath it are completely covered.

### **Angle**

Define the angle at which the Watermark will be inclined.

### **Position**

Define the position of the watermark on the page.

### ◆ New Bitmap



### **Name**

Enter a proper title in the text box.

### **Bitmap**

Select the name of the required image file.

### **Scaling**

Change the size of the selected image.

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---

### **Position**

Define the position of the watermark on the page.

### **Transparent**

Check this check box to make the watermark transparent, such that the text or images below the watermark remain visible.

Leave this check box unchecked to make the watermark completely opaque, such that the text and images underneath it are completely covered.

Click [Confirm] after creating a new text or bitmap, and the new watermark will be created.

---

---

### **Important**

- When watermarks are used, the "1 in NxN Pages" option in Multiple-Page will not be available.

---

---

#### ◆ Edit

Select the watermark to be edited from the watermark list, and click [Edit] to call out either the "Edit Watermark" or "Edit Watermark (Bitmap)" dialog box.

#### ◆ Delete

Select the watermark to be deleted from the watermark list, and click [Delete]. Follow the instructions on the pop up dialog box to delete the watermark.

---

---

### **Notes**

- Standard watermarks cannot be edited or deleted.
- 
- 

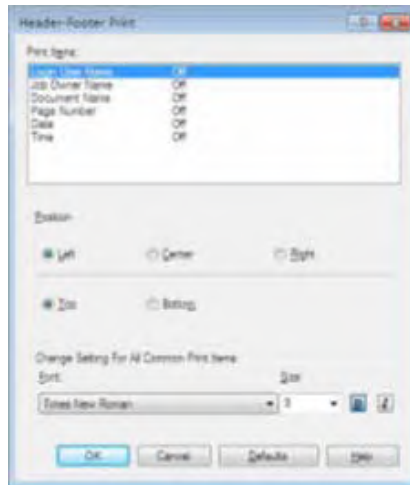
## **Header-Footer Print**

Use this feature to add a header and footer to the document.

Check the Header-Footer Print check box, and click [Settings] to configure the settings.

The settings include:

- ◆ Login User Name
- ◆ Job Owner Name
- ◆ Document Name
- ◆ Page Number
- ◆ Date
- ◆ Time



## Position

Use the Position settings to define the position of the header/footer on the page.

Three options are available in the horizontal direction: Left/Center/Right.

Two options are available in the vertical direction: Top/Bottom.

## Font

You can set the text style.

## Size

You can set the text size.

"B" button: bold.

"I" button: italic.

---

---

## Density Adjustment

Use this option to increase or decrease print density.

To adjust print density, check the Density Adjustment check box, and click [Settings].



## Other print options

### ◆ Skip Blank Page

If Skip Blank Page is checked, the printer driver automatically detects blank pages and excludes them from printing.

### Important

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---

This option does not work when the following options are selected:

- Use Watermark
- Header-Footer Print
- Multiple Pages
- Duplex
- Booklet

---

---

### ◆ Print Text in Black

If this option is checked, all texts will be printed in black.

### Important

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- Some characters may not show up properly under this option.

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### ◆ Reverse Print

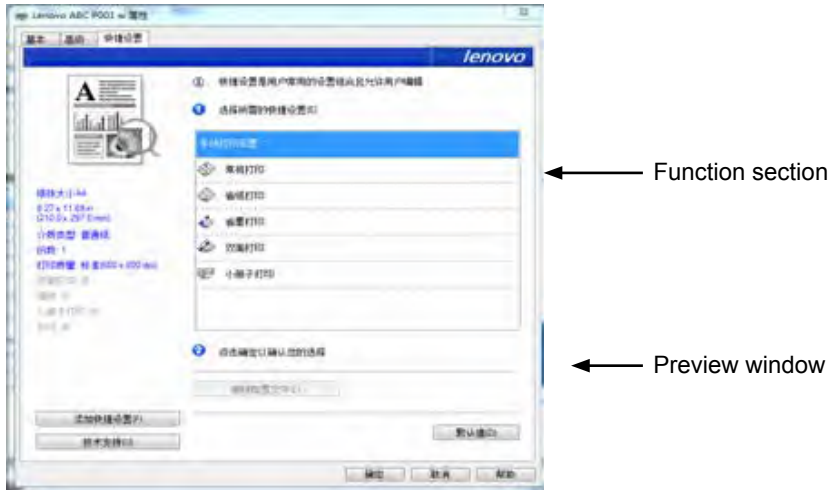
If this option is selected, all pages will be printed in the reverse order.

---

---

## Print Profile Tab

Profiles are editable presets designed to give you quick access to frequently used printing configurations.



- Profile Box (1)
- Delete Profile (2)
- Add Profile (3)
- Current Profile View (4)

1 Select the required profile from the Profile Box.

2 Click [OK] to apply the selected profile.

### Add Profile

Click [Add Profile] to open the dialog box.

1 Enter the name of the profile.

2 Select the icon you want to use from the icon list, and click [OK].

3 The selected settings is displayed on the left of the printer driver window.

### Delete Profile

Use this option to delete a profile.

1 Select the profile to be deleted from the [Select the desired Print Profile] tab.

- 
- 2 Click to delete the profile.
  - 3 Click [OK].
  - 4 The selected profile will be deleted.

## Support



Lenovo Support Website

The Lenovo website (<http://www.lenovo.com/> and <http://www.lenovo.com.cn>)

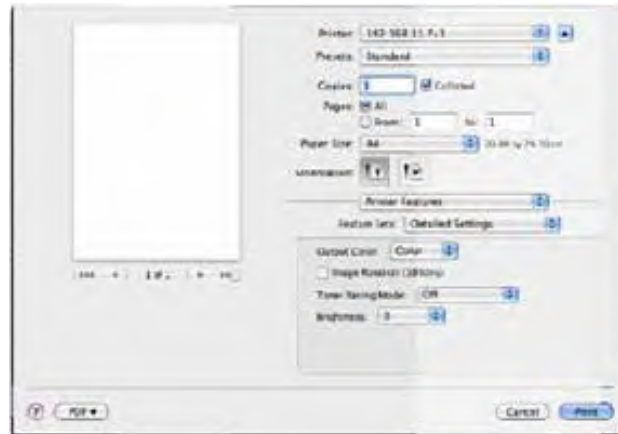
provides information on Lenovo products, including FAQs, driver updates and tips on using Lenovo products.

Visit the Lenovo website for more information and technical support.

## 7.3 Drivers Used in Mac

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### Basic



- ◆ Select the options below to change the corresponding settings as required.
  - Paper Size
  - Orientation
  - Copies
  - Media Type
  - Image Quality
  - Print Settings
  - Toner Save Mode
- ◆ Check the selected settings displayed in the preview window.

### Paper Size

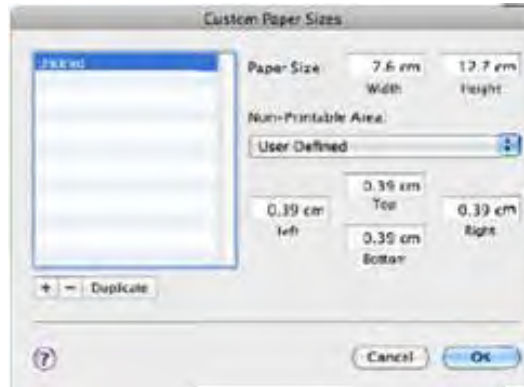
Select the required paper size from the drop-down list.

Supported paper sizes: US Letter/A4/A5/A6/JIS B5/JIS B6/Executive/16K/A5 (LEF)/B6(LEF)/Custom Paper Size

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---

## Manage Custom Sizes(System Build-in Function)



### Create a Custom Paper Size

- 1 Open the file to be printed;
- 2 Follow the steps below:
  - Go to File>>Page Settings. In the Settings menu, select Page Properties, Then select Format followed by Any Printer. This will allow you to print documents on any printer that supports the paper size you have defined.
  - If the Page Settings is not available, select File>>Print. If the Print dialog box contains only two pop-up menus and some buttons at the bottom, click the triangle beside the pop-up menu.
- 3 Select Custom Paper Size from the Paper Size pop-up menu.
- 4 Click the "+" button.
- 5 Double click the Paper Size Name and enter a new name.

Enter the required dimensions under Paper Size and Non-Printable Area and click "OK".

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### Notes

- System Build-in Function: Built-in functions vary with the version of OS X installed.
- 
-



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## Orientation

You can select the orientation of your document (Portrait or Landscape).

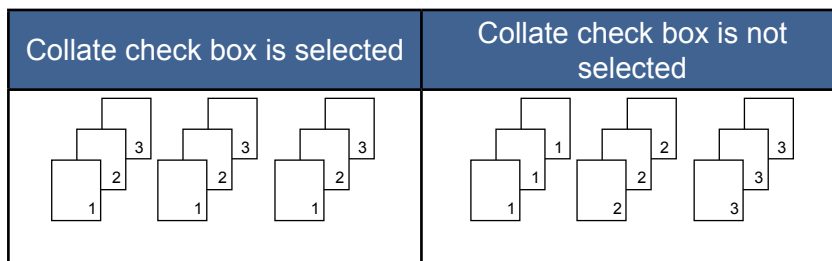


## Copies

You can define the number of copies to be printed.

### ◆ Collate

If the Collate check box is checked, one complete copy of your document will be printed and then repeated for the number of copies you selected. If the Collate check box is not checked, then each page will be printed for the number of copies selected before the next document is printed.



## Media Type

This machine supports the following types of printing media. For optimal print quality, select the correct printing media.

- ◆ Plain Paper
- ◆ Recycled Paper
- ◆ Thick Paper
- ◆ Thin Paper
- ◆ Tagboard

## Print Settings

Adjust Brightness: Brightness refers to the brightness or darkness of the image. At high brightness levels, the color will be almost white.

---

---

## Multiple Page (Built-in Function)



With this function, you can print multiple pages on the same sheet.

Five options are offered: "1", "2", "4", "6", "9" and "16".

- ◆ Layout Direction (Built-in Function)

When the N in 1 option is selected, you can select the layout direction and position of the pages on the same sheet.

- ◆ Border

When printing multiple pages on the same sheet, you can choose to add borders.

## Duplex

Select Duplex Printing to print on both sides of the paper.

- ◆ Duplex printing

Steps:

1 Select to print using the Manual Duplex option.

2 A dialog box with the instructions for installing paper with pop-up.


The dialog box is shown below:



---

---

3 After the first side is printed, according to the dialog box with the instructions, you will need to manually reload the paper to print the second side.

4 After reloading the paper, press the  Power key once, which should be flashing red.

5 The printer will continue to print the second side.

---

---

**Notes**

- The tagboard does not support duplex printing.

---

---

**Color Balance**

You can adjust the blackness of the printing by adjusting the toner density.

**Toner Save Mode**

In the Toner Save Mode, toner consumption is reduced and the printed document will be fainter.

**Image Rotation (180deg)**

You can rotate the image 180 degrees before printing.

**Brightness**

You can adjust the brightness of the image from -100 to 100.

**Skip Blank Pages**

If Skip Blank Page is checked, the printer driver automatically detects blank pages and excludes them from printing.

---

---

**Important**

This option does not work when the following options are selected:

- Multiple Pages
  - Duplex
- 
-

# 8

# Print over Wi-Fi

## 8.1 Wi-Fi Config and Installation

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Before installation: Verify that your printer supports Wi-Fi connection. Not all models support Wi-Fi connections.

### Notes

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- Refer to Page 17: Different Printer Models for the program and software configurations for different printer models.
- 

Installation steps:

- 1 Power on the printer, connect the computer to the Wi-Fi which will be connected to the printer.
- 2 Press and hold  power key for 1 second to enable Wi-Fi connection.
- 3 Insert the CD-ROM provided with this product into your computer's CD-ROM drive.
- 4 Connect the Printer to the PC using a USB cable.
- 5 Select [Wi-Fi Config and Driver Installation], and click [Next].



---

6 A dialog box will pop up prompting if you would like to configure Wi-Fi. Select [Yes] and click [Next].



7 A dialog box will appear informing you that the system is searching for available networks. Please wait.



8 The list of available networks will appear. Select the desired network and click [Next].



9 Enter the passwork and click [Next].



10 Wait for the network connection to be completed.



11 The Printer Settings window will appear. Select your printer and click [Next].



---

12 Wait while the program is installed.



13 Setup is now complete. Select whether to restart your computer now and click "Complete".



Wi-Fi configuration and installation is now complete. You can now print over Wi-Fi.

## 8.2 Network Installation

Verify that your printer has been Wi-Fi configured. Then Select Network Installation.

- 1 Verify that the printer is powered on and Wi-Fi is enabled.
- 2 Insert the CD-ROM provided with this product into your computer's CD-ROM drive.
- 3 Select [Network Installation] and click "Next".



4 A window will appear prompting you to select your printer. Click Refresh.

- Lenovo LJ2208w will appear on the list. Click "Next" and proceed to Step 6.
- If the printer does not appear in the list, proceed to Step 5.

5 Click [Add Printer] and a window will pop up as shown below. Enter the "Port Name" and "Enter IP Address". Proceed as instructed on the screen. Click "Next".





6 Select your printer from the [Select printer] list, and click "Next".



7 The [Printer Settings] window will appear. Enter the name and share name of your printer. Click "Next".



8 The [Software and Documentation] window will pop up. Select the software and file to be installed, and click "Next".



---

9 Wait while the selected items are being installed.



10 Setup is now complete. Select whether to restart your computer now and click "Complete".



Network installation is complete. You can now print over Wi-Fi.

## 8.3 Print over Wi-Fi

---

Verify that the network driver has been installed.

### Print

To print documents from the computer using the printer drivers, do the following:

The example below illustrates printing from Adobe Reader XI on Windows 7.

The actual operation may differ depending on the software used.

Refer to the instructions from your printing software for the actual procedure.

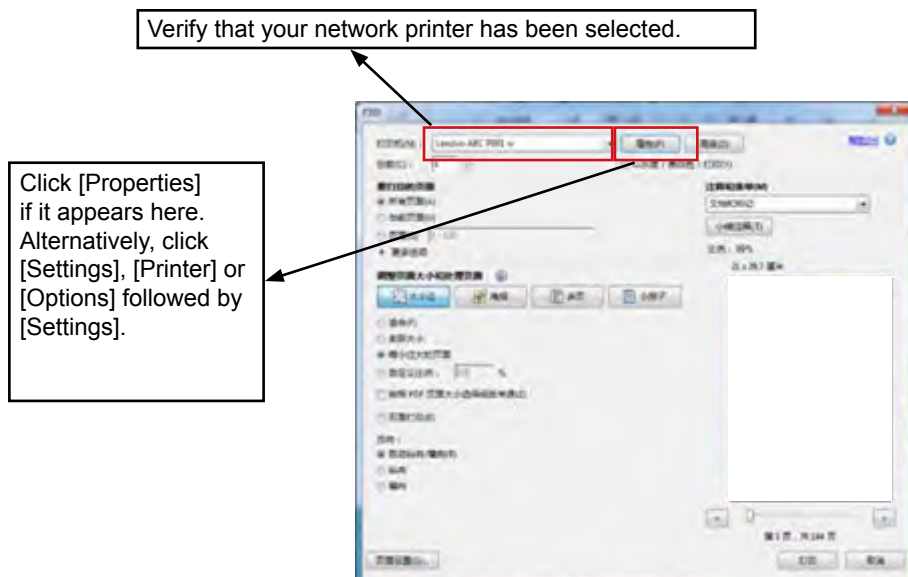
- 1 Verify that your printer is Wi-Fi enabled, your PC and printer are connected in the same network.
- 2 Open the file you want to print.
- 3 Select Print in the File menu.

The print dialog box will be displayed. (The dialog box may differ between software.)

Select Basic Print Settings in the Print dialog box.

The settings include number of copies, paper size and orientation.

If no other changes are necessary, click [Print] to start printing.



### Notes

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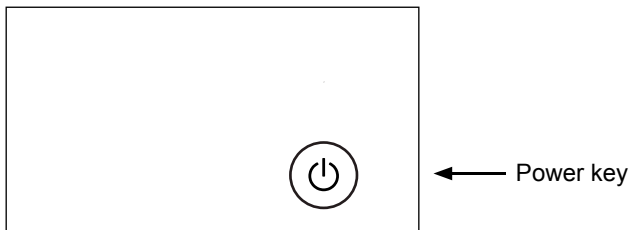
- In Android and Mac iOS systems, VOP software is only available over Wi-Fi.
-

# 9

# Keys and Indicators

## 9.1 Introduction

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LED indicator has four colors.

Power key: Red

Blue

Green





Yellow











## 9.2 LED Indicator

















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LED indicator	Status
○	Off
●	On
⦿	Flashing (on for one second and off for one second)
⦿	Slow flash (on for one second and off for three seconds)
⦿	Rapid flash (on for 0.5 seconds and off for 0.5 seconds)
★	Highly rapid flash (on for 0.25 seconds and off for 0.25 seconds)

## 9.3 LED Indicator and Status Description

System Status	LED	Description
Power off		Power indicator is off
Power on		Power indicator is green
Warming up		Power indicator flashes green
Initializing/Standby (Non Wi-Fi Models)		Power indicator is green
Initializing/Standby/Wi-Fi unavailable (Wi-Fi Models. Wi-Fi disconnected or unavailable)		Power indicator is green
Initializing/Standby/ Wi-Fi connected (Wi-Fi mode, Wi-Fi connected)		Power indicator is blue
Firmware Update		Power indicator alternates between red and green every 0.5 seconds
Sleep Mode		Power indicator flashes green slowly
Factory Reset		Power indicator flashes rapidly for 10 seconds, followed by the yellow indicator being lit steadily.
Task in Progress		Power indicator flashes green
Printing		Power indicator flashes green
Canceling the Task		Power indicator alternates between red and green every 0.5 seconds

Wi-Fi enabled		Power indicator is blue
Enable SoftAP		The blue power indicator flashes twice highly rapidly
Disable SoftAP		The blue power indicator flashes thrice highly rapidly
Searching for Wi-Fi or connecting to Wi-Fi		Power indicator flashes blue
Wi-Fi connected		Power indicator is blue
Cover is open		Power indicator is red
Toner cartridge is not installed		
Paper Jam		
Out of Paper		Power indicator flashes red
Machine cooling down		
Pending to print the reverse side in the manual duplex mode		
Out of Toner/Toner is Low		Power indicator flashes red slowly
Controller error	 	The red power indicator flashes once rapidly and the green indicator flashes once

Fuser Unit Error	 	The red power indicator flashes rapidly twice and the green indicator flashes once
Laser Scanning Unit Fault	 	The red power indicator flashes once rapidly and the green indicator flashes twice
Main Motor Fault	 	The red power indicator flashes twice rapidly and the green indicator flashes twice
HVPS Unit Fault	 	The red power indicator flashes once rapidly and the blue indicator flashes once
LVPS Fault	 	The red power indicator flashes twice rapidly and the blue indicator flashes once
Fan Fault	 	The red power indicator flashes once rapidly and the blue indicator flashes twice
Scanning Head Not Reset	 	The red power indicator flashes twice rapidly and the blue indicator flashes twice
Scanner Motor Fault	 	The green power indicator flashes once rapidly and the blue indicator flashes once

## 9.4 LED Indicator Status and Operation Guide

Printer Status	Operation	Key Steps
Power off	Power on	Press and hold power key for one second or longer
Power off	Factory Reset	Open the cover, press and hold the power key for 10 seconds or longer. (Power indicator flashes rapidly for 10 seconds, followed by the yellow indicator being lit steadily)
Standby	Power off	Press and hold the power key for 6 seconds or longer until all the indicators are off. Then release the key to power off the printer (Power off is a mandatory operation and can be performed in any status.)
Standby	Print a Configuration Page	Press the power key three times within one second
Standby (Wi-Fi Model) and Wi-Fi is not enabled	Enable Wi-Fi	Press and hold power key for one second or longer
Standby (Wi-Fi Model) and Wi-Fi is enabled	Enable Soft AP	Press and hold power key for one second or longer
Standby (Wi-Fi Model) and Wi-Fi is enabled	Disable Soft AP	Press and hold power key for one second or longer
Task in Progress/Printing	Cancel the task	Press and hold power key for one second or longer
Sleep	Wake up	Press any button or disconnect and reconnect the USB cable



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Paper Jam	Clear jam	Follow the steps of clearing jams in Chapter 10 Troubleshooting
Out of Paper	Continue printing	Load paper and click the power key once

# 10

# Machine Maintenance

## 10.1 Maintaining the Toner Cartridge

---

### Storage

To extend the life of toner cartridges, note the following:

- ◆ Only remove the cartridge from its packaging just before its installation.
- ◆ Do not refill printer cartridges.
- ◆ The printer's warranty is voided when refilled cartridges are used.
- ◆ Store the cartridge in an environment similar to where the printer is placed. The cartridge should be stored in the shade.
- ◆ To avoid damaging the cartridge, do not expose it to the sun for more than a few minutes.

### Expected Life

The life of a cartridge depends on the intensity of use. Retail cartridge can print at least 1,500 pages when used for printing documents with 5% text coverage. (But the toner cartridge supplied with the printer can print an average of 700 pages.)

- ◆ Using non-recommended paper can shorten the life of the cartridge and device parts.
- ◆ Frequency of cartridge replacement varies with the type of document printed, print media and print coverage.

### Recycling the cartridge

- ◆ Separate used cartridges from household garbage and dispose them according to local laws and regulations.

For more information, contact your local waste treatment agency. Reseal the cartridge before disposal to prevent accidental toner spills.

- ◆ Place used cartridges on clean paper to prevent accidental spilling or scattering of the toner.

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## Toner Save Mode


- ◆ You can enable the Toner Save Mode in the Property Settings of the printer. The life of the cartridge can be extended by selecting this option.  
The printing cost per page is reduced, but print quality is compromised.

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## Notes

- When the toner is low, the LED indicators will light up as follows:

	Power indicator flashes red slowly
---	------------------------------------


- If the printed image turns lighter or blurred, we recommend that you use the VOP software that monitors the amount of toner remaining. Considering whether to replace the toner cartridge.
- ◆ Actual printable numbers vary depending on image volume and density, number of pages printed at a time, paper type and size, and environmental conditions such as temperature and humidity. Toner quality degrades over time.
  - ◆ For good print quality, we recommend that you use genuine toner from the Lenovo.
  - ◆ Lenovo(Beijing) Limited shall not be responsible for any damage or expense that might result from the use of parts other than genuine parts from the Lenovo with your office products.
- 
- 

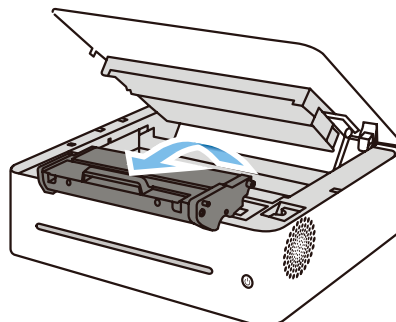
## 10.2 Replacing the Toner Cartridge

---

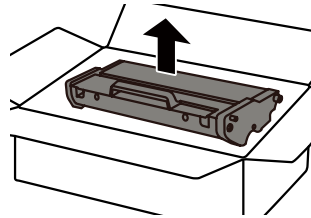
---

- 1 Open the printer cover.
- 2 Hold the handle of the cartridge and lift the cartridge out of the printer.

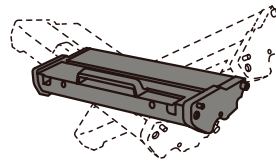
 Beware of hot surfaces.



- 
- 
- 3 Take the new toner cartridge out of box, and then take it out of the plastic bag.



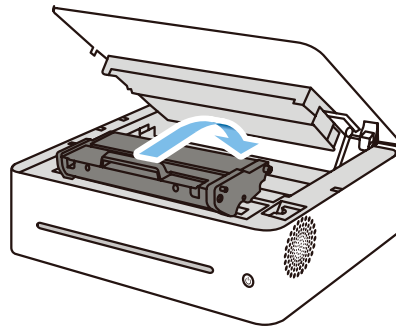
- 4 Gently shake the cartridge five to six times horizontally to distribute the toner evenly within the cartridge.



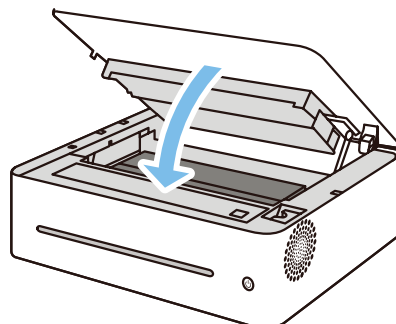
**Important**

- Should your clothes be stained with toner, wipe with a clean cloth and wash with cold water. Hot water will set the toner into the fabric, making the stain difficult to remove.

- 
- 
- 5 Insert the cartridge into the printer until it is locked into place.



- 6 Close the printer cover.



## 10.3 Cleaning the Printer

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To ensure the best print quality, clean the printer as instructed below whenever the toner cartridge is replaced or when you notice a decrease in print quality.

### Do's and Don'ts

Clean the machine periodically to maintain high print quality.

- ◆ Wipe the printer surface with a soft dry cloth or a soft damp cloth where necessary.

If the printer is still dirty, use a pH neutral detergent to avoid causing deformation, discoloration or damage to the printer.

Do not use volatile cleaning agents (such as gasoline, solvents or insecticidal sprays) to wipe the machine.

Wipe the printer repeatedly with a damp cloth until the stain is removed, then dry with a clean cloth.

- ◆ Do not touch the Transfer roller (under the toner cartridge) when cleaning the inside of the printer.

Greasy hands may affect the print quality.

- ◆ Use a clean dry cloth to wipe off any dirt or stain inside the machine.
- ◆ You must disconnect the plug from the wall outlet at least once a year. Clean away any dust and grime from the plug and outlet before reconnecting. Accumulated dust and grime pose a fire hazard.
- ◆ Do not drop clips, staples or other small articles into the printer.

### Cleaning the Exterior of the Printer

Clean the exterior of the printer with a clean and dry lint-free cloth.

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## **Cleaning the Inside of the Printer**

During printing, paper scraps, toner and dust particles may fall into and accumulate inside the printer. As time goes by, the debris may result in poor print quality, such as toner spots, stains and paper jams. Cleaning the inside of the printer can eliminate or reduce such issues.

1. Power off the printer and disconnect the power cord. Wait for the printer to cool.
2. Open the printer cover and remove the toner cartridge.
3. Wipe off the dust and toner on the cartridge and inside the printer with a dry lint-free cloth.
4. Re-install the cartridge and close the cover tightly.
5. Connect the power cord and turn on the printer.

### **Important**

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- Do not expose the cartridge to the sun for more than a few minutes to avoid damaging it. Cover it with a piece of paper where necessary. Do not touch the transfer roll inside the printer.
- 
- 

## **Cleaning Scanner Glass**

- 1 Lift the scanner cover.
- 2 Clean the scanner glass with a soft wet cloth, and then dry with a clean cloth.

# 11

# Troubleshooting

## 11.1 FAQs

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This section provides troubleshooting tips for commonly encountered problems.

Problems	Possible Causes	Solutions
Machine cannot be powered on	The power cord is not correctly connected	1. Make sure that the power plug is firmly inserted into the wall outlet 2. Connect other devices to the same socket to verify that it is working
Pages are not printed	USB cable is not correctly connected	Re-connect the USB cable
Strange noises	The toner cartridge is not installed correctly	Check whether the toner cartridge is correctly installed

### Notes

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- ◆ If the problems persist, power off the machine, disconnect the power cord and contact your sales or service representatives.
-

## 11.2 Paper Feed Problems

If the machine is operating but paper will not feed or paper jams occur frequently, check the condition of the machine and paper.

Problems	Solutions
Paper does not feed smoothly	<ul style="list-style-type: none"> <li>• Use only supported paper types. Refer to <b>Chapter 3: Print Media</b> for the supported paper types.</li> <li>• Load paper correctly, making sure that the paper guides are properly adjusted. Refer to <b>Chapter 2: Setting up the Printer</b> for Loading Paper.</li> <li>• If the paper is curled, straighten the paper.</li> <li>• Take out the paper from tray and fan it well. Then, reverse the top and bottom of the paper, and put it in the tray.</li> </ul>
Frequent jams	<ul style="list-style-type: none"> <li>• If there are gaps between the paper and paper guides, adjust the guides to remove the gaps.</li> <li>• Avoid printing on both sides of the paper when printing images that contain large areas of solid color, which consume a lot of toner.</li> <li>• Use only supported paper types. Refer to <b>Chapter 3: Print Media</b> for the supported paper types.</li> <li>• Load paper only as high as the upper limit markings on the paper guide.</li> </ul>
Multiple sheets of paper are fed at one time	<ul style="list-style-type: none"> <li>• Fan the stack of paper well before loading it in the tray. Make sure that the edges are even by tapping the stack on a flat surface such as a desk.</li> <li>• Make sure that the paper guides are in the right position.</li> <li>• Use only supported paper types. Refer to <b>Chapter 3: Print Media</b> for the supported paper types.</li> <li>• Load paper only as high as the upper limit markings on the paper guide.</li> <li>• Check that paper was not added while there was still some left in the tray. Before adding new paper, remove the remaining paper from the feed tray and add them to new stack, fan the paper again, then put it in the tray..</li> </ul>
Paper gets wrinkles	<ul style="list-style-type: none"> <li>• Paper is damp. Use only paper that has been stored properly.</li> <li>• Paper is too thin. Refer to Chapter 3: Print Media for the supported paper types.</li> <li>• If there are gaps between the paper and the paper guide, adjust the paper guides to remove the gaps.</li> </ul>



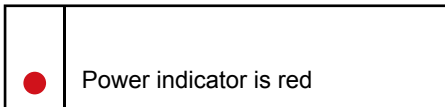
The printed paper is curled	<ul style="list-style-type: none"> <li>• Load the paper upside down in the feed tray.</li> <li>• Paper is damp. Use only paper that has been stored properly.</li> </ul>
Images are printed diagonally to the pages	If there are gaps between the paper and the paper guide, adjust the paper guide to eliminate the gap.

## 11.3 Removing Paper Jams

Paper jams may occur during printing. When the print media is stuck, you will be notified by an error message from the VOP software and by the printer LED indicators.

### Reasons for Paper Jams

- ◆ The paper is not correctly loaded in the feed tray, or too much paper has been loaded.
- ◆ The cover is open during printing.
- ◆ The paper used does not comply with the required specifications. Refer to **Chapter 3: Print Media** for the supported paper types.
- ◆ The paper is too large or too small. Refer to Chapter 3: Print Media for the supported paper types.
- ◆ When paper is jammed, the LED indicator will light up as follows:



- ◆ If the area where the paper is jammed is not immediately visible, check the inside of the printer.

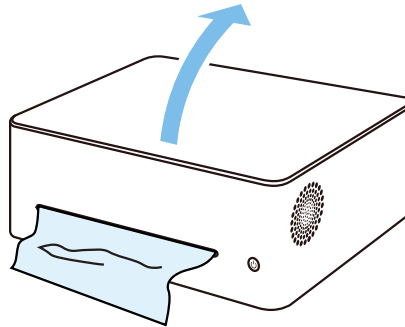
### Paper Jams at the Paper Exit

#### Important

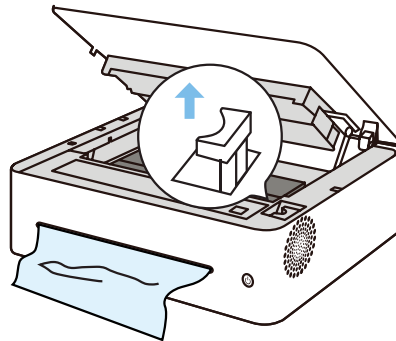
- If the paper is jammed here, it can cause the toner to spill onto the paper. If your clothes is stained with the toner, wash off the stain with cold water. Hot water will set the toner into the fabric, making the stain difficult to remove.

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1 Open the printer cover.

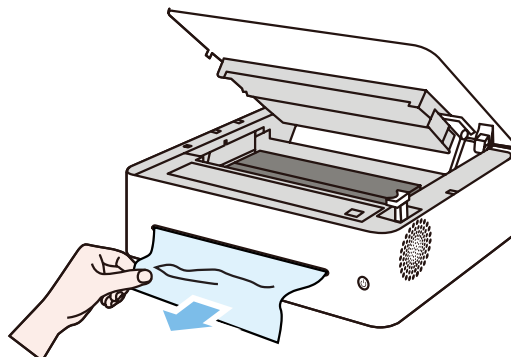


2 Pull the release lever upwards.



3 Pull the jammed paper carefully out of the paper exit.

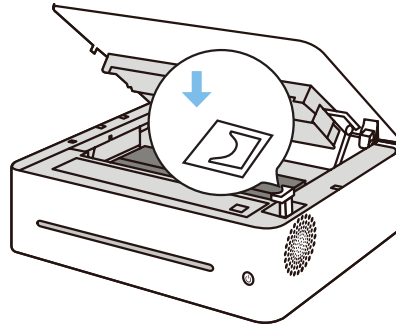
Be careful not to tear the paper.



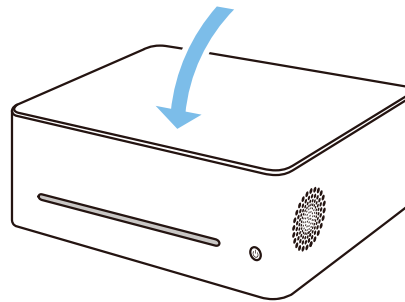
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4 Push the release lever back into position.



5 Close the cover to resume printing.



## Paper Jams at the Feed Tray

### **Important**

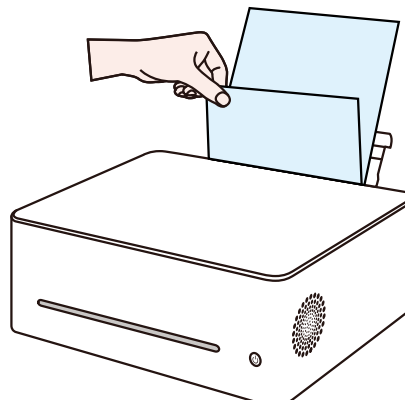
- If the paper has already entered the toner cartridge section, carry out the following steps.

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1 Pull the jammed paper carefully out of the feed tray.

Be careful not to tear the paper.



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2 Resume printing.

**Important**

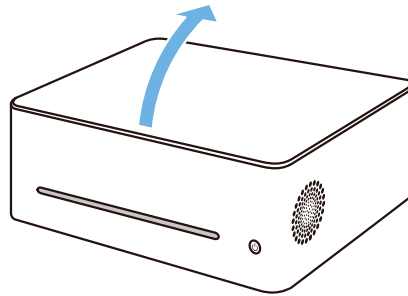
- If the power indicator remains red, it indicates some paper is still stuck in the printer. Check the inside of the printer.
- 
- 

## **Paper Jams Inside the Printer**

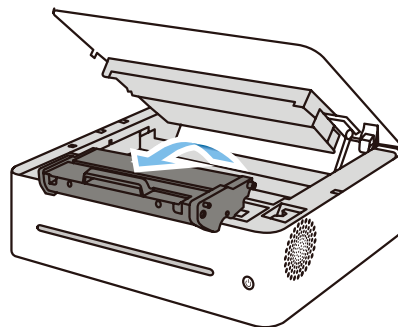
**Important**

- If the paper jam occurs here, it can cause the toner to spill onto the paper. If your clothes is stained with the toner, wash off the stain with cold water. Hot water will set the toner into the fabric.
- 
- 

1 Open the printer cover.



2 Remove the toner cartridge.



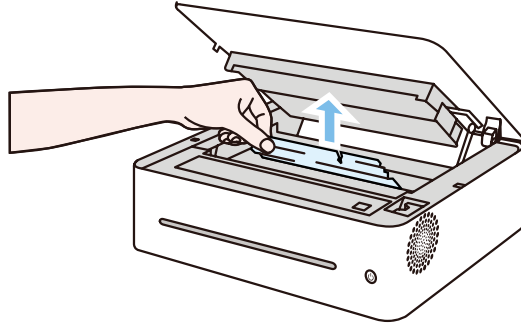
**Important**

- Do not expose the cartridge to the sun for more than a few minutes to avoid damaging it. Cover the cartridge with a sheet of paper after it has been removed from the printer.
- 
-

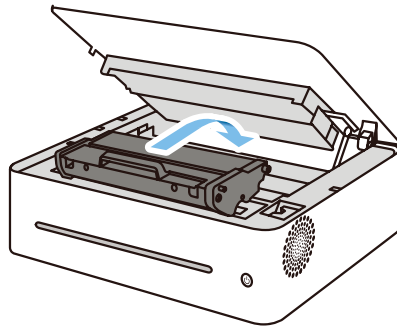
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**3** Gently pull the paper out of the printer.

Make sure no paper is left inside the printer.

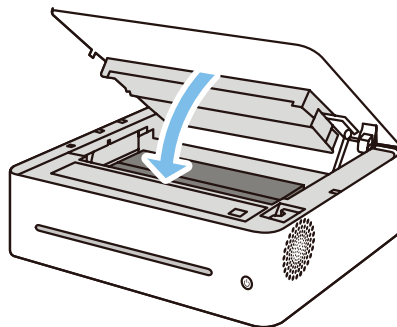


**4** Reinstall the toner cartridge.



**5** Close the cover tightly.

The printer will resume printing.



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## Tips to Avoid Paper Jams

- The occurrence of paper jams can be significantly reduced by using the recommended types of print media. In the event of paper jams, follow the instructions described in "Removing Paper Jams".
- Load paper as instructed in the section on "Loading Paper". Adjust the position of the paper guide properly.
- Do not overload the feed tray.
- Do not attempt to remove paper from the feed tray when the printer is printing.
- Bend the sheets back and forth, fan the stack and flatten the paper before loading it.
- Do not use corrugated, folded, wet or curled paper.
- Do not mix different types of paper in the same feed tray.
- Use only recommended print media. Refer to the section on Loading Paper in Chapter 2: Setting up the Printer.
- Store the print media in a suitable environment.

## Important

- The jammed sheet of paper will likely be covered with unfused toner. Be careful not to get it on your hands or clothes.
- Toner on prints made immediately after removing a paper jam may be insufficiently fused and can smudge. Make test prints until smudges no longer appear.
- Do not force a jammed paper out of the printer as it may tear. Torn pieces left inside the machine will cause further jams and possibly damage the machine.
- Paper jams may lead to missing pages. Check whether there are any missing pages in the print job and, if yes, re-print the missing pages.

## 11.4 Print Quality Problems

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If there is a problem with the quality of printing, first check the condition of the machine.

Problems	Solutions
The machine is not properly placed.	Make sure that the machine is on a level surface. Place the machine where it will not be subject to vibration or shock.
Unsupported paper types have been used.	Make sure that the paper being used is supported by the machine. Refer to Chapter 3: Print Media for the supported paper types.
Incorrect paper type settings.	Make sure that the paper type setting of the printer driver matches the type of paper loaded. See "Supported Paper Sizes and Types".
Non-genuine toner cartridge has been used.	Non-genuine toner cartridge has been used. The non-genuine toner cartridge may reduce the print quality and even cause malfunctions. Use genuine toner cartridges.
Old toner cartridge has been used.	Toner cartridges should be opened before their expiration date and used within six months of being opened.
Machine needs to be cleaned	Refer to Cleaning the Printer in Chapter 10: Machine Maintenance. Clean the machine as required.

## 11.5 Printing Problems

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Problems	Solutions
An printing error occurs	<p>If an error occurs during printing, change the computer settings and printer driver settings.</p> <ul style="list-style-type: none"><li>• Check whether there are other running applications. Close any other applications because they may interfere with the printing. If the problem is not resolved, close unneeded processes too.</li><li>• Check that the latest printer driver is being used.</li></ul>
There is considerable delay between the print start command and actual printing.	<ul style="list-style-type: none"><li>• Processing time depends on data volume. High volume data, such as graphics-heavy documents, take longer to process. Wait for a while.</li><li>• To speed up printing, reduce the printing resolution using the printer driver program.</li></ul>
The whole printout is blurred	<ul style="list-style-type: none"><li>• Paper is damp. Use only paper that has been stored properly. Refer to Chapter 3: Print Media for the supported paper types.</li><li>• If you have enabeld [Toner Save Mode], printing is generally less dense.</li><li>• Condensation may have collected. If rapid change in temperature or humidity occurs, use this machine only after it has been acclimatized.</li></ul>
Cannot print properly when using a certain application, or cannot print image data properly.  Some characters are printed faintly or not printed.	Change the print quality settings.



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## Print Positions Do Not Match Display Positions

If the position of items on the printed page differs from the position displayed on the computer screen, the cause may be one of the following.

Problems	Solutions
Page layout settings are not configured properly.	Check that the page layout settings are properly configured in the application.
The paper size settings does not match with the paper loaded.	Check whether the paper size specified on the printer driver matches that of the loaded paper.

# 12 Appendix

## 12.1 Precautions about Toner

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- The normal operation of the machine cannot be guaranteed if non-Lenovo toner products are used.
- Depending on printing conditions, there are cases where the printer cannot print the number of sheets indicated in the specifications.
- If the printed image suddenly turns lighter or blurred, replace the toner cartridge.

## 12.2 Moving and Transporting the Machine

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This section provides cautions that you must follow when moving the machine for a long/short distance.

Repackage the machine with the original packing materials when you need to move the machine for a long distance.

- ◆ Be sure to disconnect all cables from the machine before transporting it.
- ◆ The machine is a precision piece of machinery. Be sure to handle it carefully when moving it.
- ◆ Make sure to move the machine horizontally. Take extra caution when carrying the machine up or down stairs.
- ◆ Do not take out the toner cartridge during the moving.
- ◆ Make sure to keep the machine upright when moving it. Move the machine carefully to prevent the toner from spilling.

Make sure to follow the checklist below:

- The power has been turned off.
- The power cord is unplugged from the wall outlet.
- All other cables have been disconnected from the machine.
- ◆ Repackage the machine properly if it needs to be transported for a long distance. Take care not to tip or tilt the machine during transit.
- ◆ When moving the machine, the toner may spill out into the machine if the machine is not kept level during transit..
- ◆ For more information about moving the machine, contact your sales or service representatives.

### **Disposal**

For information on correct disposal of the machine, contact your sales or service representatives.

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## Where to Inquire

Contact your sales or service representative for further information about the topics included in this manual or to inquire about other topics not included in this manual.

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## 12.3 Toner Cartridge

Retail toner cartridge can print at least 1,500 pages when used for printing documents with 5% text coverage. The toner cartridge that is supplied with the printer can print an average of 700 pages.

### Notes

- Unless a toner cartridges is replaced before toner runs out, printing will become impossible. To facilitate cartridge replacement, we recommend you purchase and store extra toner cartridges.
  - The actual number of printable pages varies depending on the image volume and density, number of pages printed at a time, paper type and paper size used, and environmental conditions such as temperature and humidity.
  - The quality of the cartridge will decrease with time. Hence, print cartridges may need to be replaced sooner than indicated above.
  - Toner cartridges are not covered under the warranty. However, if problems arise, contact the store where they were purchased.
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# 12.4 Specifications of the Machine

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This section lists the specifications of the machine.

## **General Function Specifications**

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### **Configuration**

Desktop

### **Maximum paper size for scanning using the scanner glass**

216 mm × 297 mm (8.5 × 11.7 inches)

### **Maximum paper size for printing**

216 mm × 356 mm (8.5 × 14 inches)

### **Warm-up time**

Less than 25 seconds (23 C, 50%RH)

### **Paper sizes**

A4, B5 JIS, A5 (SEF), B6 JIS(SEF), A6 (SEF), Letter, Executive, 16 K, Custom Paper Size

Custom Paper Size supports the following range of paper sizes:

- Width: 76.2~216mm
- Length: 116~356mm

### **Paper types**

Plain Paper (70-90 g/m<sup>2</sup>)

Recycled Paper (70-90 g/m<sup>2</sup>)

Thick Paper (90-105 g/m<sup>2</sup>)

Thin Paper (60-70 g/m<sup>2</sup>)

Label

Paper feed capacity 50 sheets (70 g/m<sup>2</sup>, 19 lb.)

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**Memory**

128 MB

**Power requirements**

220-240 V, 5 A, 50/60 Hz

**Power consumption**

- Maximum 900 W
- Power Saving Mode 1 1.2 W or less

**Dimension (Width×Depth×Height)**

350 x 275 x 135 mm

**Weight (Machine and toner cartridge)**

Approx. 8.9 kg (19.6 pounds) or less

**Printing Function Specifications****Printing speed**

22 pages per minute (A4, SEF)

**Resolution**

600 × 600 dpi (Max: 1200 × 600 dpi)

**First print speed**

11 seconds or less (from data processing completion to output)

**Interface**

USB 2.0 and WiFi 802.11 b/g/n (WiFi model only)

**Printer language**

GDI



## 12.5 Trademark

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# Index

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