

A610 Series

User Manual

- This user manual includes a product warranty.
- Please read the user manual before using this product and keep the manual in a convenient location.



Safety Precautions

PLEASE FOLLOW THE INSTRUCTIONS BELOW WHEN USING THIS DEVICE.

Marning: Failure to follow the instructions may cause death or critical injuries.

- You must plug in the power cord directly into the wall outlet. Do NOT use an extension cord.
- If the power cable or plug has been eroded or damaged, pull the plug to remove it.
- Do NOT remove covers or screws unless otherwise stated in this manual in order to avoid electric shock or exposure to laser radiation (for laser devices).
- For the following situations, turn off device and pull the plug to remove the power plug.
 - Something has been spilled on the device
 - Considering making a request for repair of the device
 - Cover of the device has been damaged
- If the device uses toner, do NOT burn spilled or discarded toner.

Toner particles may ignite when exposed to a flame.

- Use designated store or recycle location to discard the device.
- Turn off when not using the device for a long time or before leaving work. Failure to do so may cause unexpected fire.

Caution: Failure to follow the instructions may cause minor to critical injury or property damage.

- Protect device from damp or wet places exposed to rain, snow, etc.
- Remove the power cord from the wall outlet before moving the device. Be careful NOT to damage the power cord while device is being moved.
- When unplugging the power cord from the wall outlet, do not pull by the cable. Pull by the plug.
- Do NOT let paper clips, staples or other small metal objects fall into the device.
- Take caution when removing jammed paper or cleaning inside the device.
- For devices that use toner, store toner and cartridge out of reach of children.
- Do NOT discard the device or consumables in garbage disposal areas for households. Use designated store or recycle location to discard the device.
- Inside of the device may be extremely hot. Do NOT touch parts labeled "Caution: HOT" or anywhere near the parts. You may suffer a burn.
- This product meets the Standards for High Quality and Performance. It is strongly recommended to use ONLY authentic parts available at our designated stores.

Before Use

Thank you for purchasing a Sindoh product.

This manual provides detailed instructions on the correct use and maintenance of the device for best quality and to contribute to making your office smooth and efficient.

Please read this manual carefully before using the device and keep it close at hand. You MUST read the safety precautions before using the device for safe and correct use.

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1. Introduction

The user manual provides detailed explanation and precautions on the operation and usage of the device.

Read the manual carefully before operating the device for user safety and convenience.

Keep the user manual nearby for quick reference.



 The descriptions of the user manual may be modified without prior notice. Sindoh is not responsible for any indirect, special, supplementary, and resultant damages caused by the device handling and operation.

Duplication or printing to produce an illegal duplicate is strictly prohibited.

Generally, the duplication or printing of bills, revenue stamps, bonds, share certificates, bank drafts, checks, passports, driver's licenses, and so on is prohibited in the local law.

The above list is just an example. The details of the above list are not all. The company is not responsible for whether the above list is the total or correct list. Seek local advice should you have questions about the legality of duplicating or printing of an object.



- The features of the user manual may be different from those of the actual device.

Some options may not be available in certain countries

Contact your local sales representative or dealer regarding the above.

Some units may be optional depending on the country.

Contact an authorized local service depot near you regarding the above.

- Certain types may not be available in some countries.
 Contact your local sales representative for details.
- This user manual uses two measurement systems,

This device uses the metric system



 Control, adjustment, or operation in an order NOT specified in this user manual may lead to exposure to harmful laser emissions.

2. How to Read the User Manual

Symbols

This user manual uses the following symbols.



The following are important safety precautions.

Failure to follow the precautions may result in death or critical injury.

Please read the instructions below. Refer to the safety precautions for safe use of this device.



The following are important safety precautions.

Failure to follow the precautions may result in minor injuries or property damage.

Please read the instructions below. Refer to the safety precautions for safe use of this device.



Precautions for using the device including paper feeding errors, damaging of original data or data loss have been specified. Please read carefully.

Symbols refer to information required before operating the device.



Symbol refers to description of functions and actions for user errors.



This symbol is at the end of a paragraph. It refers to the location of related detail.

[]

This indicates messages or menu displayed on the LCD display on the device.

This refers to name of each function key shown on the control panel and the display.

3. Safety Information

Plug the power cord to the wall outlet which is near the device, which is easily accessible and properly grounded. Do not use or store the device in a wet or humid environment.

Injury Risks

- This product uses laser. The control, adjustment, or operation may result in exposure to harmful laser emissions.

This product uses a printing media heating method so that gas may be emitted from paper due to heating. In order to prevent the emission of harmful gas, the section addressing the details on the selection of printing media in the operating instructions should be understood.

High Surface Temperature

- Inside of the printer may be extremely hot. Let the surface cool before handling to avoid injuries.

Injury Risks

- Follow the below instructions to prevent personal injuries or printer damage before moving the printer. Switch off the printer using the power switch and unplug the power cord.

Remove all cords and cables from the printer before moving it.

Do not lift the optional feeder and printer at the same time. Lift the printer first, and then use both side handles to lift the feeder.

Use only the power cord provided with this printer or the one approved by the manufacturer.

Electrical Shock Hazard

When accessing the system board or installing a memory option device after installing the printer,
 proceed after turning off the printer and unplugging the power cord.
 If another device is con nected to the printer, turn off the device and separate the cable from the printer.



Electrical Shock Hazard

- The design test of the product was passed and approved by using components meeting strict international safety standards. The safety function of a part may not be clear.

The corresponding manufacturer is not responsible for the usage of another replacement part.



Injury Risks

Do not twist, bend, step on or put heavy objects on the power cord. Be careful not to have the power cord stripped off or overloaded. Do not have the power cord get jammed into the gap of an object such as furniture or a wall. Misuse of the power cord may cause fire or electric shock.
 Check the power cord regularly. Unplug the power cord from the receptacle for inspection.
 Contact a service specialist about a service or repair problem not stated in the user manual.



Electrical Shock Hazard

 When cleaning the surface of the printer, disconnect the power cord from the receptacle and all the cables connected to the printer to prevent electric shock.

4. Notice

Temperature Information

Operating Temperature	15.6°C~32.2°C
Shipping and Storage Temperature	-20.0℃ ~ 40.0℃

^{*} Using the duplex for a long time in high temperature may result in blurred images.

Product Disposal

Do NOT dispose of the printer and consumables as you would dispose of normal household objects. Contact the store regarding disposal or recycling of this product.

Notice Regarding Laser Products

This printer meets the requirements in DHHS 21 CFR Subchapter J of the United States of America, and has been approved as a Class I laser product that meets the requirements in IEC 60825-1 in other regions.

Class I laser products are not defined as a hazardous product.

This printer contains Class IIIb (3b) laser, a 5 mW GaAs laser that operates in electromagnetic wave field of 770~795 nm. This laser system and the printer were designed to protect users from exposure to laser emissions of over

Class I when used or repaired in normal conditions.



Notice Regarding Electromagnetic Interference

This product is a Class B device.

Class B device: This device is registered as the electromagnetically suitable household device.

It can be used in all areas including residential areas.

[※] Using device in low temperature (below 15℃) may result in blurred images or contamination.

Power Consumption

Product Power Consumption

The table below shows power consumption of the printer. Some modes may not be included in your product.

Mode	Description	Power Consumption (W)
Printing	Creating paper document from electronic input data.	680W
Ready	Ready for printing	70W
Power Save Mode	In Energy Saving Mode	Under 4W
OFF	Plugged into outlet but power has been switched off	Under 0.05W

Power consumptions above are average measurements taken by the hour.

Instant power consumption may be significantly higher than average.

Power Save Mode

This product is designed to provide energy saver mode named Power Save Mode.

The Power Save Mode reduces power consumption when the printer is not used so as to save energy.

If this product is not used for a certain period of time, it automatically enters Power Save Mode.

Time before entering the Power Save Mode is set to default factory setting. With this menu,

you can change the time before entering Power Save Mode to between 1 and 240 minutes.

Setting the time short will save more energy but decrease the product's response time.

Setting the time long will help maintain shorter response time but use more energy.

Deactivate Mode

Products with Deactivate mode may still consume small amount of power.

To completely stop power consumption, unplug the power cord from the outlet.

Total Energy Consumption

Calculating the total energy consumption of the product may be useful.

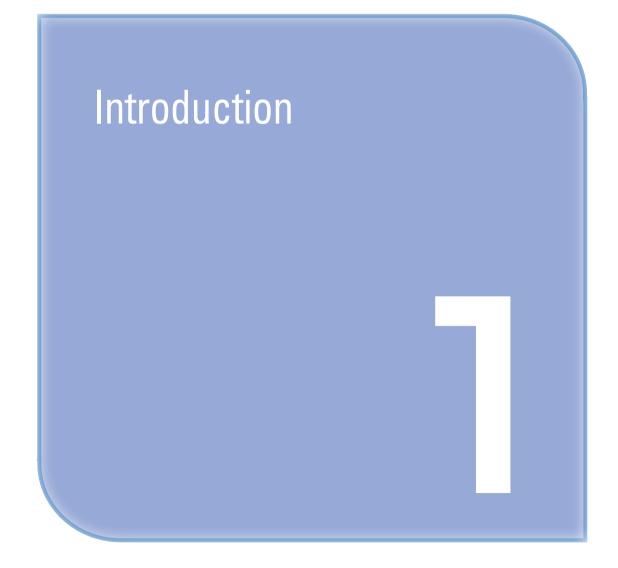
Because electricity bills are charged by watt, you must multiply the time the product spent in each mode by the power consumption.

Total energy consumption is the sum of energy consumption in each mode.

Wireless LAN Standard

This mobile device may cause airwave interference, and as such cannot be used for emergency calls.

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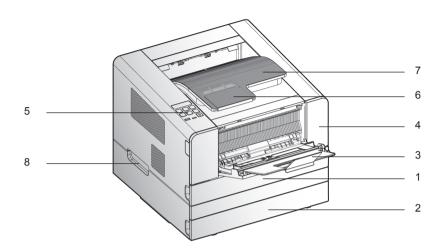


1. Specification

Manage 1	Product
Items	A610 Series
Model Name	A610, A615
Output Speed	40ppm(A4), 42ppm(LT)
Memory	256MB
Resolution	1200dpi
	1 USB/Ethernet : Ethernet 10/100 Base-TX Network Protocol TCP/IP(IPv4 & IPv6) RAW(Port 9100), LPR Auto Setting/Auto Setting v6 ICMP/ICMPv6, SNMP, HTTP WEP, WPA/WPA2, WPS
	1 USB/Wi-Fi (Wireless LAN): IEEE 802.11 b/g/n Wireless Network Wireless Security Authentication: Open system, WEP, WPA, WPA2, WPS Encoding: WEP64, WEP128, TKIP, AES ** Add-ons available
Emulation	SDAPL, PCL5e/6, PS3
Support Protocols	TCP/IP(IPv4, IPv6), LPR, Port9100, Auto setting, Auto settingv6, ICMP/ICMPv6, DNS, SNMP, HTTP, WEP, WPA/WPA2, WPS
Tray	250 sheets
Multipurpose tray (MPT)	50 sheets
Cartridge	6,000 sheets enclosed: A610 9,000 sheets enclosed: A615
Duplex (2-sided) print function	Auto 2-sided printing (Duplex installed)
Product size (W x D x H)	383 X 386 X 234(mm)
Power rating	220V-240V~,50/60Hz, 3.9A
Weight	10.5 Kg

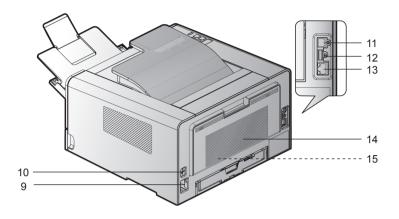
2. Names and Functions of the Components

Names and Functions of the Components (Front)



Description	Names of each part	Functions
1	Tray 1	Holds 250 sheets .(75g/m²(20lb))
2	Tray 2	Optional tray that holds 250 or 500 sheets (2 types). (75g/m²(20lb)): Additional purchase required if not installed by default.
3	Multipurpose tray	Spread extension tray for standard paper, label paper or envelops.
4	Front Cover	Open the cover to install the cartridge or check the device.
5	Control Panel	Buttons, lamp, and LCD display necessary for operation
6	Paper Support	Prevents printed paper from falling.
7	Output Bin	Paper is dispensed with the printed side facing down. Printed sheets can be stacked up to 250. (75g/m²(20lb))
8	Handle	Use it to move the printer or install the optional tray.

Name and Function of Each Part (Back)



Description	Name of Each Part	Functions
9	Power connector	For plugging in the power cord
10	Power button	Button for turning on the printer
11	USB Port connector	Connects UBS ports of computer and printer
12	Wi-Fi connector	Connects Wi-Fi ports
13	Ethernet connector	For plugging in the Ethernet cord
14	Back cover	It can be used to remove jammed paper or check inside the printer.
15	2-sided printer	Automatically prints 2 sides (installed inside the device)

Sindoh A610 series offers 250/500 sheet options in addition to the basic configuration.

- * Basic configuration: Tray 1 (250 sheets) + Multipurpose tray (50 sheets)
- * Additional configuration 1: Basic configuration + 1 small optional tray (250 sheets)
- * Additional configuration 2: Basic configuration + 1 large optional tray (500 sheets)
- * Additional configuration 3: Basic configuration + 2 large optional trays (500 sheets)

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4. Installation and Use

Refer to the enclosed CD or our website for more details on installing or using the printer. Detailed instructions on installing or disassembling the printer, installing and replacing consumables, feeding paper, or using the driver CD for driver and utilities installation are available.

Driver CD

The driver CD contains the printer driver required to operate your printer.

The CD also contains information on printer utilities, printer-related documents, and the user manual.

Quick Installation Guide and User Manual

The quick installation guide offers easy instructions for installing and using the printer. The user manual in the CD offers details such as printer installation instructions, how to use the printer as well as general messages, functions, and how to handle paper jams.

Sindoh Website

The printer driver or utilities updates, various documents in the driver CD, and other printer-related information can be downloaded from the Sindoh website: www.sindoh.com

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5. Specification for Printer Paper & Feeding

This is an introduction of specifications for each type of printer paper used in the printer and paper feeding. Refer to the printer paper guidelines on pages 4-15, especially on card stock or label paper.

Feeder	Feeding per paper type	Paper size	Weight
Tray 1	Standard paper: 250 sheets Thick paper: Up to set height (marked by label)	A4, A5, JIS B5, Folio, Letter, Legal, Executive, Statement	60~120 g/m² (16~32lb)
Tray 2 (Small)	Standard paper: 250 sheets Thick paper: Up to set height (marked by label)	A4, A5, JIS B5, Folio, Letter, Legal, Executive, Statement	60~120 g/m² (16~32lb)
Tray 3 (Large)	Standard paper: 500 sheets Thick paper: Up to set height (marked by label)	A4, A5, JIS B5, Folio, Letter, Legal, Executive	60~163 g/m²
Multipurpose tray	Standard paper: 50 sheets Envelope: 5 sheets Label: 15 sheets Card stock: 5 sheets	Paper size between 76.2 X 127mm (3 x 5 inch) min. 216 X 355.6mm max. (8.5 x 14 inch)	60~166 g/m² (16~53 lb) Card stock 90lb

Duplex (2-sided) printing is as follows.

Paper size	Weight	Feeder
A4(210X297) Letter (216X279)	Standard paper 60~90 g/m² (16~24lb)	Stacking into default output tray



- Multipurpose input tray can hold up to 50 sheets of paper or up to 10 more based on thickness.

6. Product Certification

Certified Energy Saving Device

This product has been designed and manufactured for efficient energy use. The energy saving mark is only given to qualifying products. This mark indicates that the product satisfies energy saving requirements of the Korean government and is registered as an energy saving product with the Korea Energy Management Corporation. Products with this mark are 30 - 50% more energy efficient than other products.

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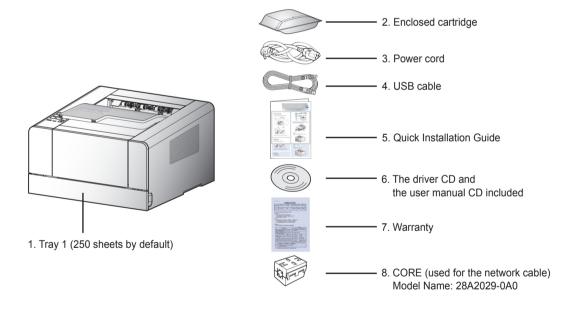
Printer Installation

1. Unpacking the Printer

- Unpack and install the printer in a well ventilated area.

 In order for proper operation of the cooling fan, nothing should be in the space within 8cm(3 inches) from the left, right, and back of the product. Avoid the following places;
 - A. Exposed to the direct sunlight
 - B. Close to heating equipment or air-conditioner
 - C. Dusty place
- 2 Pull out the printer and other components from the box.

 Keep the box and buffer materials in case you need to pack the printer.
- **3** Remove tape in and on the printer and remove the packing material from the tray.
- 4 Check if the following components are included.



- 5 Should you require assistance during installation or if any of components are missing or damaged, contact the store of purchase.
- 6 Install printer on a flat surface.

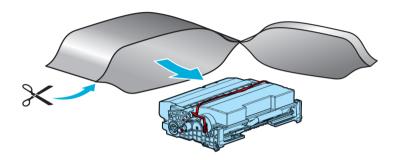


- Installing the printer on an uneven floor may cause machine failure or lead to printing of abnormal images.

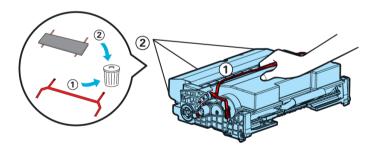
2. Cartridge Preparation

Unpack and install the cartridge in the following order.

1 Cut the bag to the guideline to open it and pull out the cartridge.

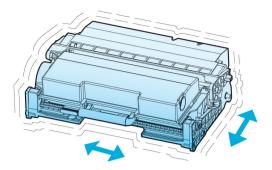


- If the unpacked cartridge is exposed to direct sunray or strong light, it may be damaged. Keep the unpacked cartridge in the shade or cover it with newspaper.
- Do not touch the green drum. Use the handle.
- Lay a sheet of paper down and put the cartridge on it to prevent the cartridge from being damaged.
- 2 Remove packing materials from the cartridge.



- Do not touch the drum beneath the cartridge.

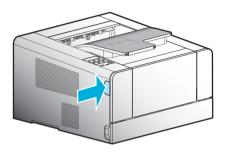
3 Hold the unpacked cartridge and shake it so that toner is evenly distributed.

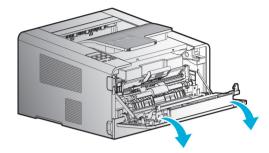


- Be careful not to touch the black toner powder
- Do not touch the green drum beneath the cartridge.

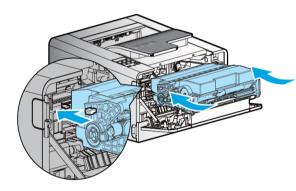
3. Cartridge Installation

Press the Unlock button on the left side to open the front cover.





- 2 Install the cartridge in the following order.
 - A. Hold the cartridge handle. (The back of your hand should be facing down)
 - B. Align the guides(arrow sticker) of the cartridge to the groove(arrow sticker) of the printer.
 - C. Push the cartridge into the printer until you hear a click



3 Close the front cover. A click will occur if the cover is properly closed. If not, the printer may not work properly.



- Check if the multipurpose tray is closed.

If you close the front cover while the multipurpose tray is open, it may cause malfunction.

4. Loading Print Paper

The printer has trays with a capacity of 300 sheets.

If the tray 2 is added, capacity is increased to 1300 sheets.

For more information on capacity, supported size or type, see the table below.

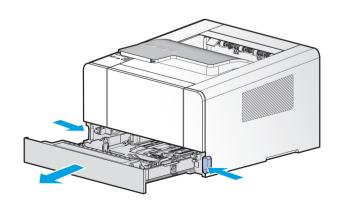
Туре	Number of sheets	Supported size	Supported type
Tray 1	250	A4, A5, B5, folio, letter, legal, executive, statement	Standard paper, Thick paper
Tray 2 (small)	250	A4, A5, B5, folio, letter, legal, executive, statement	Standard paper, Thick paper
Tray 2 (Large)	500	A4, A5, B5, folio, letter, legal, executive	Standard paper, Thick paper
Multipurpose Tray	50	Paper size between 76.2X127mm(3x5inch) min. 216X355.6mm max. (8.5x14inch)	Standard paper, Label paper, Envelope, Card stock

Loading on the Tray

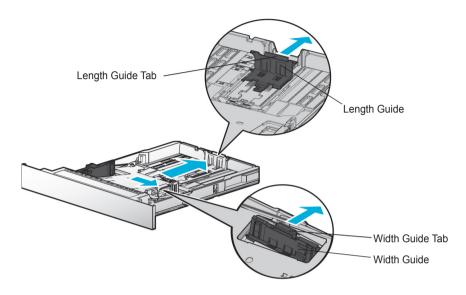
Load paper on the default or optional tray in the following order.



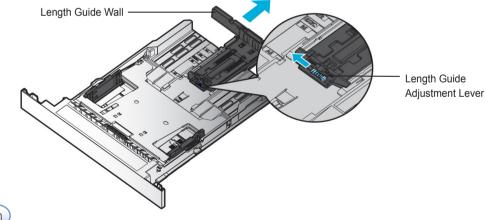
- When you change paper for Tray 1, check if paper type and size have been changed correctly in the driver.
- 1 Remove the tray. (Handles for removing the tray are on either side of the tray)



- 2 Hold the width guide tab and width guide together, and push them to the right.
- 3 Hold both length guide tab and length guide and move them to their maximum position.

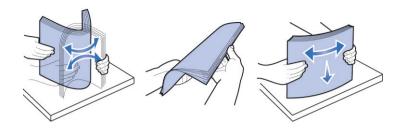


4 For Legal paper, set the length guide adjustment lever to "Legal," and move the length guide wall to its maximum position.



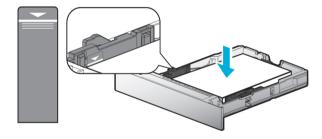
- When paper smaller than A4 size is loaded with the length guide adjustment lever set to "Legal", load paper after setting the length guide adjustment lever to "A5~A4" and pushing the length guide wall in as much as possible to hold it in place.
- 5 Loosen paper by bending it back and forth and blow air between the sheets. Do not fold or wrinkle paper.

Load paper with its edges flat and in correct alignment.

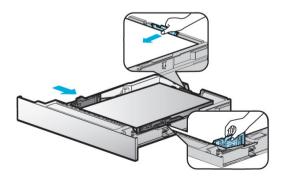


Important

- Do not exceed the maximum height marked on the tray when loading paper. This may cause paper jams.
- 6 Load paper up to the marked height.
- Push paper to the front of the tray with the print side facing down.



- 8 Hold both width guide tab and width guide and push to the end of paper.
- 9 Hold both length guide tab and length guide and push to the end of paper.



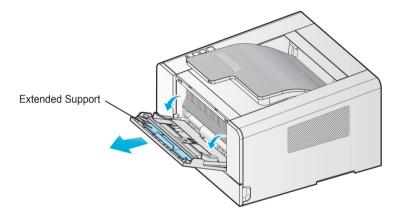
10 Push in the tray all the way into the printer.

Loading on the Multipurpose Tray

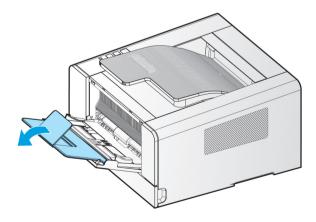
With the multipurpose tray, you can assign the size and type of paper on your computer and send the job to the printer, allowing you to manually load the correct paper type before printing. You may also load paper on the standard trays for automatic printing.

To load paper on the multipurpose tray, please follow the instructions below.

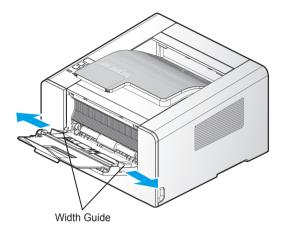
- Hold the top of the tray to pull it out.
- 2 Pull out the extended support.



3 Unfold the extended support.



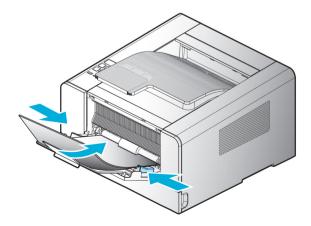
Push out both width guides a little wider than the paper to be loaded.



5 Loosen paper by bending back and forth and blow air between the sheets.
Do not fold or wrinkle paper.
Load paper with its edges flat and correct.



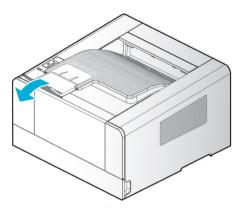
- Do not overload the multipurpose tray to the point where the paper is tightly placed between the width tabs. Overloading may cause paper jams.
- 6 Hold the print side facing up on the multipurpose tray and place paper in the center of the tray. Do not use crumpled or wrinkled paper.
- 7 Gently push paper to the front.
- 8 Gently push the width guides towards the paper.



Installing Paper Support

Paper support helps printed paper on output bin to maintain consistent angle and to be stacked without paper falling off the tray.

Pull paper support up after installing the printer.



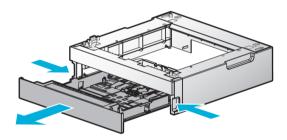
5. Installing Optional Tray 2

This printer supports optional tray 2 (250 sheets/ 500 sheets).

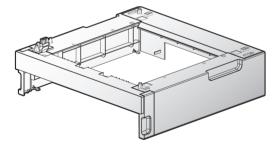
The optional tray 2 consists of support and tray.



- To install the optional tray 2 after installing the printer, check if the printer is switched off, power cord is unplugged and all cables are disconnected.
- 1 Remove all packing materials and tapes.
- Pull tray 2 out. (Handles for pulling out the tray are on either side of the tray)



3 Hold both ends of the support and put it in a place where the printer will be located.

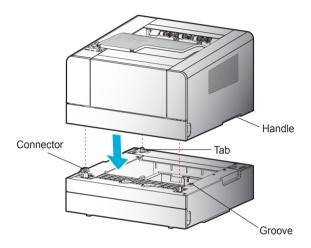


4 Push back the tray until if perfectly fits into the support.

Installing Printer on Tray 2

Lift the printer by handles on either side and place it on the place it is to be installed. To install the printer on the optional tray 2, do the following.

- 1 Align the tab, groove and connector on top of the tray with the bottom of the printer.
- 2 Place the printer on tray 2. Check if the device fits into tray 2 correctly.



6. Connecting Cables

Connecting USB Cable/ Network Cable/ Wi-Fi

The printer can be directly connected to the PC via the USB cable.

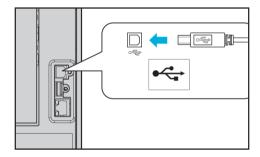


- While the device is on, do not connect or disconnect any communication ports.

Connecting USB Cable

The printer can be connected via the USB cable and its USB port supports the USB standard.

- 1 Check if the power of the printer, the computer, and the other connected devices is turned off.
- 2 Connect the printer to the PC via the USB cable. The USB port needs the USB cable. Check if the symbol on the printer matches that on the cable.



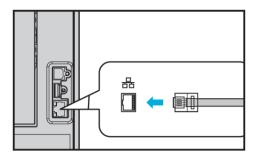
Connecting Network Cable

The printer can be directly connected to the network using a standard network cable.

Follow the instructions below to connect to the network.



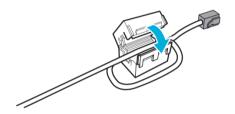
- Most networks use 10BaseT/100BaseTX Fast Ethernet port as the standard.
- 1 Check whether the power has been turned off on the printer, computer or other connected devices.
- 2 Use the standard cable compatible with the user network to connect the printer to the LAN or hub.



3 Switch on the printer.



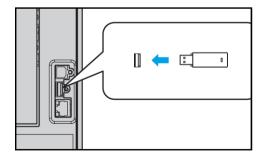
- Additionally connect the enclosed core to the cable before connecting the network cable.
 - : Wind the LAN cable once as shown in the image below and close it until you hear a click.



Connecting to Wi-Fi

(Wi-Fi module (PW-DN427) is available for purchase separately)

- 1 Check whether the power has been turned off on the printer, computer or other connected devices.
- Connect the Wi-Fi module to the USB port of the printer.(* The module is automatically recognized. No driver installation required)



3 Turn on the printer.



- Do not connect both the network cable and Wi-Fi module to the device at the same time.
 Due to the nature of network communication, problems may occur if data enters via wire/wireless data.
 Using both connections is not recommended for this product.
- If the device is connected to the network by the network cable, remove the Wi-Fi module.

 To use wireless network using the Wi-Fi module, disconnect the network cable.
- Check if the device is off before installing or removing the Wi-Fi module.

7. Installing the Printer Driver

The printer driver is software that enables communication between the PC and printer. In general, the printer software is installed during the initial setting of the printer. To install the software, follow the Instructions below.

- 1 Close all open programs on your PC.
- 2 Insert the software and user manual CD.
- 3 Click [Install] on the Basic installation window.
- 4 Follow instructions on the screen.
 - 1 In the Software and Manual menu, click [Install Driver and Software].



② Select the Installation type for driver and utility and click [Next >].

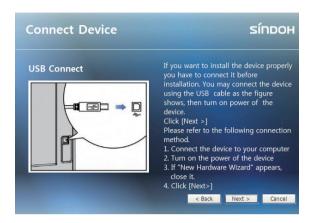


USB Installation

Select Install USB to install default printer, status monitor.

After installation, you will be able to print via the USB.

Follow instructions in the Connect Device window and click [NEXT >].

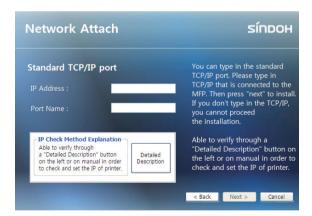


Network Installation

Select Install Network to install the default printer, status monitor.

Printing can be done via network after it has been installed.

See the network setting for the printer and enter the IP in the IP Address column. Click [NEXT >].



- * User Defined Installation allows the user to select a specific driver.
- 3 When driver has been installed, click [FINISH].



 See 「Network Setting」 on p. 3-18 for network settings information including the printer's IP address.



Updating Options Available for the Printer Driver

After installing the printer software and options, manual addition of printer driver settings may be necessary.

- Windows Users;
- 1 Click Start then click Execute.
- 2 Press Start and input Control Printers in the search or execution box.
- 3 Press Enter or click OK to open the printer folder.
- 4 Select Printer.
- 5 Select Settings after clicking Printer with the right button of the mouse.
- 6 Click the Device Option tab.
- Add installed hardware options from available options.
- 8 Click Apply.

8. Printer Setting Check

Turning on the printer

- Connect the end of the power cord to the port on the back of the printer and plug the power cord to the properly grounded wall outlet.
- 2 Switch on the printer.

When initial warming-up is complete, the message [Ready] will appear to indicate the printer is ready to receive data.

If the message other than [Ready] appears, see [Understanding Printer Messages] p. 3-15.

- 3 Check your PC and see if other devices are on.
- 4 Move on to the next step.



- Leaving the printer with power switched off for a long time may result in abnormal images.

Printing the System Report Page

Print the system report to see initial settings and check if options are properly installed.

- 1 Check if the printer is on.
- Press the [◄] or [▶] button until [Reports] appears.
 Then, press the [OK] button.
- Press the [◀] or [▶] button until [System Report] appears.
 Then, press the [OK] button.
- If options are not displayed, switch off the device, unplug the power cord, and then install options again.
- 5 Check the tray and paper type.

Printing the Network Report Page

Print the Network Report to check network settings.

See network settings such as IP in the network report to change network settings.

- 1 Check if the printer is on.
- Press the [◀] or [▶] button until [Report] appears.

 Press the [OK] button.
- 3 Press the [◀] or [▶] button until [Network Report] appears. Press the [OK] button.

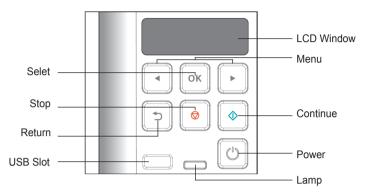
A610 Series User Manual

Using the Printer

5

1. Using the Control Panel

The control panel consists of 1 LCD display window with 2 lines of 16 characters, 7 buttons, and 1 lamp showing the Job status of the printer.



Menu available to use on the control panel has been briefly summarized on the back.

Understanding Colors of Power Button and Lamp

The power button and lamp colors on the printer's control panel indicate a particular status or condition of the printer.

Lamp Color & Printer Status

Lamp	Printer Status
Off	Power has been turned off/Printer is in Sleep mode.
White gradually brightening	Printer is being heated and in preparation.
White turned on	Printer is ON and ready to use.
White turned off	Data processing/Printing.
Red turned on	User should check the printer.

Color of Power button lamp & Printer Status

Power button lamp	Printer Status
Off	Printer is turned off.
White turned on	Printer is ready or in sleep mode.
White repeatedly turned on for 1 second and turned off for 4 seconds.	Printer is in Hibernate mode.

Button

The 6 buttons on the control panel are used to open the printer, change printer setting or to respond to printer messages.



- Button actions are shown on the second row of the LCD display.

Button	Function
\Diamond	Press [�] Continue button to
	Delete message from the control panel (error message, etc.).
	Exit power save mode.
∢ ▶	Press [◀], [▶] buttons to
	• Enter menu.
	Go to the next or previous item in the menu.
	 Press the [◄] or [▶] button to enter the number (ex: number of sheets). Press the button until the desired number appears.
OK	Click on the [OK] button,
	• The menu selected in the second line in the control panel is displayed. The menu depends on the type.
	- When a menu is selected, its item is displayed.
	• If a new menu item is saved, the printer shows [Saving], and then returns to the menu item.
1	Press [つ] Return button to go to the previous menu or menu item.
	Pressing [③] Stop button in [Printing] status will display [Canceling] in the screen and the current printing job will be cancelled.
	Activate Sleep or Hibernate mode. If in Sleep or Hibernate mode, printer returns to Ready mode.
	Press briefly: Sleep mode. Hold and press (more than 2 seconds): Hibernate mode.
	Do the following to cancel Sleep mode. • Send Print from the computer. • Press [①] Power button.
	Do the following to cancel Hibernate mode. • Press [♥] Power button.

2. Understanding the Printer Setting Menu

- Changing printer setting with Printer Setting Menu
- Press [◀] or [▶] button in the [Ready] mode. The menu name is displayed.
- 2 Operate [◀] or [▶] button until the desired menu is displayed.
- 3 Press [OK] button to select the [Menu] or [Menu item] displayed in the second line of the LCD display window of the control panel.
 - A. Select [Menu] to open and show the first setting.
 - B. Select [Menu item] to show its default value. Each menu item has a list of values. They consist of words, phrases, and numbers or On/Off.
- 4 Press [◀] or [▶] button to go to the desired value.
- Press [OK] button to select the value on the second line of the LCD.

 A new value is saved when you press [OK] button. Press [) button to go to the previous menu.

 The additional menu selection is made in the newly designated setting. Press [) button to change it as the last printer setting.

User defined setting are used until new setting are saved or setting are reset to factory setting. Change setting to your environments.

Restoring to Factory Setting

To reset the current setting to the factory default setting, select the factory setting menu from the general setting menu, and follow the steps described below.

Follow the following instructions to restore to the initial factory setting:

- 1 Check if the [Ready] message is displayed with the printer power turned on.
- Press [◀] or [▶] button until [Setting] appears, and then press the [OK] button.
- 3 Press [◀] or [▶] button until [General Setting] appears, and then press the [OK] button.
- Press [OK] button after pressing the [◀] or [▶] button until [Factory Default] is displayed.

 The message [Are you sure?] will be shown on the LCD display.
- The basic settings will appear as No. Press the [◄] or [▶] button to change status to Yes, and click on the [OK] button.

Rebooting will be conducted after [Reinitialize] status, [Ready] will be displayed. Note that all settings will be restored to factory setting.

Printing System Report Page

The system report page shows the current setting (the user-defined setting) such as the menu, currently installed option, usable printer memory, etc. You can check the printer setting through this page. Should you need assistance regarding the LCD display window and buttons, see FUsing the Control Panel J. p. 3-2.

- Turn on the printer and have the [Ready] message displayed in the LCD display window.
- 2 Press (◀) or (▶) button to display [Reports]. Press (OK) button.
- Press [◀] or [▶] button to display [System Report] message is displayed. Press [OK] button.

[System Report Printing] appears while the report is being printed. When the report is printed, the printer is switched to [Ready]. If another message is displayed while the page is being printed,

refer to 「Understanding Printer Messages」 p. 3-15.

3. Cancelling Print Jobs

Cancelling with Buttons on the Control Panel

To cancel a print job under processing, [Printing]must be in display.

- 1 While [Printing] is displayed, press the [♥] button.
- [Canceling...] will appear and the current printing job will be cancelled.
- Cancelling from My Computer
- 1 Double-click the My Computer icon.
- 2 Double-click the [Printer] icon.

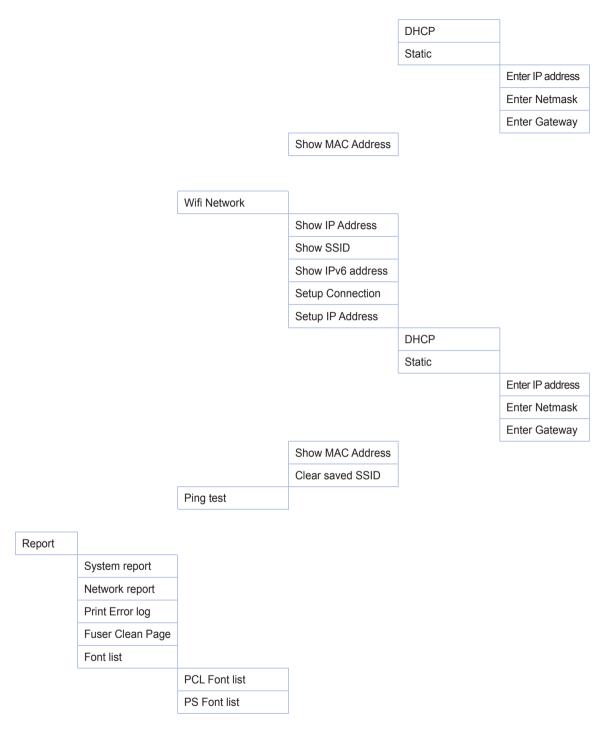
 A list of available printers is displayed.
- 3 Double-click the printer doing the print job.
 The print job list appears.
- 4 Select jobs you want to cancel.



- Instructions for checking printer status may differ by OS.
 For more information, see the User Manual or Help on your OS.
- 5 Press the [Delete] key.

4. Menu

Setting			
	Paper Setting		
		Tray 1 Size	
		Tray 1 Type	
		Tray 2 Size	
		Tray 2 Type	
		Tray 3 Size	
		Tray 3 Type	
		MPT Size	
		MPT Type	
		Paper Texture	
		Paper Weight	
		Default Source	
		Tray Link	
	General setting		
		Power save	
		Language	
		Factory Default	
		Setting readyMsg	
		Time Setup	
		Reset ADJPR	
		Busy P. Sleeptime	
		Idle P. Sleeptime	
		1	
	Print setting		1
		Darkness	
		Print Timeout	
		Setting Priority	
]	
	Network Setting		
		Wired Network	
			Show IP Address
			Show IPv6 Address
			Setup IP Address



USB Memory Print

The menu consists of [Setting], [Report], and [USB Memory Print], [Setting] consists of [Paper Setting], [General Setting], [Print Setting], and [Network Setting].

Paper Setting

Menu	Purpose	Value
Tray N paper size	Tray N paper size setting Note N can be 1, 2 or 3. Tray 2 or 3 is displayed only when optional tray has been installed.	A4, A5SEF, B5, *Letter, Legal, Executive, Statement, US Folio, Quatro, G. Letter, G. Legal
Tray N Paper Type	Tray N paper type setting Note N can be 1, 2 or 3. Tray 2 or 3 is displayed only when optional tray has been installed.	*Plain paper, Transparency, Paper Label
MPT Size	MPT Paper Size Setting	A4, A5 SEF, A5 LEF, A6 SEF, B5, B6, *Letter, Legal, Executive, Statement, US Folio, Quatro, G. Letter, G. Legal, Card 100x148, Card 148x200, Card 200x148, Monarch Envelope, Com9 Envelope, Com10 Envelope, C5 Envelope, C6 Envelope, DL Envelope
MPT Type	MPT Paper Type Setting	*Plain paper, Transparency, Paper Label, Vinyl label, Card Stock, Envelope, Postcard
Paper Texture	Paper Texture setting	Smooth, *Normal, Rough *Normal: default setting Smooth: select this when the texture of the paper is smoother than normal paper → Select when the printing comes out distorted. Rough: select this when the texture of the paper is rougher than normal paper → Select this when toner does not adhere to the printed image. You can select options for each paper type. Select the paper type in "Tray N Type" and "MPT Type".
Paper Weight	Paper Weight setting	Light, *Normal, Heavy *Normal : Default Light: Select if paper is thinner than normal paper. → Select if printing come out distorted. Heavy: Select if paper is thicker than normal. → Select if the toner does not adhere to the printed image. You can select options for each paper type. Select the paper type in "Tray N Type" and "MPT Type".

Menu	Purpose	Value
Default Source	Default Tray Setting	Select the default tray that will feed paper first; *Tray 1, Tray 2, Tray 3 or MPT. Trays 2 and 3 only appear when they have been installed. Tray with the same size and type of paper will automatically be connected. To cancel automatic connection, change tray setting so that each tray has a different setting.
Tray Link	This funtion automatically transfers Tray during "Paper Empty" status regarding Input Tray with same Paper Size & Paper Type settings	*Enable, Disable

(*) is default factory setting.

Default factory setting may be different according to region.

General Setting

Menu	Purpose	Value
Power Save	Time before entering Power Save mode (min.)	*Intelli Powersave, Disable, 1~240 minute Intalligent Powersave allows for different time application according to printing operation of the same time period in the past week. If printing operation occurred, the power save time is applied using Busy P.Sleep- Time and the Idle P.SleepTime is applied for non-operative periods.
Language	Control Panel Language Setting	Korean, *English
Factory Default	Restore initial factory setting	All setting will be cleared. No/Yes
Setup ReadyMsg	Setting displayed on idle screen	No data, *Simple, Detail
Time Setup	Device time setting function	Set current time in order of year, month,day
Reset Intl. PS	Initialization of past printing records related to Intelligent Power save	No/Yes

Menu	Purpose	Value
Busy P.Sleeptime	The set standby time will be applied before going into Powersave mode if any printing operation occurred during the time period of the past week (min)	1~60
Idle P.Sleeptime	The set standby time will be applied before going into Powersave mode if no printing operation occurred during the time period of the past week (min)	1~60

Print Setting

Menu	Purpose	Value
Print Darkness	Print darkness setting	1~10, *6
Print Timeout	Standby time until print job is cancelled (seconds)	0, 20~255, *180, (Function disabled at 0)
Setting Priority	Priority is given to the printer setting or driver setting.	Priority is given to *Driver/Printer

^(*) Asterisk is factory default setting.

Network Setting

Menu	Menu		Purpose	Value
Wired Network	Show IP Address		Show current IP address for this printer	000.000.000.000 ~ 255.255.255.255
	Show IPv6 Address		Show current IPv6 IP address	0000:0000:0000:0000: 0000:0000 ~ FFFF:FFFF:FFFF: FFFF:FFFF
	Setup IP Address	DHCP	Automatically assign IP address	
		Sratic	Enter IP address -> Enter IP address, Net mask and Gateway address. Contact the network administrator for setting details. *For more information, see 「Network Setting」 p. 3-18.	IP address: 000.000.000.000 ~ 255.255.255.255 Netmask: 000.000.000.000 ~ 255.255.255.255 Gateway: 000.000.000.000 ~ 255.255.255.255
	Show MAC Address		Shows the unique MAC address.	00: 00: 00: 00: 00 ~ FF:FF:FF:FF:FF

Menu	Menu		Purpose	Value
Wifi Network	Show IP Address		Show current IP address (IPv4)	000.000.000.000 ~ 255.255.255.255
	Show SSID		Show name of current Wireless AP device	
	Show IPv6 Address		Show current IPv6 IP address of this printer	0000:0000:0000:0000: 0000:0000 ~ FFFF:FFFF:FFFF: FFFF:FFFF
	Setup IP Address	DHCP	Automatically assign IP address	
		Static	Enter IP address -> Enter IP address, Netmask and Gateway address. Contact the network manager for setting details. *For more information, see 「Network Setting」 p. 3-18.	IP Address: 000.000.000.000 ~ 255.255.255.255 Net Mask: 000.000.000.000 ~ 255.255.255.255 Gateway: 000.000.000.000 ~ 255.255.255.255
Show MA		ddress	Show the unique MAC address of the network device	00: 00: 00: 00: 00 ~ FF:FF:FF:FF:FF
	Clear saved SSID		Disconnect from the currently connected wireless AP device. *This item cannot be selected again if the user does not reattempt connection.	



- Use the "SINDOH Network Printer Setup" program to set the IPv6 address.

Report

Menu		Purpose	
System Report		Shows the specification, setting, and mounted option information of the printer	
Network Report		Shows network setting and related information	
Print Error Log		Show log of recent 10 errors	
Fuser Clean Page		Print page for cleaning the fuser unit. - 4 A4 or letter type pages are printed. - You must have 4 or more sheets of A4 or letter paper on the tray. - Top four pages on the tray will be printed in order. - Use 75~90g/m2 for printing. (Check paper on the tray) - Do not use thin/thick/reusable paper. These may cause paper jams.	
Font List	PCL Font List	Print PSL font	
	PC Font List	Print PS font	

USB Memory Print

Please refer to 8. Printing from USB Memory for information related to USB Memory Print (please add link)

5. Understanding Printer Messages

The LCD of the control panel of this printer is designed to display the current status and problems. This chapter describes messages and how to respond to them.

Message	Description	Response
Printing	Printing or receiving data	
Cancelling	Current job is being cancelled.	
Re-insert Cartridge	Cartridge has not been properly installed.	Open the front cover and reinstall the cartridge.
Cover Open	The front cover is open.	Close the cover.
Power Save Mode	The printer is in the [Ready] state for the data receipt and the printer work. In order to reduce power consumption during the idle time of the printer, [Power Save Mode] operates after a certain period of time. [Power Save Mode] message is displayed.	The print job is sent. Pressing the [�] button promptly makes the printer revert to the normal operation temperature, and [Ready] is displayed.
Printing System Report	Printing Menu Setting Page	
Ready	Printer is ready to receive data and [Ready] to print.	Send Job to Printer
Restoring Factory Defaults	All setting are restored to the factory default setting.	

Message	Description	Response
Toner Low	The toner is low.	Shake the toner to use the remaining toner. Replace the cartridge. Press the [①] button to remove the message and continue. Press the [①] button to remove the message and continue. Press the [①] button to remove the message and continue.
Replace Toner Cartridge	Toner cartridge is empty. Replace the cartridge.	Replace with new toner cartridge.
Paper Empty	No paper in the tray.	Load paper on the tray.
1 <xx> Paper Jam</xx>	Paper jammed.	Remove jammed paper.
100 Paper Jam	Paper jammed in MPT.	Check if paper has been properly placed on the MPT.
101 Paper Jam	No paper supplied from Tray 1.	Check if paper is properly loaded in Tray 1.
102 Paper Jam	No paper supplied from Tray 2	Check if paper is properly loaded in Tray 2.
103 Paper Jam	No paper supplied from Tray 3.	Check if paper is properly loaded in Tray 3
104 Paper Jam	Jam inside of printer.	Open the front cover, pull out the cartridge and remove the jammed paper from the feeder.
105 Paper Jam	Jam inside of printer.	Open the front cover, pull out the cartridge and remove the jammed paper from the feeder.
106 Paper Jam	Jam in exit area.	Open back cover and remove jammed paper from the exit area.
107 Paper Jam	Jam inside of duplex.	Open duplex cover and remove jammed paper from duplex feeder.

Message	Description	Response
Replace Drum Ctg.	Replace drum cartridge.	Replace the cartridge with a new one and reset the drum cartridge counter to have the message disappear. Reference If you do not replace the cartridge, quality problems may occur.
Drum Ctg. Life End	This drum cartridge is empty. Replace cartridge.	Device disabled. Replace with a new drum cartridge. Replace the cartridge with a new one and reset the drum cartridge counter to have the message disappear.
Insufficient Memory	The original exceeds print capacity.	Separate the original for printing.
Output Tray Full	The output bin is full of paper.	Move the printed paper to another place.
Finding	Available wireless APs are being searched	Wait until available wireless APs are found.
Connecting	The connection to the selected wireless AP is being made.	Wait until the connection is made
Not Found	No available wireless AP.	Check the wireless AP. If the wireless AP is normal, put it closer to the device.
Wifi Conn. Fail	Failed to connect to the wireless AP.	Check the wireless AP you want to use. If a password has been entered, check that the password is correct.
Password Needed	Enter the password to the wireless AP.	Ask the network administrator for the password for the wireless AP.
Wifi Not Connected	No wireless AP is connected.	Connect to a wireless AP to use wireless netw ork. See 「Network Setting」 on p. 3-18 for connecting method.
Other Messages with Numbers	Check if options are properly installed. If you are not a printer technician, contact the Customer Support Center (12 1588-5850) or your place of purchase.	 △ Warning - 3XX messages are critical. Be sure to contact the Customer Support Center (☎ 1588-5850)or a printer technician.

6. Network Setting

First, you must set the IP address for network print and control. Basic network set-up can be performed using the "SINDOH Network Printer Setup" software program in the control panel of the product or the enclosed CD.

Wired Network Setting

First, you must set the IP address for network print and control. The DHCP server automatically allocate or fix the IP. Also, the IP address can be manually set.



- Use the "SINDOH Network Printer Setup" program to set the IPv6 address.

Using the Control Panel

- 1 When the printer is ready, press the [◄] or [►] button.
- Press [◄] or [►] until setting appear, and then press the [OK] button.
- 3 Operate in the order of: Network Setting -> Wired Network -> Setup Connection.
- 1 IP Automatic setting: select DHCP and press the [OK] button.
 - ② IP Manual setting: select Static, enter the IP Address, Netmask, Gateway suitable for the network in use, and press the [OK] button.



- Use "SINDOH Network Printer Setup" program to set the IPv6 address.

IP Manual Setting

Follow the below instructions to enter the IP address:

① Use [◀] or [▶] to select Network Setting -> Wired Network -> Setup IP Address -> Select Static.



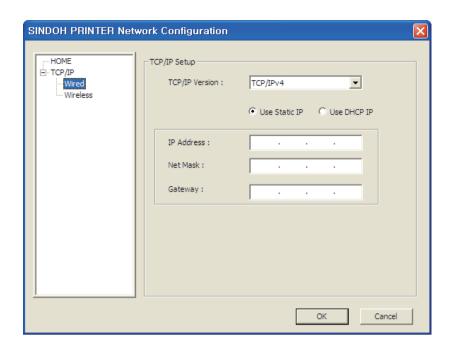
- ② In the window above, change the figure with the [◀] or [▶] button.
- ③ Press the [OK] button to show the current values and move to the next step.

```
Enter IP Address
010. . .
```

- 4 Repeat 2 and 3 to enter the 12-digit IP address.
- ⑤ If you want to use the default value, '0', press the [OK] button.
- © Enter the last digit of the IP address, and then press the [OK] button to save the IP address and go to the upper menu.
- ⑦ To correct the number, press the [♠] button. You will move back through the numbers one by one.
- To cancel all, press the 【
 I button. You will go to the upper menu.
- (9) Enter 12-digit address using the same method for Netmask, Gateway, etc.
- ① To maintain the current setting of the IP Address/Netmask/Gateway, press the [①] button.
 The current setting is maintained and the dialog changes to the next entry input.

Using Network Setting Software:

- 1 Connect the USB cable, and then turn on the device. At this point, the printer must not be connected to the device via the USB cable.
- 2 Run the network setting utility software "SINDOH PRINTER Network Configuration."
- 3 In the left window, go to [TCP/IP → Wired].
- 4 For IPv4, select TCP/ IPv4; for IPv6, select TCP/IPv6.
- ① IP Automatic Setting(DHCP): Select [Use Static IP] and then press the [OK] button.
 - ② IP Manual Setting: Select [Use DHCP IP] to enter network setting, and then press the [OK] button.





- In the control panel, you can print the Network Report.
- If "SINDOH A610 Series Printer Status Monitor" connected via the USB port is running, you cannot use the network setting program(SINDOH Network Printer Setup).
 If "SINDOH A610 Series Printer Status Monitor" connected via the USB port is currently running on the bottom left tray of your PC, close it and run the network setting program.

Wireless Network Setting

An additional Wifi device is required for accessing wireless network setting(sold separately)

Wireless Network Connection

- 1 When the printer is ready, press the [◄] or [►] button.
- Press [◀] or [▶] until setting appear, and then press the [OK] button.
- 3 Go to Network Setting -> Wifi Network -> Setup Connection.
 Press [OK] in Connection Setting to search Wireless networks.
- 4 Available wireless network devices are displayed.

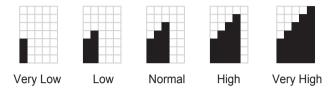
 Select the wireless network AP(SSID), and then press the [OK] button.

E.g. When the wireless AP (SSID) is "A60x AP" it is displayed as follows.



In front of the AP (SSID), the reception level is displayed.

There are five reception levels.





- If reception is very poor, the wireless AP will not be found. Although it may be found on other devices, it may not be found on this product.
- 15 ① If there is no security setting, wireless network setting is complete.
 - ② If the wireless AP has security setting, the wireless network security window appears.

WEP:

Enter the WEP security key for authentication. If a connection is successfully made, wireless network setting is complete.



- For WEP, the 64-bit or 128-bit WEP encryption key is used.

WPA/WPA2:

Enter the WPA key. If a connection is successfully made, wireless network setting is complete.



- Just as with WEP, WPA uses TKIP (Temporal Key Integrity Protocol) and AES(Advanced Encryption Standard) for data encryption.

Enterprise WPA/Enterprise WPA2 (Wireless IEEE802.1x&EAP):

In the case of enterprise WPA/enterprise WPA2, for user authentication, you must enter the user ID and password. See "Entering Wireless Security Password" and follow the LCD message to enter the user ID and password. If a connection is successfully made, wireless network setting is complete.

Entering Wireless Security Password

Enter the IP according to the procedures below;

- ①When the password window appears, enter the password to access the wireless AP. There are four character groups for your convenience: number $(0 \sim 9)$, lower case $(a\sim z)$, Upper case $(A \sim Z)$, and symbol (@, #, %, etc.).
- ② Press the [♠] button to switch to the character group. The group appears in order of : number -> lower case -> upper case -> Symbol -> "←".
- ③ In each character group, select desired characters using the [◄] and [▶] button.
 If the desired number or character appears, press the [OK] button.

```
Password Needed
0 . . .
```

- 4 Repeat 2 and 3 to enter the wireless AP password.
- ⑤ After entering the password, press the [♠] or [♠] button to move to the character group. While "←" is displayed, press the [OK] button to access the wireless AP with the SSID.
- ⑥ To cancel input, press the 【 つ】 button. You will go to the upper menu.



- For your convenience, each password character is displayed. Be careful not to expose the wireless AP password to others.

IP Address Setting

First, you must set the IP address for network print and control. The DHCP server can automatically allocate or fix the IP. Also, the IP address can be manually set.



- Use the "SINDOH Network Printer Setup" Program to manually set an IP address in IPv6 mode.

Using the Control Panel

- 1 When the printer is ready, press the [◀] or [▶] button.
- Press [◀] or [▶] until setting appear, and then press the [OK] button.
- 3 Go to Network Setting → Wireless Network → Setup Connection.
- 1 IP Automatic Setting: Select DHCP, and then press the [OK] button.
 - ② IP Manual Setting: Select Static to type in the IP address, Netmask and Gateway, and then press the [OK] button.

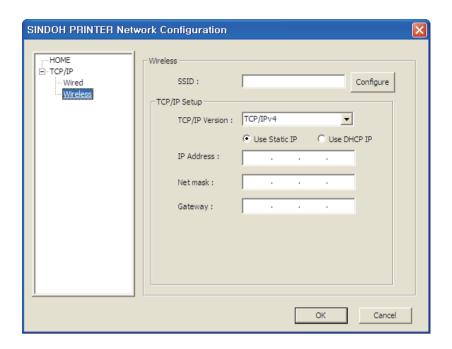
To set the IP address manually, see [Method for Manual IP Set-up] p. 3-18.



- Use the "SINDOH Network Printer Setup" Program to manually set an IP address in IPv6 mode.

Using the Network Setting Program

- 1 Connect the USB cable and turn on the device. The printer should not be connected to the device via USB cable.
- Run the network setting utility, "SINDOH Network Setup"
- 3 In the left window, go to [TCP/IP -> Wireless].
- For IPv4 configuration, select TCP/IPv4; For IPv6, select TCP/IPv6.
- 1 IP Automatic Setting(DHCP): Select [Use Static IP], and then press the [OK] button.
 - ② IP Manual Setting: Select [Use DHCP IP] to enter network setting, and then press the [OK] button.





- In the control panel, you can print the Network Report.
- If "SINDOH A610 Series Printer Status Monitor" connected via the USB port is running, you cannot use the network setting program (SINDOH Network Printer Setup).
 If "SINDOH A610 Series Printer Status Monitor" connected via the USB port is currently running on the bottom left tray of your PC, close it and run the network setting program.

When the device is shipped from the factory, its default network setting uses automatic configuration, by which an IP is automatically assigned. To change network setting to fixed IP (Manual setting), contact your network administrator. If the IP address is selected arbitrarily, the device may not be connected to the network.

7. Changing the Print Setting of the Print Driver

You can change setting of the printer driver to use preferred functions.

This section describes functions of the printer driver in detail and provides instructions.

Here, you will be guided on how to utilize the functions of the printer driver and answer any questions you may have. For easy understanding, functions are explained by each tab of the printer driver. You can also read the same instructions with the Help function of the driver.

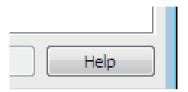
Entering Default Print Setting

For Windows Users

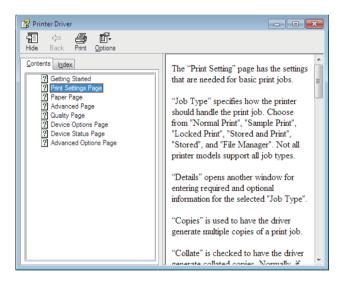
- 1 Click Start and click Run.
- 2 Press Start and type "control printers" in the box.
- 3 Press Enter or click OK to open the printer folder.
 Or Follow the below instructions.
 - Click Windows Start menu.
 - Window 2000: Select Setting > Printer.
 - Window XP/2003: Select Printer and Fax.
 - Window 2008/Vista: Select Control Panel > Hardware and Sound > Printer.
 - Window 7: Select Control Panel > Hardware and Sound > Device and Printer.
 - Window Server 2008 R2: Select Control Panel > Hardware > Device and Printer.
- 4 Select SINDOH A610_615 Series(OR A611_617).
- Fight click SINDOH A610_615 Series(OR A611_617) with your mouse.
- 6 Window XP/2003/2008/Vista: Click Print Default Setting.
 Window 7, Window Server 2008 R2: Click Print Default Setting from each menu.

Using Help

- 1 Open the Default Print Setting window on the computer and press the [F1] key on your keyboard.
- 2 Or click [Help] in the right bottom of the window.



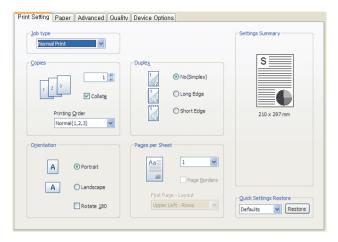
3 Select "1" and "2" to open the help window on functions provided by the driver.



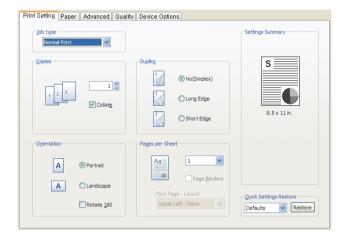
Using Advanced Tab Functions

Functions in the Print Setting Tab

Available functions are "Job Type", "Copies", "Orientation", "2 - Booklet" and "Pages per Sheet". Open the Default Print Setting window to select the print setting tab to change print setting.



(SDAPL Printer Driver)

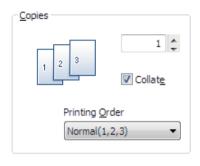


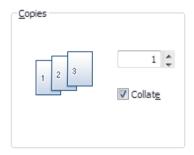
(PS3, PCL5e/6 Printer Driver)

Copies

The driver allows you to print multiple copies. Also, it is possible to collate multiple copies into sets.

In sequence open the default print setting window to select the print setting tab to change below print setting.





(SDAPL Printer Driver)

(PS3, PCL5e/6 Printer Driver)



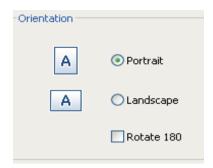
- For the printer models applicable for a specific driver, see the descriptions of the emulation in p. 1-2.

Description

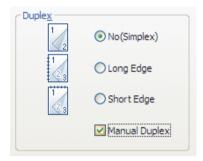
- Copies
 - You can enter the number of copies you want Adjust using up/down arrows.
- Collate
 - Check to print one set. Generally, if you are making two copies of three pages, 2 copies of page 1, 2 copies of page 2, and 2 copies of page 3 will be printed. If you select Collate, Pages 1, 2, 3 will be printed and pages 1, 2, 3 will be Printed. The application precedes this setting and can provide this function.
- · Printing Order
 - Available functions are "Normal", "Reverse", "Odd Page" and "Even Page".
 - * This function is available for the SDAPL printer driver only.

Print Orientation

You can set paper orientation. In "Portrait" mode, pages are printed with the short side facing the top. In "Landscape" mode, the long side of the paper faces the top. Most applications provide "Page Setting" for setting paper orientation, which precedes this setting. You can select "180 rotation" to rotate the page by 180 degrees if necessary. To change the following print setting, open the default print setting window and select the print setting tab.



You can print on both sides of the paper. Select the binding direction of the paper before printing.



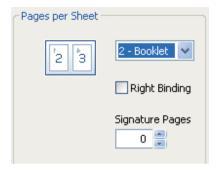
- Instructions
- 1 Select orientation.

Image	Orientation	Description
1 2	1 Side Print	Print on one side(general).
1 23	Portrait	Typically used for books.(Turn pages by the long side)
1 23	Landscape	Layout used for calendars

- 2 Click the paper tab to select paper size, source and type.
- 3 Click OK or Print before exiting the window.

2-Booklet Printing

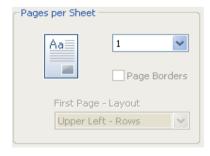
With this function, you can do duplex(2-sided) printing and then bind printed pages into a book.



- How to Use
- Select 2-Booklet in the Pages per Sheet.
- 2 Click the paper tab to select paper size, paper source and paper type.
- 3 Click OK or Print before exiting the window.
- Fold paper in half and bind it. (You can cut paper in half and bind it.)

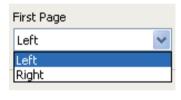
Pages per Sheet

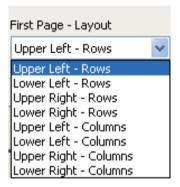
Multiple pages can be printed on one sheet. If the number of pages to be printed is less than that of pages designated for the sheet, blank pages are printed. The booklet is a special format of 2-up. In booklet printing, fold output pages to make a book. If poster print is selected in the image driver, "Pages per Sheet" cannot be selected. Open the Default Print Setting window to select the print setting tab to change below print setting.



Description

- Number of Copies for Pages per Sheet
 - Select the number of copies for Pages per Sheet
 - * SDAPL Printer Driver: 1Sheet, 2Sheet, 4Sheet, 6Sheet, 8Sheet, 9Sheet, 12Sheet, 16Sheet, 25Sheet
 - * PS3, PCL5e/6 Printer Driver: 1Sheet, 2Sheet, 4Sheet, 6Sheet, 8Sheet, 9Sheet, 16Sheet
- Page Borders
 - Check Page Borders to print the page edge on the paper.
- · First Page Layout
 - From page 2, it can be set. Left and right are available for page 2.
 - For page 4 to 25, rows (top/bottom left, top/bottom right) and columns(top/bottom left, top/bottom right) are available.



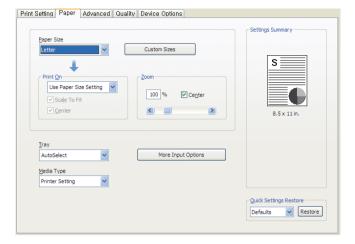


[Page 2]

[Page 4 ~ 25]

Paper Tab

Available functions are "Paper Size", "Print On", "Custom Size", "Zoom", "Tray", "Media Type" and "More Options". To change the setting below, open the Default Print Setting window to select the paper setting tab.

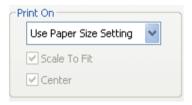


Print On

Regardless of the size of the original, you can print the document to desired paper size.

Useful options(Fit to Paper and Center) are available.

Open the Default Print Setting window to select the paper setting tab to change below print setting.

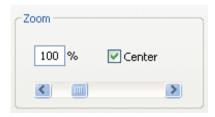


Zoom

You can zoom in or out the document. Type in or use left/right arrow to decide the zoom ratio.

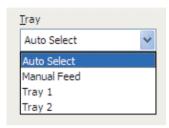
Click Center to place the document at the center of paper.

Open the Default Print Setting window to select the paper setting tab to change below print setting.



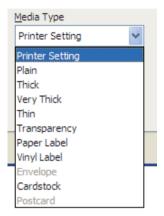
Tray

User can select the paper tray to use for printing. You will only see the options "Auto select", "Manual Feed" and "Tray1". "Tray2 and 3" are optional. If "Tray 2 and 3" are installed, user can select this from the Tray part of the paper tab after installing "Tray2 and 3" in the "Device Setting" tab. Open the Default Print Setting window to select the paper setting tab to change below print setting.



Media Type

User can select the type of paper.



1) Printer Setting: follow the printer setting from the printer setting and driver setting. Check current setting in Print Setting - Setting Priority.



- For paper types 2) ~11), make sure you change the driver setting in Print Setting Setting Priority.
- 2) Standard paper: select this when using standard paper.
- 3) Thick paper: select this for thick paper or when toner does not adhere properly to images printed.
- 4) Very Thick paper: select this when toner still does not adhere properly to images printed after selecting Thick Paper.

- 5) Thin paper: select this when using thin paper or when prints come out distorted or paper is crinkled.
- 6) Tracing paper: select this to print on tracing sheet(OHP).
- 7) Label paper: select this for printing on label sheets.
- 8) Vinyl label: select this for printing on vinyl labels.
- 9) Envelope: select this for printing on envelopes.
- 10) Card stock: select this for printing on card stocks.
- 11) Postcard: select this for printing on postcards.

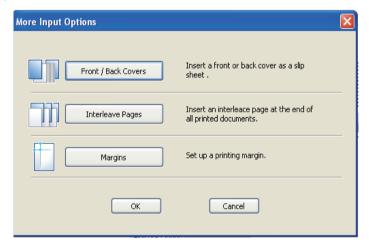


- If the select icon is not activated, the tray selection may be incorrect.

Check the tray selection again.

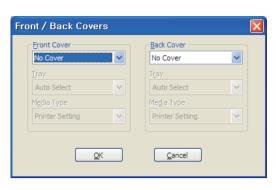
More Options

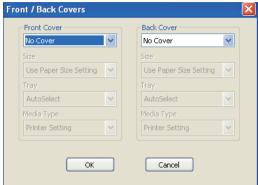
More options that are available are: "Front Cover", "Back Cover", "Slip sheets", "Margins" and "Shift From Binding". To change the following print setting, open the Default Print Setting screen, click the Paper tab and click the More Options button.



Description

- · Front / Back Cover
 - With "Front Cover" you can select the tray and paper type. This option provides a blank or printed cover(not available for SDAPL printer drivers). The Front Cover function cannot be used together with duplex printing and poster printing.
 - With "Back Cover" you can select the tray and paper type. This option provides blank cover or printed cover(not available for SDAPL printer drivers). The back Cover function cannot be used together with duplex printing and poster printing.



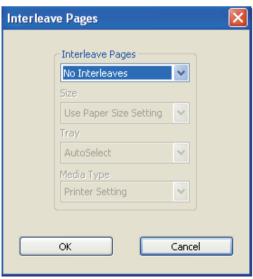


(SDAPL Printer Driver)

(PS3, PCL5e/6 Printer Driver)

- Slip sheets
 - Insert an additional page after each printed page.
 - You can select a different paper type or another tray for slip sheets.
 - Slip sheets can be a blank page or a duplicate of a printed page.
 - Slip sheets should be the same size as the printed pages.
 - If "Pages per Sheet" is set as 2-Booklet in the Paper tab, you cannot add the Use Slip Sheets option.





(SDAPL Printer Driver)

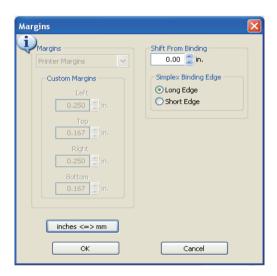
(PS3, PCL5e/6 Printer Driver)



- To see which devices can be used for your printer driver, read Emulation on p. 1-2.

Margin

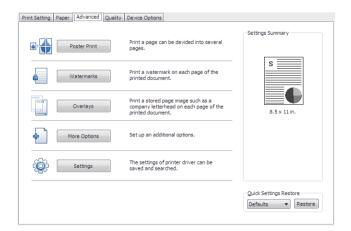
- You can modify the minimum margin. To use the default margin, select "Printer Margin".
 To use the margin of your choice, select "Custom Margin". A custom margin cannot be smaller than the default margin. You cannot use custom margins if 2-Booklet has been selected in "Pages per Sheet".
- The custom margin cannot be modified for the document to be printed. You can only make modifications in Default Print Setting in Printer & Fax folder.



Advanced Tab

"Poster Print", "Watermark", "Overlay", "More Options" and "Setting" are available.

To change the following print setting, open Default Print Setting page and click Advanced Tab.

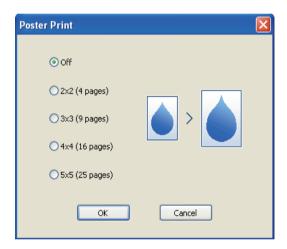


Poster Print

In Poster Print, you can select a page to be enlarged and printed on multiple pages. The printed pages can be placed side by side to form one large poster. This function is disabled when you select More than One Page on Each Sheet, Booklet, Front Cover, Back Cover, Slip sheet or Inserted Page (Front/Back Cover). With Poster Print function, you can print your page on 4, 9. 16 or 25 pages then join them to make one large poster.

How to Use

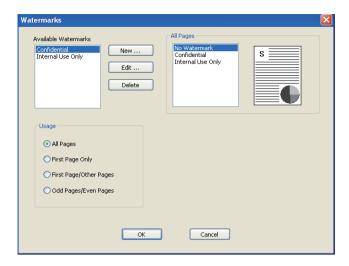
- Select desired page layout (Available layout).
 - Poster 2x2: The document is enlarged into 4 pages.
 - Poster 3x3: The document is enlarged into 9 pages.
 - Poster 4x4: The document is enlarged into 16 pages.
 - Poster 5x5: The document is enlarged into 25 pages.



Watermark

With this option, you can print text in the background of an existing document. For example, you can print "Confidential" or "Internal Use Only" on the first page or on all pages in blurred, large font.

This product provides several watermarks. They can be edited or you can add a new watermark.

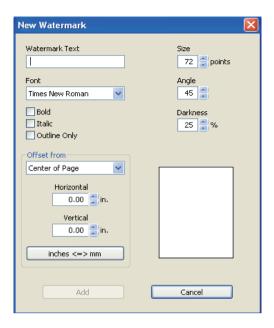


How to Use

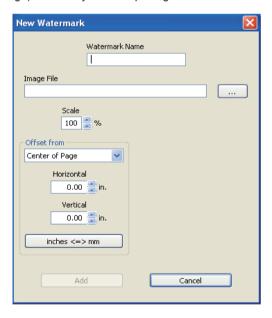
- Basic Watermark
 - Select a watermark from the list. You can see the watermark in Preview.
 - Click OK or Print before exiting the print window
- Custom Watermark
 - Select Create New in the watermark list.
 - The new watermark type window appears. Select Text Watermark or Bitmap Image Watermark.



Text String Watermark: Type in your text in the message box.
 You can enter up to 63 characters. Preview is available. You can also select options for the font such as Bold, Italic, Print Outline Only, Size, Angle, Contrast, and Offset Starting Point.



- Bitmap Image Watermark: You can enter the name of the watermark, insert a BMP image or adjust the ratio. You can also adjust the offset starting point (Center, Tile, Top Left Corner, Top Center, Top Right Corner, Right Side Center, Bottom Right Corner, Bottom Corner Center, Bottom Left Corner, Left Side Center, Fit to Page) to create your bitmap image watermark.



- Click Add to add the new watermark to the watermark list.
- Click OK or Print before exiting the print screen.

Edit Watermark

- Click Edit in the "Available Watermark" list. Edit Watermark screen will appear. (See the Watermark List screen.)
- Select a desired watermark from the watermark list and modify the message and options.
- Click Change to save changes.
- Click OK or Print before exiting the print screen.
- Delete Watermark
 - Select a desired watermark and click Delete from the watermark list. (See the watermark list screen.)
 - Click OK or Print before exiting the print screen.
- Select Apply Watermark

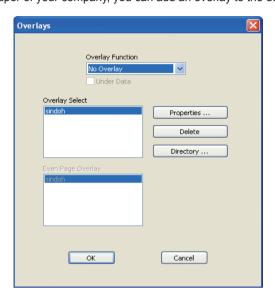


- All Pages: Apply the existing or newly-created watermark to all pages.
- First Page Only: Apply the existing or newly-created watermark to the first page only.
- First Page / Other Pages: Apply the existing or newly-created watermark to the first page and other pages respectively.
- Odd No. Page / Even No. Page: Apply the existing or newly-created watermark to odd number pages and even number pages respectively.

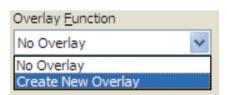
Overlay

You can save an overlay in your hard disk drive and paste on your document before printing.

An Overlay is used instead of a template paper. You can use an overlay same as a ready-made template. Instead of loading template paper of your company, you can add an overlay to the document and print.



- Create New Overlay: To use an overlay, create a new overlay with details you want to include.
 - Open a file to be used as the overlay (document to be overlaid on the original).
 - Open Default Print Setting to change print setting from the software application.
 - Click the Advanced tab to select Overlay and select an item from the list.
 - Click Overlay and select Create New Overlay.



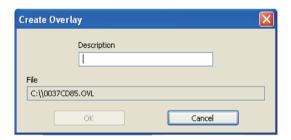
- Click 'Save to' to select location and click Print.



- Overlay Directory (e.g. To save the overlay on Drive C, type in "C:\". A new overlay will be created in C:\.)

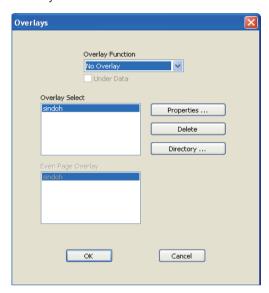


Click OK to open Create Overlay window. Type in overlay description in the Description field.
 Check the name of the overlay file and click OK.
 (e.g. The file name is 005AD859.OVL.)



- Print the overlay document.
- The overlay is printed on the corresponding location.

- Using an Overlay
 - Open the file where the overlay will be applied.
 - Open the overlay function to see the created overlay.
 - Select an overlay in 'Select Overlay' and click OK. In Properties, you can see overlay properties, delete an overlay and see the saved location. You can select a different overlay for each page if you have more than two overlays.

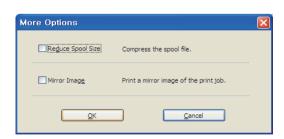


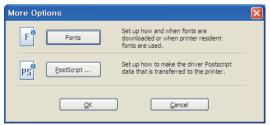
- Click OK or Print before exiting the print screen.

More Options

You can open the window for more options:

"Fonts" for the PDL driver, "PostScript" for the PostScript driver, "Mirror Print" for the image driver, and "Reduce Spool Size" for the image driver.





(SDAPL Printer Driver)

(PS3, PCL5e/6 Printer Driver)



- To see which devices can be used for your printer driver, read Emulation on p. 1-2.

Description

- Reduce Spool Size: The spool size of the image driver is reduced by compression.
- Mirror Image: You can print a reverse version of the original as though looking into the mirror.

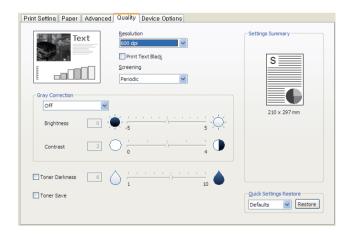
Setting

You can save current setting, restore previous setting, or reset to the default setting.



Print Quality Tab

Available options are "Resolution", "Print Text Black", "Screening", "Gray Correction", "Toner Darkness", "Save Toner". To change below print setting, open Default Print Setting and click the print quality tab.



Resolution

You can select a different resolution for your print job. With this option you can select the resolution Dots per Inch (DPI or dpi). High resolution provides better print quality but takes longer to send the job to the printer and to print. Higher resolution requires more memory space. If you see an "Out of Memory" error, you must select a lower resolution. Available options are 600dpi, 1200dpi, and Photo 1200dpi.



Print Text Black

You can print all texts in black regardless of the color you had selected in the application.



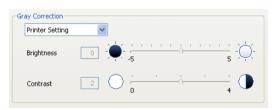
Screening

Available options are "Periodic" or "Error Diffusion".



Grey Correction

You can adjust the contrast and darkness of your document. Using User Setting, you can adjust the brightness and contrast. Default brightness is 0 and default contrast is 2.



Toner Darkness

You can adjust toner contrast level.



Toner Save

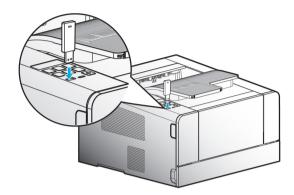
You can reduce the amount of toner used for printing.



8. Printing from USB Memory

To print from USB memory

1 Insert USB memory into the printer.



- Press [◀] or [▶] to open the menu
- 3 Press [◀] or [▶] until you see [Print USB Memory] and click [OK].
- 4 Files or folders in the USB memory that are ready to be printed will appear on the LCD.
- Use [◀] or [▶] to find the file you wish to print.

 Click [♠] when you see the file.
- 6 Begin printing of the file.



- To enter a sub folder, click [OK] when you see the name of the folder on the LCD.
- Files that can be printed are image files such as PDF, JPG or BMP.
- Some files may not be opened depending on the compression method.

A610 Series User Manual

Printer Management

1. Maintenance of Consumables

Consumables Status

The LCD indicates the consumables necessary for replacement

In [Reports] you can print a [System Report] page to check the status of consumables. (Press [◀] or [▶] until you see [Report] and press [OK] button. Press [◀] or [▶] until [System Report] appears and press [OK] to print the system report page.)

You will see the remaining amount of toner under "Toner remain life in percent".

You will see the remaining drum life under "Drum remain life in percent".

Remaining amounts displayed are estimates based on consecutive printing of images(ISO/IEC 19752) that take up 5% in a normal environment(image on 5% of page). If images are not printed in a normal environment or low in density, the remaining amounts displayed may not be accurate.

2. Printer Maintenance

To keep your printer in a good condition, regularly remove the cartridge and clean the printer.

For more information, see Cartridge Replacement p. 4-5 and Device Cleaning p. 4-11.

If the printer is used by several users, designate one responsible for device maintenance.

Saving Consumables

Save consumables to reduce printing costs.

You can save toner or paper using an application or settings.

Go to [Print Settings] -> [Darkness] to decide toner darkness.

You can adjust darkness from 1 (lightest) to 10 (darkest).

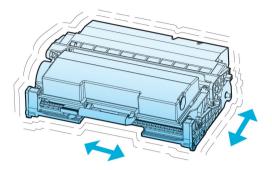
For more information, See [Print Settings] p. 3-11. You can also save toner by adjusting toner darkness in the printer driver.

Ordering a Consumable

To order consumables, contact or visit your place of purchase.

Ordering a Cartridge

If [Toner Low] is displayed, order a new cartridge. If the output is not clear when [Toner Low] is displayed, remove the cartridge from the printer and gently shake the cartridge back and forth. You will be able to use the cartridge for a little longer. However, it is recommended that you replace the cartridge as soon as possible.



Available cartridge capacities are 3,500 sheets, 6,000 sheets and 12,000 sheets. They are based on the average use (5% printing). Check the information on the product warranty regulations for more information.



If you continue to use the device after [Toner Low] has been displayed without replacing the cartridge,
 [Change Toner cartridge] is displayed and the device will stop.
 Replace with a new cartridge.

Storing a Cartridge

Keep cartridge sealed before installing.

Do not store cartridge in following conditions.

- 40 °C (104°F)or higher
- · Rapid changes in temperature or humidity
- Salty air
- · Long time in the car.
- Dirty place
- Direct sunray
- Corrosive gas

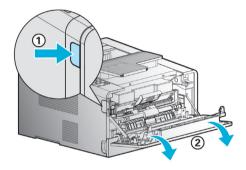
3. Replacing Cartridges



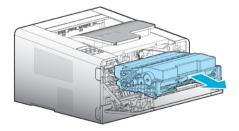
- It is recommended NOT to use a refill cartridge that is not a genuine part. Otherwise, print quality and compatibility cannot be guaranteed. Use a genuine product to maintain the best condition.

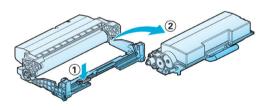
Removing a Used Toner Cartridge

- 1 Switch off the printer.
- 2 Press the unlock button (1) on its left side to open the front cover (2).



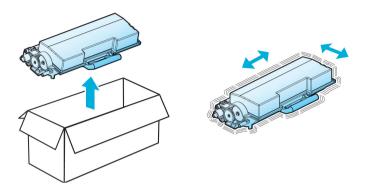
Pull out the cartridge from the device, and then press the toner cartridge removal button (①) to remove the old cartridge (②). Dispose of the old cartridge according to regulations.





Pull out the new toner cartridge from the box.

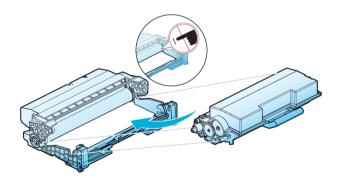
Gently shake the new toner cartridge to distribute toners evenly within the cartridge.



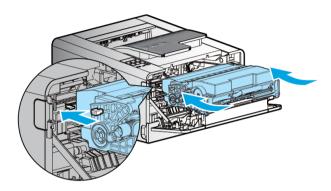


Damage Risk

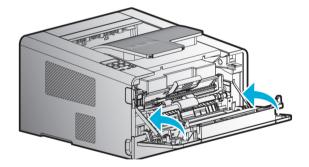
- Do not expose the drum cartridge to direct sunlight for a long time.
 Long term exposure to direct sunlight may damage the photoconductor's coating film, causing print quality problems.
- Hold the handles of the toner cartridge, align the tabs (white) of the toner cartridge on either side with the track (arrow sticker) of the drum cartridge, and push the toner cartridge into the drum cartridge. The toner cartridge is properly installed into the drum cartridge when you hear a click.



- 6 Follow the steps below to install cartridge.
 - A. Hold the handle of the cartridge. (Back of your hand facing down.)
 - B. Align the hooks on either side of the cartridge at the front (arrow sticker) with the guides (arrow sticker) of the printer.
 - C. Push the cartridge into the printer until you hear a click.



7 Close the front cover

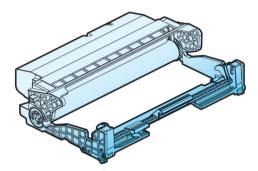


- Check if the MPT is closed when closing the front cover. If the front cover is closed with the MPT open, it may cause malfunction.

Drum Cartridge Replacement

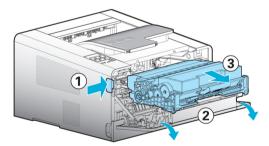
Printer displays [Replace Drum Ctg.] on the LCD to give notice automatically before the drum cartridge reaches its life. You can print the menu setting page to check the status of the drum cartridge. (If you change the drum cartridge before resetting the drum cartridge counter, the menu page may not present the status of the drum cartridge correctly).

When [Replace Drum Ctg.] appears on the LCD for the first time, you must replace the drum cartridge immediately. After the drum cartridge reaches its life, the device can operate for some time but print quality drops significantly.

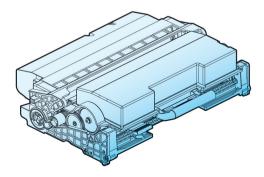


- 1 Switch off the printer.
- Press the unlock button (1) on the left side of the printer to open the front cover (2).
- 3 Hold the handle to pull out the cartridge.

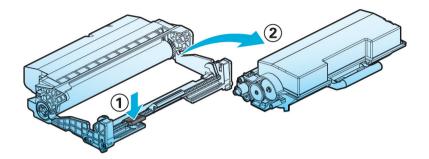
 (Be sure to hold handle with the back of your hand facing up)



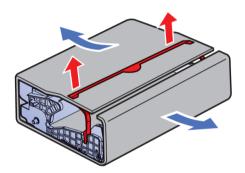
4 Place the cartridge on the level and clean surface.



5 Press Unlock Toner Cartridge (①) and hold the handle of the toner cartridge (②) to pull out the toner cartridge.



6 Pull out the new drum cartridge from its box and remove the protect cover. Be careful not to touch the drum of the drum cartridge or other objects.

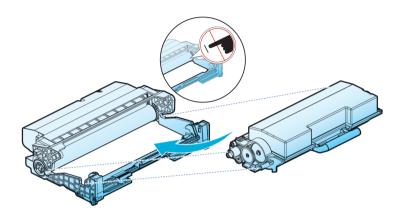


- After removing the protective cover, lay a sheet of paper on the work bench and put the drum on the paper to prevent damage to the drum surface.

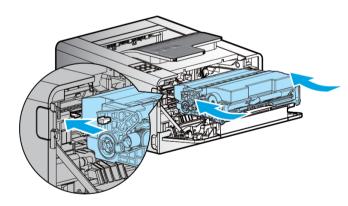
.

Mold the handle of the toner cartridge and place the tabs on either side (white) on the drum cartridge tracks (the parts with the arrow stickers). Push it to the front and gently press down to install the new cartridge in the drum cartridge.

If the toner cartridge hooks into the drum cartridge with a click, it has been properly installed. Do not touch the photoconductor on the bottom of the drum cartridge.



- 8 Follow the steps below.
 - A. Hold the handle of the cartridge. (Back of your hand facing up)
 - B. Align the front hooks (arrow sticker) of the cartridge to the guides (arrow sticker) of the printer.
 - C. Push the cartridge into the printer until you hear a click.



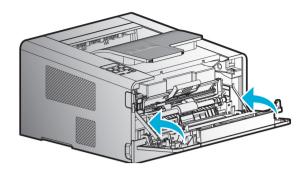
9 Reset the drum cartridge counter after replacing the drum cartridge. For more information, see the guide enclosed with the new drum cartridge



Damage Risks

 If you reset the drum cartridge counter without replacing the drum cartridge, the device may be damaged and contaminated, which is not covered by the warranty.

10 Close the front cover.

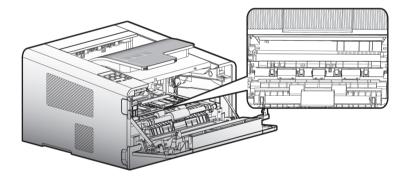




- Check if the MPT cover is closed when closing the front cover. If the front cover is closed with the MPT cover open, it may cause printer malfunction.

Cleaning the Printer

Gently wipe the hidden part with clean, lint-free cloth towards the front of the printer.





- Do touch the transmission roller or the plastic sensor.

Replacing Fuser Cleaning Roller

Replace dirty fuser cleaning roller as explained below.

Please contact or visit your place of purchase.

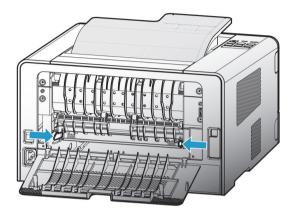


- Make sure to switch off the power before replacing the roller. Operating the machine during replacement may cause serious damage.
- The fuser unit with the cleaning roller is extremely hot. Cool down the machine before replacing the roller.

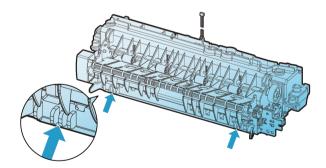
- Do not operate the machine without the cleaning roller. Operating the machine without the roller may cause serious damage.

Open back cover and replace the cleaning roller.

Hold the cleaning roller by the handles on both side and press to eject.



- After removing the cleaning roller, do NOT insert your hand or other objects inside the square groove where the roller had been installed.
- 2 Place the new cleaning roller as shown below and press the places marked by arrows to install.



4. Guidelines on Printer Paper

You can avoid potential problems by selecting appropriate paper.

See the card stock or the label paper for the special paper.

To print non-standard size paper, set up the paper size using the "Custom Paper Size" setting function of the printer driver. (See 「Paper Tab」 p. 3-32)

The actual size can be set in the application program.

Paper

For best quality, use 75g/m2 long-textured transfer paper.

Test print before purchasing in large quantities.

A laser printer raises the temperature of standard paper up to approximately $180\,^{\circ}\mathrm{C}(356\,^{\circ}\mathrm{F})$. Use paper that can endure high temperature without color smudging, running down or being released. Check with the paper manufacturer or supplier whether the paper is suitable for use with a laser printer.

The Sindoh paper is suitable for a laser printer.

Paper stacking up on the output bin may cause paper jams.

Regularly remove piled up paper from the output bin.

Do not use the following types of paper.

- · Paper with rough surface and large texture pattern
- Easily erasable coating paper
- · Form divided into many pieces
- Synthetic chemical paper
- Chemically manufactured paper that may discolor the printer
- · Thermal printer paper

Tracing Paper (OHP)

- Use OHP that does not melt, discolor or discharge any harmful substances at 175 ℃ (347 °F) or lower. Make sure the pages are not stuck together before feeding the tracing paper (OHP).
- For high quality results, be careful not to get your fingerprints on the paper.
- Shake the tracing paper (OHP) to avoid the sheets sticking together and to separate them.
- Set the paper setting to Tracing Paper (OHP) in the printer driver to prevent adverse effect on the printer.

Envelope

You can feed up to 5 envelopes into the MPT.

Use envelop made with 75 - 90g/m2 (20- 24lb) of quality paper.

Do not use the following types of paper.

- · With metal rings, binding thread, or binding rings
- Stuck together
- · Damaged in any form
- Bent sharply
- · With holes, cuts, or sashes
- With a mail stamp
- With adhesive material applied on the fold of the envelope

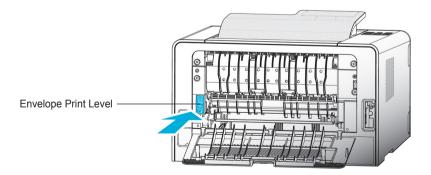
Use an envelope that is not bent, rolled or not discharging any harmful substances at 205°C (401°F). If uncertain, check with the envelope supplier.

Select the correct envelope size after setting the tray to Manual and the paper type to Envelope in the printer driver. Put the folded part of the envelope facing down and have the side with receiver's address enter the printer first.



- Depending on the application environment and the envelope state, an envelope may be wrinkled.
 Envelope opened a long time ago may be bent or expanded making it difficult to be fed.
 In this case, load it after flattening the side of the envelope that will be fed first, especially the corners.
- The printing quality of an envelope is determined by the quality of the envelope.

 Use a clean envelope that is not wrinkled, curled or scratched.
- If envelope is wrinkled or crinkled, open the back cover, press the compression lever and retry.





Be sure to return the envelope print lever to its original position after printing.
 Printing on standard paper without putting the lever back to its original position may result in poor printing quality.

Label Paper

Label paper is provided in letter or A4 size. The adhesive part of label paper, the paper printed, and the protective film part should endure the 205 °C (401°F) of temperature and 25 lb/psi of pressure for proper usage.

Test a sheet of the label paper to be used before purchasing the paper in a mass quantity. Do not use the label paper with the adhesive surface exposed.

Card Stock

Card stock is heavy one-fold paper. Depending on the features such as humidity, thickness, and texture, the card stock may affect the print quality. Card stock can be fed only through the multipurpose tray. Be sure to test the card before purchasing it in a mass quantity.

A610 Series User Manual

Troubleshooting

1. Paper Jam Removal

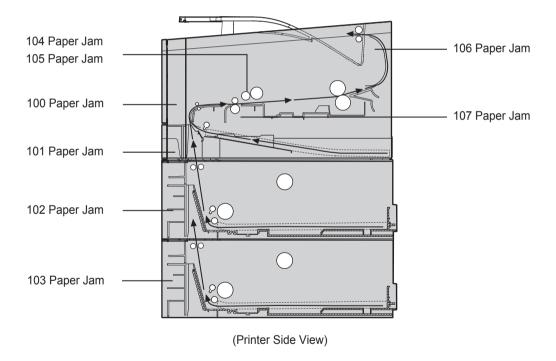
If you choose quality paper and load it correctly, most of the paper jams can be prevented. If paper jam occurs often, see 「Printer Paper Feed Specification」 p. 1-7 or 「Guidelines on Printer Paper」 p. 4-13.



- Remove all paper jams on the paper path. Press the [�] button and then printing continues. Even when jammed paper is removed and the [�] button is pressed, if the "10X Paper Jam" lamp is on, check the inside of the device.

The figure below shows the paper path within the device.

The path may vary according to the tray (tray or MPT), or feeder.



● 104/105 Paper Jam (Under the Cartridge)

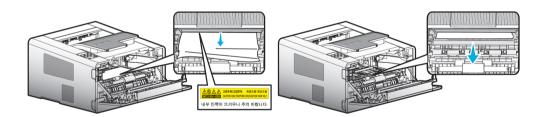
- When the cartridge is removed, the inside of the printer is hot.
- Do not touch the inside of the printer when removing jammed paper.

- The back of paper may not be visible.

Follow the below steps if paper jam occurs under the cartridge.

- 1 Open the front cover
- 2 Remove the cartridge. See [Replacing Cartridges] p. 4-5.
- 3 Pull jammed paper towards you with both hands and remove the paper.

- If it is difficult to pull out the jammed paper, remove it from the feeder cover on the back.
- Be careful. The inside of the printer is hot.

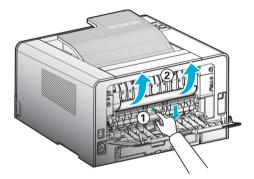


- If it is difficult to pull out the jammed paper, open the back exit cover. To remove jammed paper from the exit area cover, see Jam in Exit Area.
- If paper jam occurs while paper is being fed from the MPT, remove remaining paper from the MPT, close the MPT cover, and then open the front cover.
 If the front cover is closed while MPT cover is open, it may cause malfunction.

- Reinstall the cartridge. See [Replacing a Cartridge] on p. 4-5.
- 5 Close back cover.



- If you cannot remove the jammed paper with above steps:
- A. Paper jam may have occured inside the fusing unit. In this case, remove the jammed paper as follows.
- (1) Pull down the marked part in the direction of the arrow.
- (2) While pressing down, remove the jammed paper.
- (3) Check if the pressed part returns to its original position.



- If you pull down the display unit, the inside of the device will be very hot. If possible, use tongs rather than your hands to remove jammed paper.
- Be careful not to damage the roller inside when using a tool.

106 Paper Jam (Exit Area Cover)

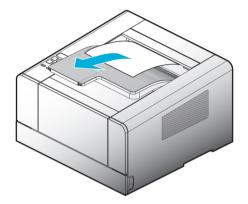
For this type of paper jam, open the front cover and the cover of the exit area in the back.

Removing Paper from Exit Area for paper jammed before completely leaving the exit area.

Removing Paper Not in Exit Area for paper jammed before reaching the exit area.

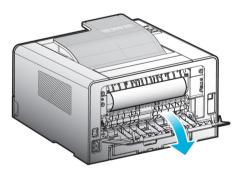
Removing Paper Visible in Exit Area

- Gently pull jammed paper.
- 2 If paper is not easy to remove, see Removing Paper Not Visible in Exit Area.

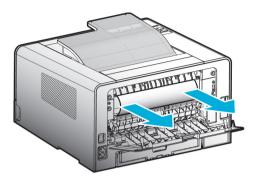


Removing Paper Not Visible in Exit Area

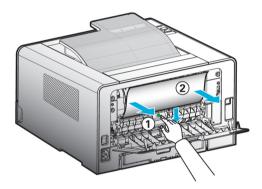
1 Open the back exit cover.



- 2 Remove the jammed paper softly according to the degree of exposure of the paper.
 - A. If the middle part of paper is visible but its end is not, hold its both sides and pull it out.



B. If the end of paper is visible, pull it out directly.



3 Push the back exit cover shut after removing paper.

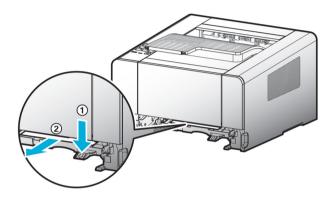


- Check both sides are shut properly.

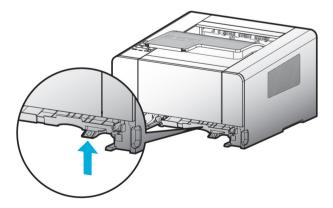
• 107 Paper Jam (Under the Device, 2-Sided Paper Jam)

During 2-sided (duplex) printing, paper jam can occur under the printer and over the tray. Follow the below steps to remove jammed paper.

- Pull out Tray 1 completely.
- 2 Find the handle on the bottom left side of the printer.
- 3 Pull handle down.



- 4 Find the jammed paper. Continue to step 6 if you do not see it.
- **5** Gently pull the jammed paper towards you.
- 6 Pull handle or duplex up and close.

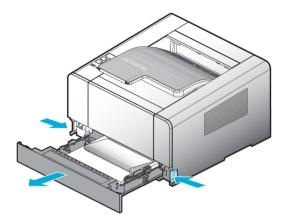


- Check both sides are properly shut.
- If you do not see the paper at the front, open the back exit cover and remove paper.

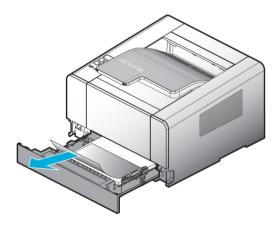
101 Paper Jam (Tray 1)

Gently pull tray 1.

(Handles for removing tray are on both sides.)

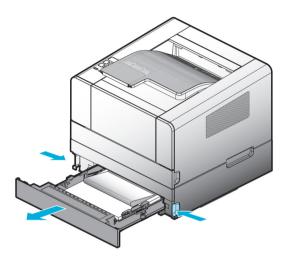


2 Pull jammed paper out

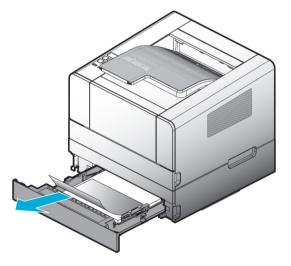


3 Push tray in.

- 102, 103 Paper Jams (Trays 2, 3)
- 1 Gently pull Tray 2 or 3. (Handles for removing tray are on both sides)



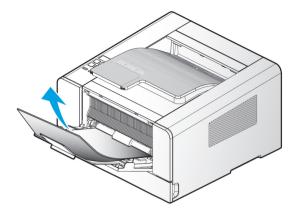
2 Pull jammed paper out.



3 Push tray in.

100 Paper Jam (MPT)

1 Pull jammed paper out.





If paper is jammed while being fed into the MPT, remove all paper loaded on the MPT,
 close the cover and open the front cover before removing jammed paper from inside the printer.
 Closing the front cover without closing the MPT cover may result in malfunction.

2. Basic Printer Troubleshooting

Sometimes print problems can be easily resolved. Try the below instructions when a problem occurs.

- 1 See 「Understanding Printer Messages」 on p. 3-15 if the red lamp blinks.
- 2 Check if the power cord is correctly connected to the printer and wall outlet.
- 3 Turn on the printer.
- 4 Check if the switch of the power receptacle is turned off or damaged.
- 5 Check if other electronic appliances connected to the same wall outlet are working.
- 6 Check if all parts are properly installed.
- If the problem persists even after above instructions are followed. Turn off the device, wait 10 seconds and turn on the device again.

If a problem is not solved even though all above measures have been taken, see another item under "Troubleshooting_p. 5-1.

Control Panel Troubleshooting

• Problem 1: LCD Displays nothing.

Solution: Turn off the printer, wait 10 seconds, and then turn on the device again.

If the message is not displayed, turn off the device and contact your place of purchase.

Printer Troubleshooting

• Problem 1: Slow in printing paper with a width of less than 182mm.

Solution: Narrow paper slows printing speed.

For faster printing speed, use paper of 182 mm or wider in width.



 Problem 2: The printer cannot print at all or black stain is printed on the right side of paper.

Solution: Check if the cartridge is properly installed.

Open the front cover and reset the cartridge.

Problem 3: Printed paper is warped or crinkled.

Solution: Change paper setting to thin paper.

• Problem 4: The printer cannot print.

Solution: 1) Check if Ready is displayed on the LCD.

- 2) Check if paper has been fed.
- 3) Check if the device language and driver are properly selected.
- 4) Check if the USB cable is properly connected
- 5) Check if the correct paper size is selected in the printer setting or printer driver.
- 6) Check if data sending was not paused on the device status window.



Device status checking methods may vary by OS.
 For more information, see the OS manual or Help.

• Problem 5: The USB port is connected but the device cannot print.

Solution: Check if your OS supports the USB port.

Problem 6: There is a problem in paper feeding or several sheets of paper are fed at once.

Solution: 1) Check if proper paper is used.

- 2) Reload paper by changing its side or orientation and check if printing quality is improved.
- 3) Check if the guides for aligning paper are positioned accurately to fit the paper size.
- 4) For the paper A5 or smaller, feed the paper through the multi-purpose tray and check that the feeding quality has been improved.
- Problem 7: Paper from the different tray is used.

Solution: Check paper setting in the printer setting or printer driver.

Problem 8: Output page is not correctly stacked.

Solution: Reload paper by changing its side or orientation.

Problem 9: Parts are missing or damaged.

Solution: Contact your place of purchase.

Problem 10: The printer is on but the lamp in the control panel is not.

Solution: The lamp can be on several seconds later.

Check if the power cord is properly connected.

Problem 11: The top front cover cannot be closed.

Solution: Check if the cartridge is properly installed.

• Problem 12: The printer is on but it does not print.

Solution: Check if the cartridge has been properly installed.

Check that the USB cable, network cable, and Wi-Fi module are connected correctly on the rear side of the printer.

To check the function of the wired network cable or Wi-Fi module, see "Trouble 15 Network Connection Failure".

Problem 13: Paper is not fed from tray 1.

Solution: 1) Remove paper from Tray 1 and blow in between the sheets for better feeding.

- 2) Select Tray 1 from the printer driver or control panel.
- 3) Do not overload the tray.
- 4) Adjust paper width and length guides to fit paper size.
- Problem 14: Paper is not fed from tray 2.

Solution: 1) Select the tray 2 from the printer driver or control panel.

- 2) Push tray 2 in properly.
- 3) Press the metal place in tray 2, and then push the tray 2. (When the tray 2 enters the device, the metal plate goes up.)
- 4) Do not overload the tray 2 past the height meter.
- 5) Adjust paper width and length guides to fit paper size.
- 6) Remove paper from Tray 1 and blow in between the sheets for better feeding.
- Problem 15: After jammed paper has been removed, the control panel still displays [Paper Jam].

Solution: 1) Remove paper from the paper path.

- 2) Press (1) or open and close the front cover to restart the printer.
- 3) Insert the cartridge.

Problem 16: Cannot connect the network.

Solution: Check the cable.

- For wire network

Check if the LED lamp blinks. If not, the network is not properly connected.

To check if the network cable has a problem, connect the LAN cable that is connected to the printer to the PC or other devices.

- For wireless network

If the wireless network adapter is working properly, the LED on the adapter will come on when the device power is turned on. Check if the LED of the wireless adapter is turned on. If the LED of the wireless adapter is on, Check the wireless AP's SSID and password

If the wireless AP is not found, it has a problem or reception is weak. Use another network device (PC, smart phone) to see if the AP is found and reception is strong. If the reception is weak, place the wireless AP closer to the printer.

Printer Quality Troubleshooting

Replace consumables to improve printer quality or maintain parts which reached their expiry.

See below instructions for printer quality troubleshooting.

If you cannot solve the problem, contact your place of purchase.

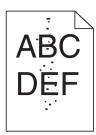


• Problem 1: Text is blurred.

(if necessary) and retry network connection.

Solution: 1) The toner may have run out. Replace the toner cartridge.

- The drum cartridge may be defective.Replace with a new drum cartridge.
- 3) Set toner density to 8 or higher Printer Setting or Driver.
- Select correct settings in printer driver to print on tracing paper (OHP), card stock, label, etc.
- 5) Check if paper on the tray is not wet.
- 6) Do not use paper with rough surface.



• Problem 2: Toner stains appear on the front or back of paper.

Solution: 1) Fuser may have been contaminated.

Perform "Fuser Cleaning Print" among the reports menu on p. 3-14.

- 2) Check if paper comes out straight without warping or curling.
- 3) There may be a problem with the toner cartridge. Replace with a new one.
- 4) Toner is smudged on the send roller. Clean the send roller with a cloth. To prevent contamination, do not feed paper smaller than the image you are printing.
- 5) Assign the correct paper size in Print Settings or Driver.
- 6) Open and close the front cover on the top of the printer.

 Printer will automatically clean the send roller.
- Cleaning roller may be contaminated. Replace the roller.
 See p. 4-11 for instructions.



• Problem 3: The toner is smeared on paper.

Solution: 1) Set paper weight to Heavy and choose Rough texture from the print setting.

- 2) Check if the envelope lever is in the normal position. (See p. 4-14)
- 3) Check if the paper is suitable for this printer.
- 4) Check if correct paper type has been selected in Printer Setting or Driver.
- 5) Use a different type of paper. Copier paper provides the best quality.
- 6) The toner cartridge may be defective. Replace with a new toner cartridge.



• Problem 4: Vertical or horizontal line appears on the page.

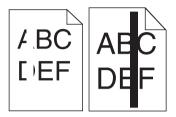
Solution: 1) The toner may be running out. To use the remaining toner, remove the cartridge and gently shake before reinstalling.

2) The toner cartridge may be defective. Replace with a new one.

 Problem 5: When pie charts, bar graphs or other gray graphics are printed, vertical lines of various widths appear.

Solution: 1) Contaminants such as paper powder or lint are on the head lens. Clean the head lens.

- 2) The toner cartridge may be defective. Replace with a new one.
- 3) The drum cartridge may be defective. Replace with a new one.



Problem 6: White or black lines are printed on the tracing paper(OHP)
 or paper.

Solution: 1) The toner may be running out.

To use the remaining toner, remove the cartridge and gently shake before reinstalling.

- 2) The toner cartridge may be defective. Replace with a new one.
- 3) The drum cartridge may be defective. Replace with a new one.



• Problem 7: Pale images or repeated spots are printed on paper.

Solution: 1) The toner cartridge may be defective.

Replace with a new one.

2) The drum cartridge may be defective. Replace with a new one.



• Problem 8: The text outline is not clear and image quality is poor.

Solution: Change printer resolution in Printer Driver.



• Problem 9: Printer works but left and right margins are not aligned.

Solution: 1) Check if you have selected the correct paper size in Printer Setting or Driver.

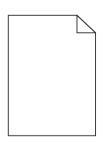
2) Check if the margin has been correctly selected in the software application.



Problem 10: Prints come out too dark.

Solution: 1) Change toner darkness in Printer Setting or Driver.

- 2) Check if the paper on the tray is not wet.
- 3) Do not use paper with rough surface.
- 4) Check if the media type in Print Properties and the paper on the tray match.
- 5) Check if the paper type selected in Printer Control Panel and the paper on the tray match.
- 6) The toner cartridge may be defective. Replace with a new one.

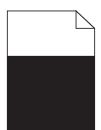


• Problem 11: Paper comes out blank.

Solution: 1) Toner may be empty or the toner cartridge may be defective.

Replace with a new one.

- 2) It may be a software error. Restart the printer.
- 3) Check if packing material has been properly removed from the cartridge.
- 4) Check if the cartridge has been properly installed.
- 5) Contact Customer Support Center if the problem persists.



• Problem 12: All or part of paper is printed in black.

Solution: Check if the cartridge is installed properly.

Open the front cover and reset the cartridge.



• Problem 13: Toner stain or shadow in the background.

Solution: 1) Check if the cartridge has been properly installed.

- The toner cartridge may be defective.Replace with a new one.
- The drum cartridge may be defective.Replace with a new one.
- 4) Toner is in the paper path. Contact Customer Support Center.
- Problem 14: Poorer quality when thick or rough paper is used.

Solution: Change paper type to Thick. (p. 3-33)

Tray 2 Troubleshooting

• Problem 1: Printer does not operate properly or stops while printing after Tray 2 was added.

Solution: A. Switch off the printer. Wait 10 seconds before turning it back on.

If the problem persists, check if the tray 2 is properly connected to the printer.

B. Check if you have made proper settings in the printer driver to use Tray 2.

Other Troubleshooting

• Problem 1: How can I get updated versions of the printer driver or related utilities?

Solution: You can download them from the Sindoh's website: www.sindoh.com

Customer Support

When contacting the Customer Support Center, be ready to explain the problem, message displayed on the screen, and the steps you took to solve the problem. You should have the model number and serial number of your printer with you.

Warranty (Product Name: A610 Series)

- The term of the warranty for the product is 1 (one) year.
- Recommended Use Quantity: 8,000 sheets/month (A610)
- Consumables Use Quantity

Category	First Installation	Sales	Remark
Toner	A610(6,000 sheets)	3,000 sheets 6,000 sheets 13,000 sheets	*A4 5% chart *Evaluation environment:
Drum	45,000 sheets (continuous output) 30,000 sheets (3 sheets printed per us 18,000 sheets (1 sheet printed per us	Temperature 23±2°C *Humidity: 50±10%RH (ISO/IEC 19752)	

- When A4 5% (or document with multiple images) is processed, the life of toner and drum cartridges are reduced.
- Errors can happen according to operation environments.
- Consumables claims are judged based on our standard.

- Consumable Parts

Category	Parts	Capacity	Remark
	Fuser unit	120,000 sheets	*Standard paper * A4 5% chart
	Transfer roller		
	Tray pickup roller		
A610/A615	Tray separation pad		
	Multipurpose tray	30,000	
	separation pad	sheets	
	Fuser cleaning rollor	60,000 sheets	

- * Consumables specified above have direct effect on image and machine operation.
 Please replace them in a timely manner.
- Defects that occur during the exchange cycle will be processed according to the company's claim standard.

