

User's Manual

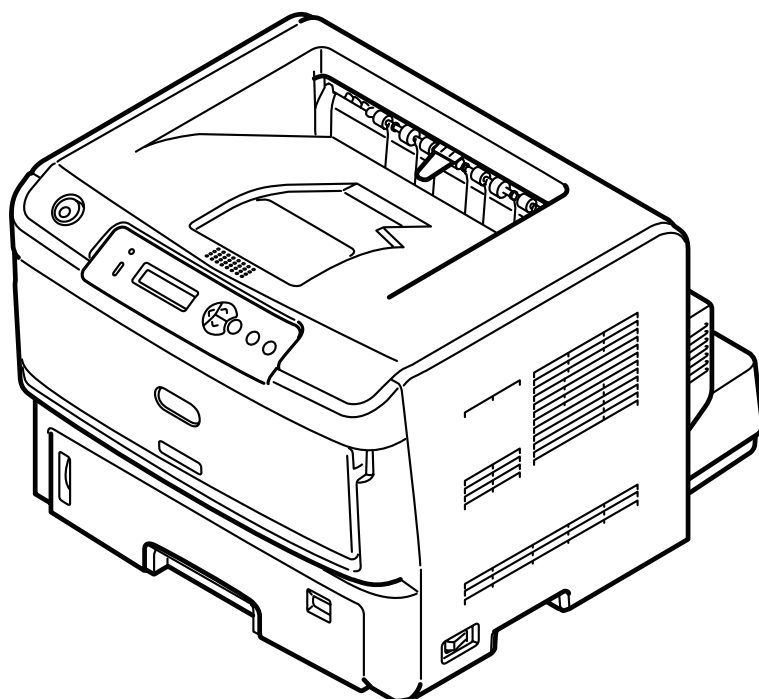
B820n/B840dn



Setup Instructions



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- This manual contains cautions on how to use this product safely. Before you use this product, please make sure that you read this manual.
- Please use the product with this manual at your side.

Safety Instructions
















Before using your product, read the User's Manual for safety (this document).

Safety Notations

⚠Warning indicates that, if it is ignored and the printer is mishandled, personal death or serious personal injury may occur.

⚠Caution indicates that, if it is ignored and the printer is mishandled, personal injury may occur.

General Warnings and Cautions

⚠Warning					
	Do not touch the safety switch inside the printer; a high voltage is generated and electric shock may occur, and a gear of the printer revolves and injury may occur.		Do not use flammable sprays near the printer; fire may occur. Some parts inside the printer become hot.		If the printer's cover becomes abnormally hot or the printer smokes, smells funny or has an abnormal sound, unplug the printer and contact Customer Support Center, or fire may occur.
	If a liquid, such as water, gets into the printer, unplug the printer and contact Customer Service Center, or fire may occur.		Unplug the printer before removing foreign material dropped into the printer, or electric shock, fire or injury may occur.		Perform operations or disassembly not instructed in this user's manual; electric shock, fire or injury may occur.
	If the printer is dropped or its cover is damaged, unplug the printer and contact Customer Service Center, or electric shock, fire or injury may occur.		Periodically remove the power cord plug from the receptacle and clean its blade root and the portion between its blades. If left in the receptacle too long, the power cord plug may have dust adherents at the blade root and short-circuit. This may cause fire.		Do not use electric vacuum cleaners to vacuum off spilled toner; a spark at an electric contact may cause ignition. Use a damp cloth to wipe toner spilled on a floor.
	Do not insert things into the air vents; electric shock, fire or injury may occur.		Do not put glasses on the printer with water in them; electric shock, fire or injury may occur.		When a cover of the printer is open, do not touch the fuser unit, or burn injury may occur.
	Do not throw the toner cartridge into fire; dust explosion may cause burn injury.		Do not make power cord, printer cable or ground wire connections not instructed in this user's manual; fire may occur.		Oki Data does not guarantee the operations of the printer if it is used with an UPS (an uninterruptible power system) or inverter. Do not use UPSs or inverters; fire may occur.

⚠Caution	
	When the printer is turned on or while it performs printing, keep away from the paper exit, or injury may occur.

Manual Composition

The following DVD-ROM are attached to this product. This DVD-ROM stored two User's Manuals.

User's Manual (Setup Instructions).....This document

Please make sure that you read this manual carefully.

Records the settings, printer driver installation procedure, operation panel display, basic printing and supplies replacement, etc.

DVD-ROM disc



"User's Manual (Advanced)" is stored. This manual provides various utilities, to explain how to use various features such as large print.

Please browse the contents of the "User's Manual (Advanced)"(page 9).

How to Read This Manual

Symbols

The following symbols are used in this manual.

- B840dn → B840
- B820n → B820
- Multi-purpose tray → MPT, MP tray
- Second tray unit → Tray 2
- Third tray unit → Tray 3
- PostScript3 Emulation → PSE, POSTSCRIPT3 Emulation, POSTSCRIPT3 EMULATION
- Microsoft® Windows® 8.1 64 - bit Edition operating system → Windows 8.1 (64bit version)*
- Microsoft® Windows® 8 64 - bit Edition operating system → Windows 8 (64bit version)*
- Microsoft® Windows® Server 2012 64 - bit Edition operating system → Windows Server 2012 (64bit version)*
- Microsoft® Windows® Server 2012 R2 64 - bit Edition operating system → Windows Server 2012 R2 (64bit version)*
- Microsoft® Windows® 7 64-bit Edition operating system → Windows 7 (64-bit version)*
- Microsoft® Windows Vista™ 64-bit Edition operating system → Windows Vista (64-bit version)*
- Microsoft® Windows Server® 2008 R2 64-bit Edition operating system → Windows Server 2008 R2*
- Microsoft® Windows Server® 2008 64-bit Edition operating system → Windows Server 2008 (64-bit version)*
- Microsoft® Windows® XP x64 Edition operating system → Windows XP (×64 version)*
- Microsoft® Windows Server™ 2003 x64 Edition operating system → Windows Server 2003 (×64 version)*
- Microsoft® Windows® 7 operating system → Windows 7*
- Microsoft® Windows Vista™ operating system → Windows Vista*
- Microsoft® Windows Server® 2008 operating system → Windows Server 2008 *
- Microsoft® Windows® XP operating system → Windows XP*
- Microsoft® Windows Server™ 2003 operating system → Windows Server 2003*
- Generic name for Windows 8.1, Windows Server 2012 R2, Windows 8, Windows Server 2012, Windows 7, Windows Vista, Windows Server 2008 R2, Windows Server 2008, Windows XP, Windows Server 2003 → Windows

* If there is no special description, 64bit version is included in Windows 7, Windows Vista, Windows Server 2008, Windows XP, and Windows Server 2003.

Mark



Printer work properly. It is strongly recommended that you read these in order to avoid operating the machine incorrectly.



Items that are useful to know or which are reference items for when using the printer. Recommended to read.

The descriptions in this manual, unless particularly specified, refer to the operation procedures of B840dn. The screen or operating procedure may differ depending on the model.



As an ENERGY STAR Program Participant, the manufacturer has determined that this product meets the ENERGY STAR guidelines for energy efficiency.



This product complies with the requirements of the Council Directives 2004/108/EC (EMC), 2006/95/EC (LVD), 1999/5/EC (R&TTE) and 2009/125/EC (EuP), as amended where applicable, on the approximation of the laws of the member states relating to Electromagnetic Compatibility, Low Voltage, Radio & Telecommunications Terminal Equipment and Energy Using Products.

The following cables were used to evaluate this product to achieve EMC directive 2004/108/EC compliance and configurations other than this may affect that compliance.

CABLE TYPE	LENGTH (METRE)	CORE	SHIELD
Power	1.8	x	x
USB	5	x	✓
Parallel	1.8	x	✓
LAN	15	x	x

CAUTION

This equipment uses CR2032 lithium batteries on the main control board.
The machine has a life of 10 years with normal use.
Please seal the batteries with a tape or similar material upon disposal.
Mixing with other metals or batteries may result in fires or explosions.
Please dispose of batteries in accordance with rules and regulations of the local government.
Please do not dispose of them in a landfill site amongst already processed garbage.

Regarding the software on the printer.



This product has RSA Security Inc.'s RSA® BSAFE™ software installed on it.



B820n/B840dn has passed the IPv6 Ready Logo Phase 1 test.

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2. The contents of this manual are subject to change in the future without prior notice.
3. This manual has been created with due care, however, in the unlikely event that you notice something that is unclear, incorrect, or omitted, please contact the store at which you purchased the product.
4. Please understand that notwithstanding point 3, Oki Data accepts no responsibility for the contents of this manual in terms of the effect on the operation of the machine.

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EMERGENCY FIRST AID

Take care with toner powder:



If swallowed, give small amounts of cold water and seek medical attention. DO NOT attempt to induce vomiting.

If inhaled, move the person to an open area for fresh air. Seek medical attention.

If it gets into the eyes, flush with large amounts of water for at least 15 minutes keeping eyelids open. Seek medical attention.

Spillages should be treated with cold water and soap to help reduce risk of staining skin or clothing.

MANUFACTURER

Oki Data Corporation,

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Tokyo 108-8551,

Japan

ENVIRONMENTAL INFORMATION



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The Content of User's Manual (Advanced)

- 1 Printing with various kinds of paper
 - 2 Convenient Printing Functions
 - 3 Use various ways to print
 - 4 Printing neatly
 - 5 How to use the control panel
 - 6 Useful Utilities (Windows)
 - 7 Useful Utilities (Macintosh)
 - 8 Regarding Networks
 - 9 Troubleshooting
- Appendix

User's Manual (Advanced) is stored in the "Manual" folder of random DVD-ROM disc.

[Memo]

Chapter 1 Setting Up

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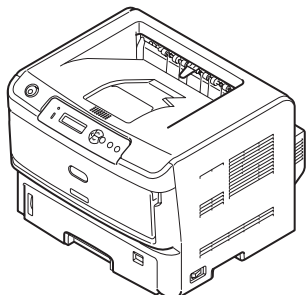
Checking the Product

Be sure all necessary parts are available. Main items are shown as below. For more information, please refer to the offerings list.

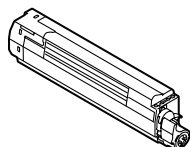


This printer should be lifted up by two or more persons.

Printer (Main Body)



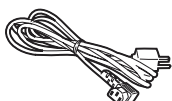
Toner Cartridge



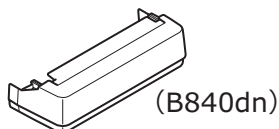
Software DVD-ROM



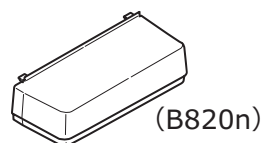
Power Cord



Cassette Cover

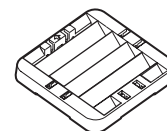


(B840dn)



(B820n)

Vent Louver



- Note!**
- No printer cables are supplied with the printer. Separately purchase a printer cable suitable for your computer.
 - The image drum is already installed inside the printer.
 - Toner cartridge is packed under the pads.
 - The packing box and pads are used for transporting the printer. Keep them.

- Memo**
- Various utilities and a user's manual (Advanced) on the printer functions are stored in the "Manual" folder of the provided DVD-ROM. Please browse the manual.

Installation Requirements

Operating Environment

- Install the printer in a place meeting the following temperature and humidity requirements:
 - Temperature : 10 to 32°C
 - Humidity : 20 to 80% RH (relative humidity)
 - Maximum Wet-bulb Temperature : 25°C
- Be careful not to allow dew condensation to occur.
- When installing the printer in air of a humidity of 30% or less, use a humidifier or an antistatic mat.

Installation Warnings and Cautions

Warning

- Do not install the printer in an area that becomes hot or near fire.
- Do not install the printer in a place where a chemical reaction occurs (such as a laboratory).
- Do not install the printer near a flammable liquid, such as alcohol or a thinner.
- Do not install the printer within reach of children.
- Do not install the printer in an unstable surface (such as on unstable table or an inclined surface).
- Do not install the printer in a damp or dusty place or an area exposed to direct sunlight.
- Do not install the printer in salt air or a corrosive gas environment.
- Do not install the printer in a vibratory surface.
- Do not install the printer in an area where its air vent is blocked.

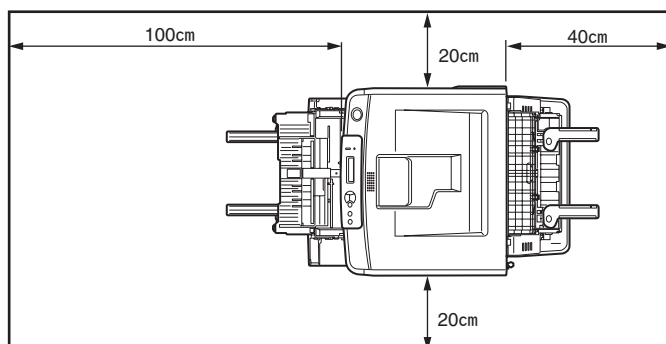
Caution

- Do not install the printer directly on a thick carpet.
- Do not install the printer in a poorly-ventilated area such as a closed room.
- When using the printer in a small room, pay attention to the air ventilation in the room.
- Install the printer away from strong magnetic fields and noise sources.
- Install the printer away from monitors and televisions.
- When carrying the printer, hold the handles on both sides.
- The printer should be lifted up by two or more persons.

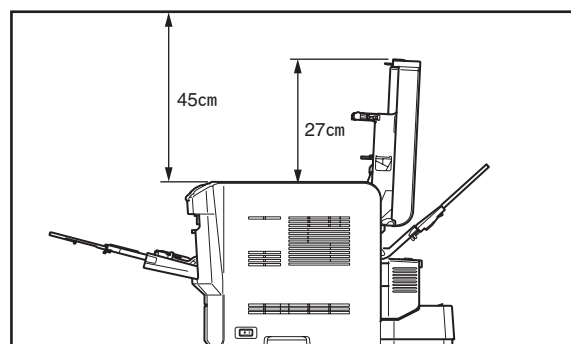
Installation Space

- Do not place the printer on the ground; Put it on a flat table large enough for the printer's legs to be placed.
- Create enough space around the printer.

Top View

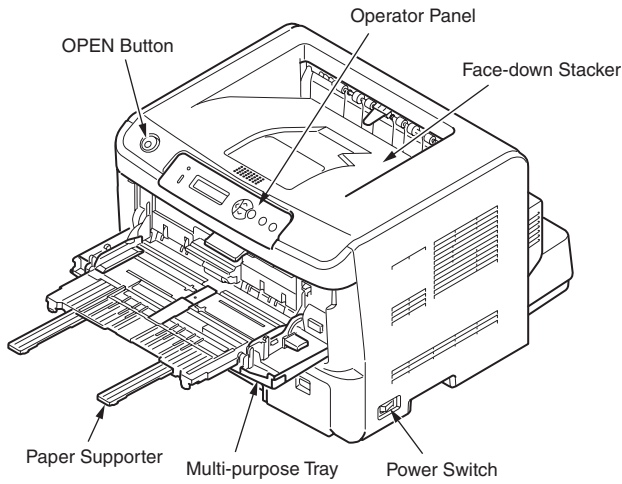


Side View

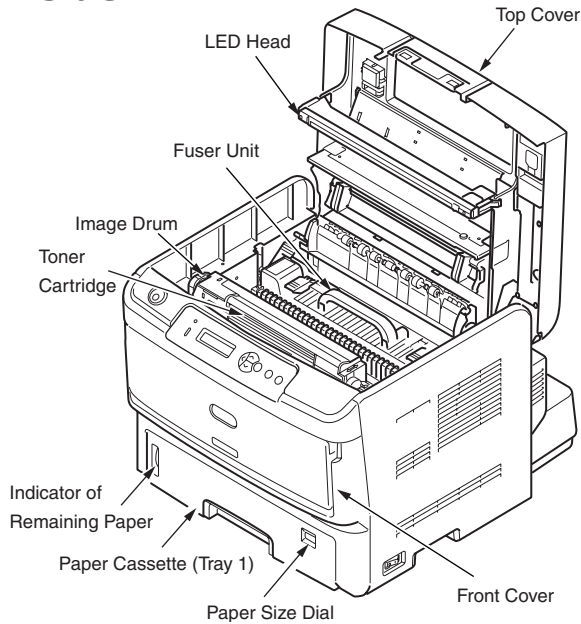


Names of Components of the Printer

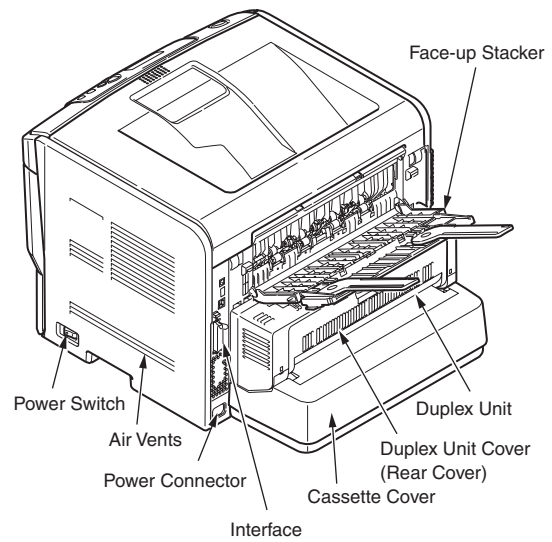
Front (B840dn)



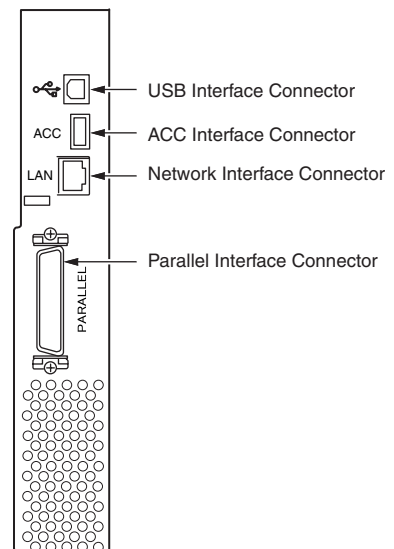
Inside



Rear



<Interface>



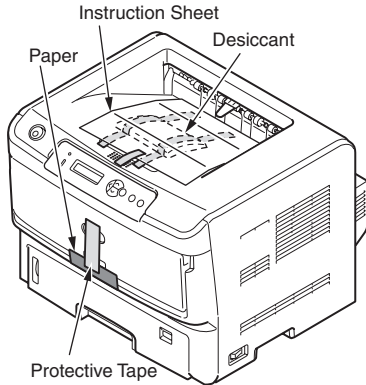
Memo Manufacturing number of the printer is in marked inside the top cover.

Installing the Printer

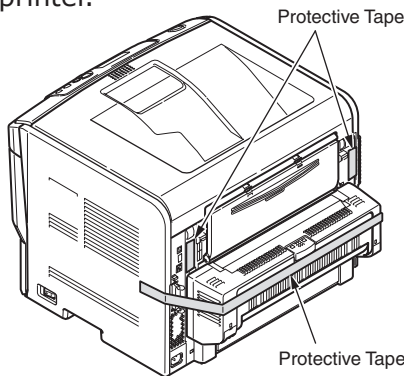
Note! Before connecting the power cord, follow the steps described in this section.

1 Remove the protective material.

- 1 Remove the protective tape, Instruction Sheet, the desiccant, the paper and etc on the front part of the printer.

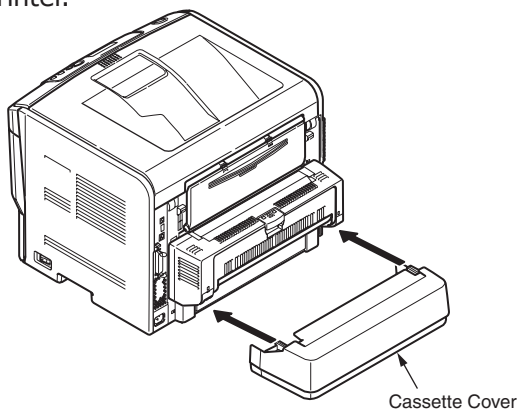


- 2 Remove the protective tape on the rear of the printer.



2 Attach the cassette cover.

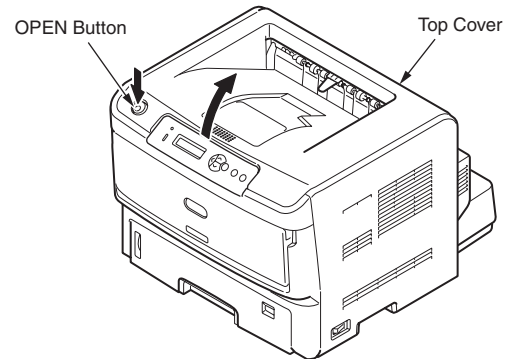
- 1 Attach the cassette cover to the rear of the printer.



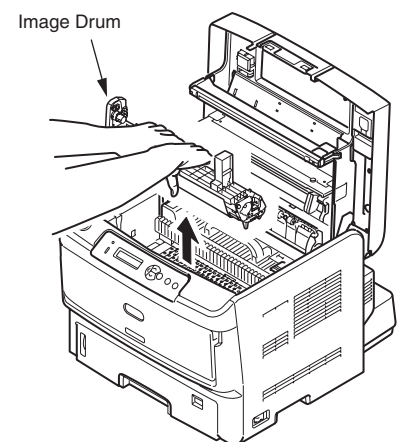
3 Install the image drum and toner cartridge.

- Note!**
- The image drum with film is slippery. Use both hands to hold it.
 - Be sure to install the image drum supplied with the printer. The printer can print the ISO/IEC19752 standard print pattern on approximately 6,000 A4 sheets with the Toner cartridge.

- 1 Press the left OPEN button on the top of the printer.

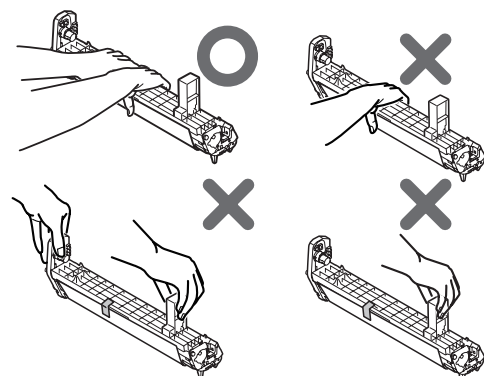


- 2 Gently take the image drum upwards out of the printer.



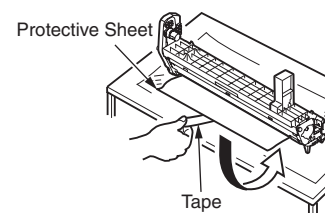
- Note!**
- The image drum (the green tube) is very delicate. Handle it with enough care.
 - Do not expose the image drum to direct sunlight or bright interior light (approximately 1,500 lux or more). When leaving the toner cartridge for five minutes or more under normal interior light, cover it with black paper. Do not leave the image drum for one hour or more even with black paper on it.

<How to take the image drum>

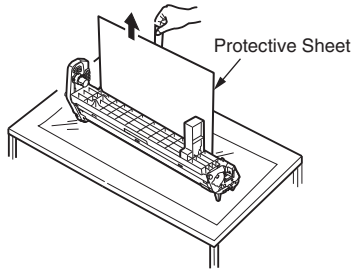


Do not pick it up with one hand.

- 3 Put the image drum on the newspaper.

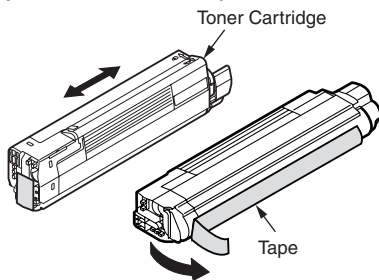


- Remove the tape from the protective sheet, and pull out the protective sheet in the direction of the arrow.

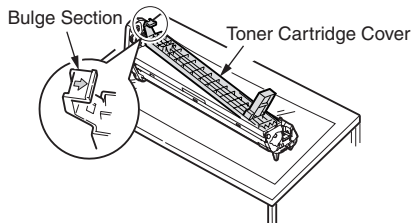


4 Install the toner cartridge to the image drum.

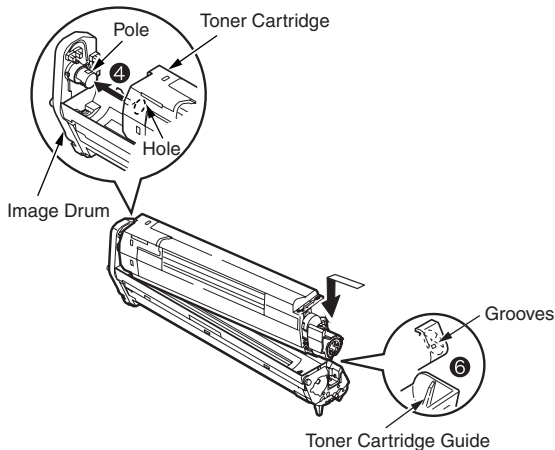
- Take the new toner cartridge out of the packing bag.
- Gently shake it in vertical and horizontal directions for several times.
- Place the toner cartridge horizontally and slowly remove the tape from it.



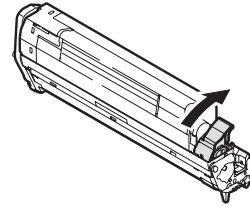
- Remove the toner cartridge cover.



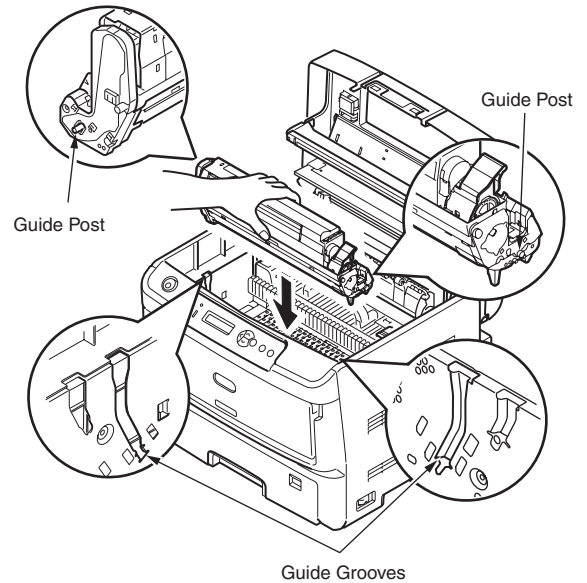
- Insert the toner cartridge hole into the image drum dowel pin with tape side down.
- Firmly press the grooves at the right side of the toner cartridge against the bulge section of toner cartridge guide.



- Turn the toner cartridge lock lever until it is turned end in the direction of the arrow.



- Align both guide posts of the image drum with their guide grooves on the printer, and gently put the image drum back into position.



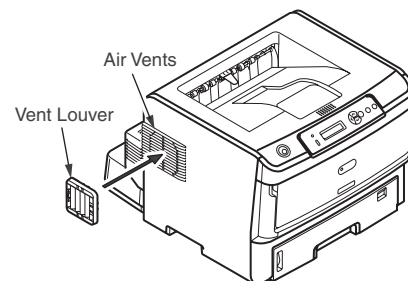
- Close the top cover.

5 Attach the vent louver.

Memo You do not need to attach the vent louver when you do not want to change the air release direction of the printer.

- Fit the vent louver onto the air vents.

Memo The louver can be attached in any of four orientations.



- Note!**
- The print quality may lower when the toner cartridge is not properly fixed.
 - Start using the printer with the toner cartridge supplied with the printer, or the printer may not properly display the end of the life of its toner cartridge.

Set Print Media

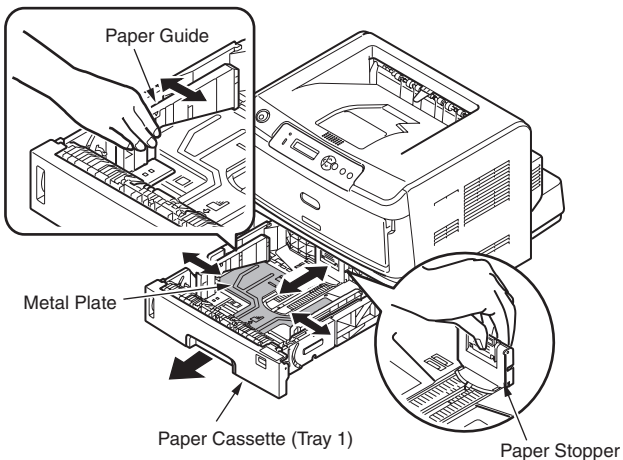
1 Pull out the paper cassette (the tray 1).

- Memo**
- The paper cassette stops at a predetermined position when pulled out of the printer.
 - To remove the paper cassette from the printer, pull it out, lifting its front.

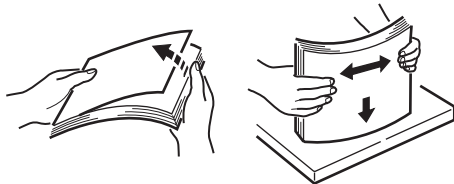
2 Adjust the paper guides and the paper stopper to the size of the paper to load, and securely fix them.

- Memo** Put the rear of the paper cassette out of the printer when the paper in tray 1 is larger than A4 (page 62).

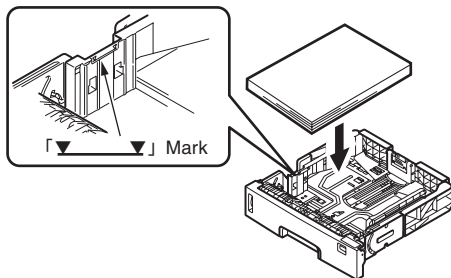
- Note!** Do not remove the cork attached to the Metal plate.



3 Fan the paper and tap the edges of the stack to make it flush.

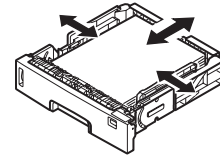


4 Load the paper face down.



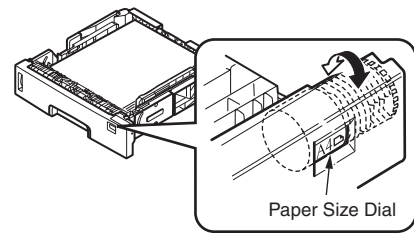
- Note!**
- Pull out the paper cassette and load the paper.
 - Do not press the paper (rear) stopper strongly so as to bend the paper.
 - The paper should be loaded so as not to exceed the mark "▼" indicated on each of the paper guides (approximately 530 sheets of 80-g/m² paper, and 53 mm in total stacking depth).
 - When the print side or face side is indicated on the paper package, load the paper face down into the printer. If unmarked, load the paper with unpacked side down into the printer.

5 Be sure the paper guides and the paper are properly aligned.

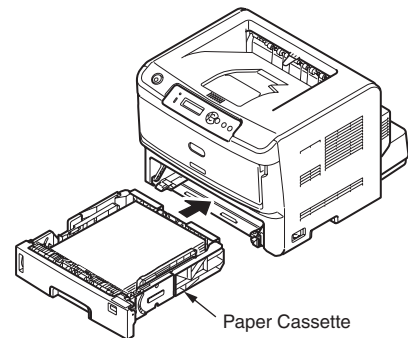


6 Set the size of the paper on the paper size dial.

- Memo** When the size of the paper is standard, but not on the paper size dial, set it to 'other' on the paper size dial, and select the size for [TRAYn OTHER SIZE] from [MEDIA MENU] on the printer. (page 57)



7 Put the paper cassette back into the printer.






- Note!** When the metal plate under paper is lifted, press it until it clicks. Then return the paper cassette to the printer. If returning it to the printer with the metal plate lifted, that may cause failures.

Turning On the Printer

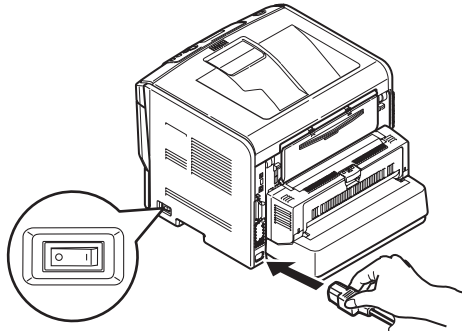
Power Supply Conditions

- The power supply must meet the following conditions:
 - Alternating Current (AC) : 220VAC-240VAC
 - Power Supply Frequency : 50 Hz or 60 Hz $\pm 2\%$
- Use a voltage regulator if the power supply is unstable.
- The maximum power consumption of the printer is 1,200 watts. Ensure that the power supply is sufficient.
- When the printer is used with a UPS (an uninterruptible power system) or inverter, Oki Data does not guarantee the operations of the printer. Do not use UPSs or inverters.

 Warning	Fire or electric shock hazard	 
<ul style="list-style-type: none">• Be sure to set the power switch as OFF before you install or uninstall the power cord.• Be sure to hold the power cord by its plug to plug or unplug it.• Insert the power cord plug into a receptacle securely until it stops.• Do not plug or unplug the power cord plug with wet hand.• Install the power cord to a place where people cannot step on it, and put nothing on it.• Do not use the power cord with being bound or tied.• Use no damaged power cords.• Do not derive the printer's power from a receptacle with another power cord connected.• Do not connect the printer and another electrical product to the same receptacle. The printer may malfunction due to electrical noise when connected simultaneously with an electrical product, particularly an air conditioner, copier or paper shredder. When connecting the printer to an electrical product to the same receptacle by necessity, use a commercially-available noise filter or noise filter transformer• Use the power cord supplied with the printer, and insert it directly into a receptacle.• Use no power cords for use for other products for the printer.• Use no extension cords. Use an extension cord of a rating of 10A or more to connect by necessity.• The printer may not operate properly due an AC power drop when using an extension cord.• While the printer performs printing, do not unplug or plug the power cord.• When not using the printer for a long period, such as during consecutive holidays or travel, unplug it.• Do not use the power cord supplied with the printer to another product.		

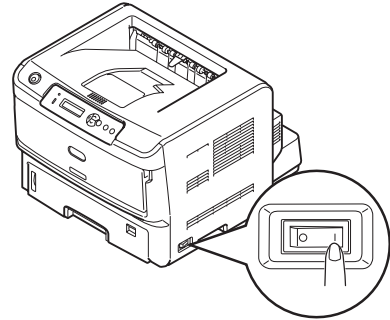
1 Connect the power cord.

- 1 Be sure the OFF (O) side of the power switch is pressed.
- 2 Plug the power cord into the printer.

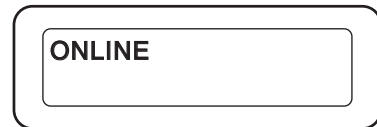


- 3 Insert the power cord plug into a receptacle.

2 Press the ON (I) side of the power switch.



When the printer is ready to perform printing, the operator panel displays 'ONLINE'.







Memo Time setting for the printer is performed on [TIME SETUP] under "ADMIN MENU". For more information, please refer to [page 94](#).

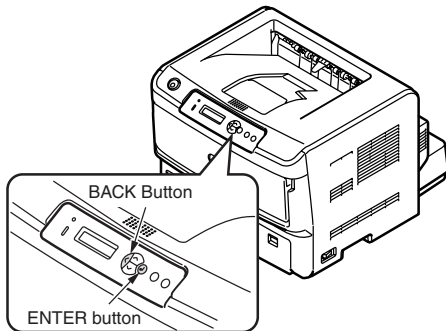
Note! When turning off the printer before turning it on, wait several seconds before you press the ON (I) side of the power switch.

Turning Off the Printer

Before turning off the printer, be sure to shut down it by using the following procedure.

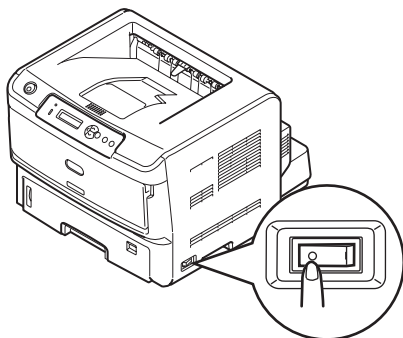
Note! By pressing the OFF (O) side of the power switch suddenly to turn off the printer, the printer may be damaged, being caused to inoperable.

- 1 Hold down the **BACK**  button for four seconds or more to display [SHUTDOWN START YES/NO].
- 2 Press the  button or  button to display [YES].
- 3 Press the **ENTER**  button.



The printer displays [SHUTTING DOWN], starting shutdown processing.

- 4 Press the OFF (O) side of the power switch when the printer displays [PLEASE POW OFF/SHUTDOWN COMP].



Note! When turning off the printer before turning it on, wait several seconds before you press the ON (I) side of the power switch.

When not using the printer for a long period

Such as during consecutive holidays or travel, unplug it.

- 1 Remove the power cord plug from the receptacle

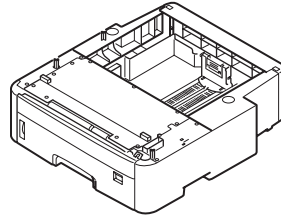
Memo After the printer is unplugged for a long period (four weeks or more), it does not malfunction.

Options

Second Tray Unit

A second tray unit increases the paper capacity of the printer. The second tray unit can be loaded with 530 sheets of 80 g/m² (70 kg) paper and, when using it in combination with the standard cassette, the printer can use 1,060 sheets consecutively. B840dn can be installed with up to two second tray units, using them as its second/third trays. B820n can be installed with only one second tray.

- Memo**
- A second tray unit may be shown as a tray 2.
 - Two second tray units installed to B840dn are called, from top, "the second tray" or "the tray 2", and "the third tray" or "the tray 3."



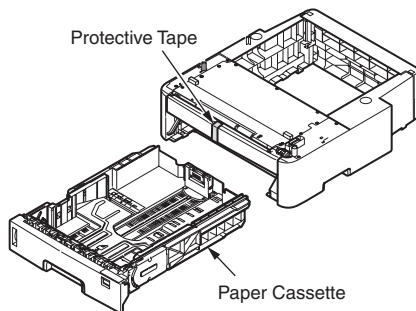
Model Number: N21303A

1 Press the off (○) side of the power switch to turn off the printer, unplug the power cord and printer cable.

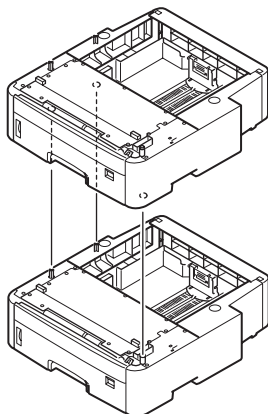
- Note!** Installing a second tray unit to the printer with the printer on may lead to a printer malfunction.

- Memo** To turn off the printer, refer to "Turning Off the Printer" (page 20).

2 Pull out the paper cassette from the second tray unit and remove the protective tape from the second tray unit.



3 Stack two second tray units before installing them for B840dn.



4 Put the printer on the second and third tray units.

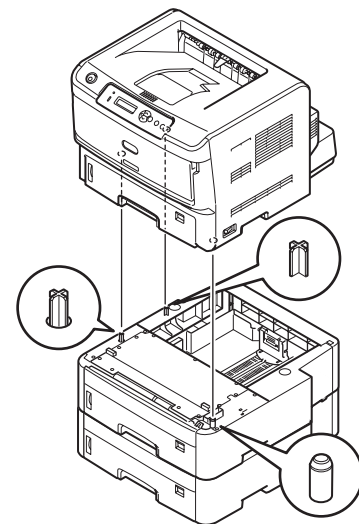


This printer should be lifted up by two or more persons.

1 Align the bottom holes of the printer with the bosses of the second tray unit.

2 Place the printer on the second tray unit.

- Note!** The printer should be put vertically to the second tray unit.



- Memo** Remove the tray units in a reversed order.

5 Reconnect the power cord and the printer cable to the printer and turn on the power (I).

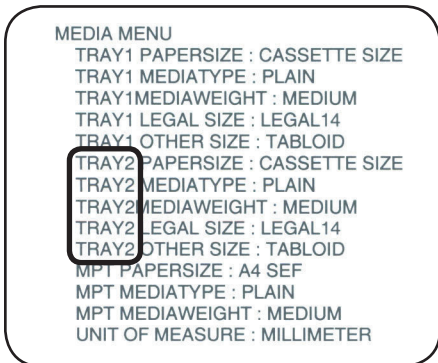
6 Check the second and third tray units are properly installed.

- 1 Print a menu map.

Memo Refer to "Printing a Menu Map" (page 32) for more information.

- 2 Check that "TRAY2" and "TRAY3" are shown under "MEDIA MENU".

An example on installing the second option tray unit to B840dn is as follows.



Note! When the trays are not properly shown in the menu map, reinstall them.

7 Configure the second and third tray units in your printer driver.

Memo When your computer has no printer drivers installed for the printer, install a printer driver for the printer on it, referring to Installing a Printer Driver (page 36).

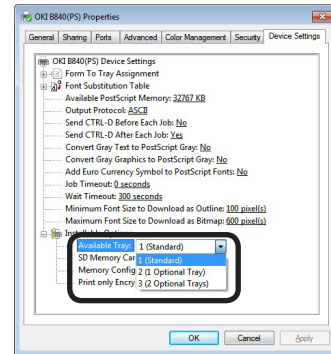
- Note!** Administrator privileges on your computer are required.
- [Extended Feeder Units] in the Mac OS X PCL printer driver is always set to [Available].

The following description uses Windows XP as an example.

Windows PostScript Printer Driver

- 1 Select [Start]-[Control Panel]-[Printers and Other Hardware]-[Printers and Faxes].
- 2 Right-click the [OKI B840 (PS)] icon and select [Properties].

- 3 Set the tray units to be added in [Available Tray] under [Installable Options] on [Device Settings] tab.

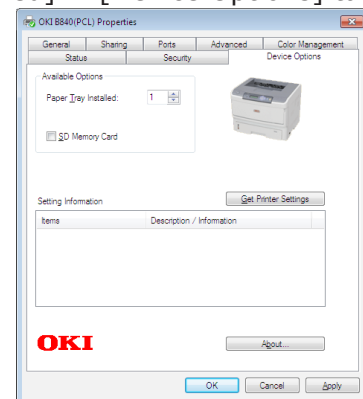


- 4 Click [OK].

Memo When you click [Get Installable options automatically] with the printer connected over a network via TCP/IP, configuration can be made automatically.

Window PCL Printer Driver

- 1 In Windows 8.1/Windows Server 2012 R2/Windows 8/Windows Server 2012, select [Control Panel] - [Hardware and Sound] - [Devices and Printers]. In Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers]. In Windows Vista/Windows Server 2008, choose [Start] - [Control Panel] - select [Printer] under [Hardware and Sound] on the [Control Panel Homepage]. In Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes]. In Windows Server 2003, select [Start] - [Printers and Faxes].
- 2 Right-click [OKI B840 (PCL)] or the [OKI B820] icon and select [Printer properties].
- 3 Set the added tray from [Paper Tray Installed] in [Device Options] tab.

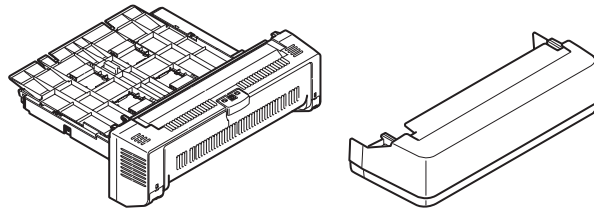


Memo When you click [Get Printer Settings] with the printer connected over a network via TCP/IP, configuration can be made automatically.

Duplex Unit (B820n)

The printer needs a duplex unit to print both sides of paper.

Note! B840dn has as standard a duplex unit installed.



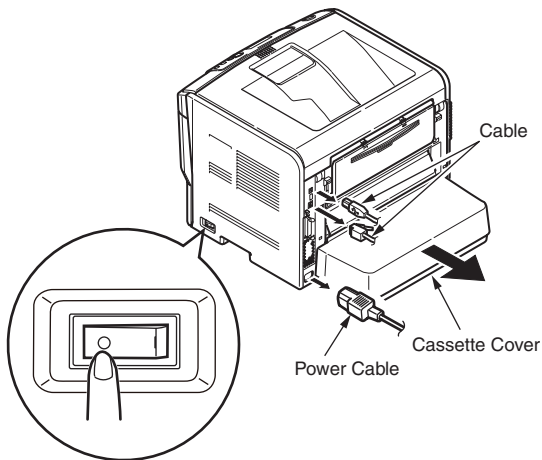
Model Number: N21302A

1 Press the off (O) side of the power switch of the printer and remove the power cord, the printer cable and the cassette cover.

Note!

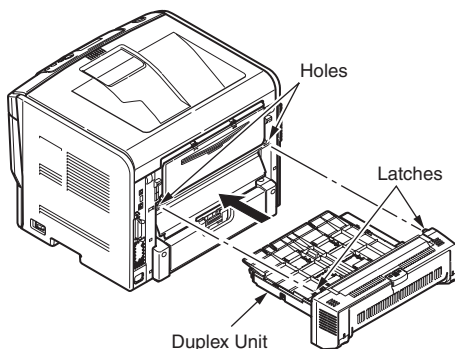
- Installing a duplex unit to the printer with the printer turned on may damage the printer.
- The printer does not use the cassette cover of B820n. Keep it.

Memo To turn off the printer, refer to "Turning Off the Printer" (page 20).



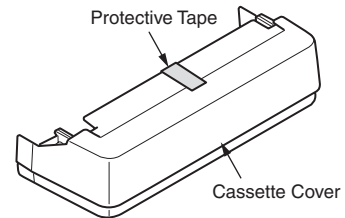
2 Attach a duplex unit.

1 Insert the duplex unit into the lower part of the rear of the printer securely until it stops.

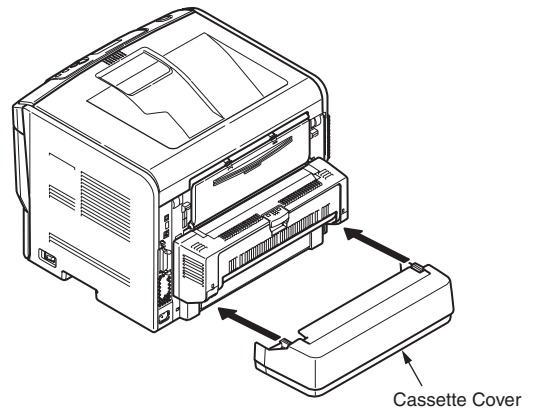


2 Be sure that the both latches on the duplex unit are inserted securely into the holes on the printer.

3 Remove the protective tape



4 Attach to the duplex unit the cassette cover supplied with the duplex unit.



3 Attach the power cord and the printer cable and press the on (I) side of the power switch.

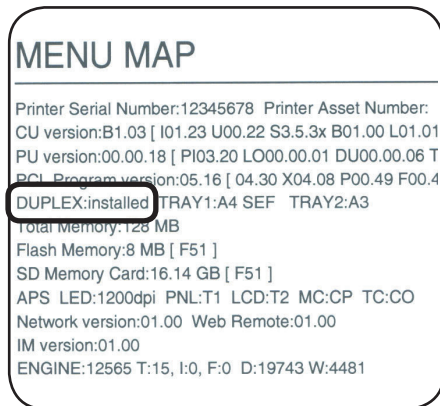
Note! Reinstall the duplex unit when the printer displays "SERVICE CALL 181: ERROR".

4 Check the duplex unit is properly installed.

- 1 Print a menu map.

Memo Refer to "Printing a Menu Map" (page 32) for more information.

- 2 Check that "duplex: installed" is shown in its header.



Note! When "duplex: uninstalled" is shown in the menu map, reinstall the duplex unit.

5 Configure the duplex unit in your printer driver.

Memo When your computer has no printer drivers installed for the printer, install a printer driver for the printer on it, referring to Installing a Printer Driver (page 36).

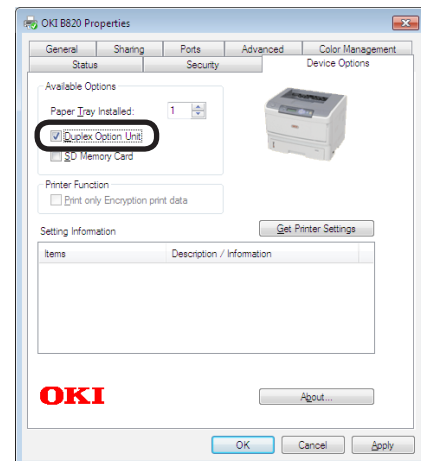
Note! Administrator privileges on your computer are required for Windows.

The following description uses Windows XP as an example.

Window PCL Printer Driver

- 1 In Windows 8.1/Windows Server 2012 R2/Windows 8/Windows Server 2012, select [Control Panel] - [Hardware and Sound] - [Devices and Printers].
 In Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].
 In Windows Vista/Windows Server 2008, choose [Start] - [Control Panel] - select [Printer] under [Hardware and Sound] on the [Control Panel Homepage].
 In Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].
 In Windows Server 2003, select [Start] - [Printers and Faxes].

- 2 Right-click the [OKI B820] icon and select [Printer properties].
- 3 Checkmark [Duplex Option Unit] under [Available Options] on the [Device Options] tab and click [OK].



Memo When you click [Get Printer Settings] with the printer connected over a network via TCP/IP, the duplex unit is automatically configured.

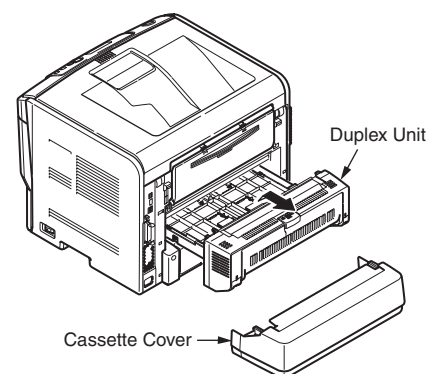
Memo The duplex unit can be removed by using the following procedure:

- 1 Turn off the printer.

Memo To turn off the printer, refer to Turning Off the Printer (page 20).

- 2 Lifting the duplex unit, detach it.

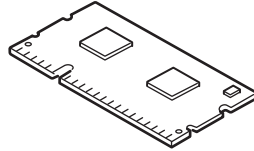
Note! The cassette cover becomes detached when the duplex unit is detached.



- 3 Attach the cassette cover you removed in the step 1.

Additional Memory

You can install additional memory to the printer to increase the memory capacity of the printer. When the printer has a memory storage error "System memory overflows" due to a large data, or displays "COLLATE FAIL" in making collated sets of copies, install additional memory.



Additional Memory

- Note!** • Be sure to use Oki Data original genuine additional memory. Oki Data does not guarantee the operations of the printer if non Oki Data genuine additional memory is used for the printer.
- The printer has one memory slot.

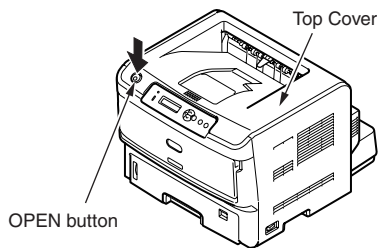
1 Turn off the printer and remove the power cord and the printer cable.

- Note!** Installing additional memory to the printer with the printer turned on may damage the printer or the additional memory.

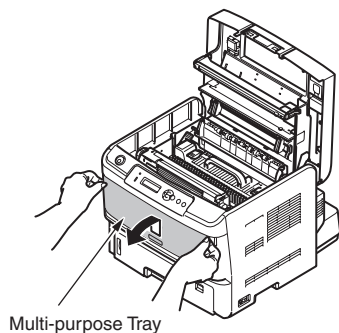
Memo To turn off the printer, refer to "Turning Off the Printer" (page 20).

2 Open the top cover and the front cover.

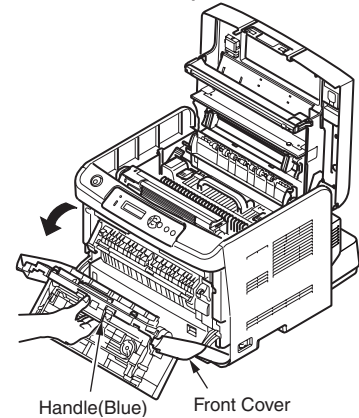
- 1** Press the OPEN button to open the top cover.



- 2** Open the multi-purpose tray.

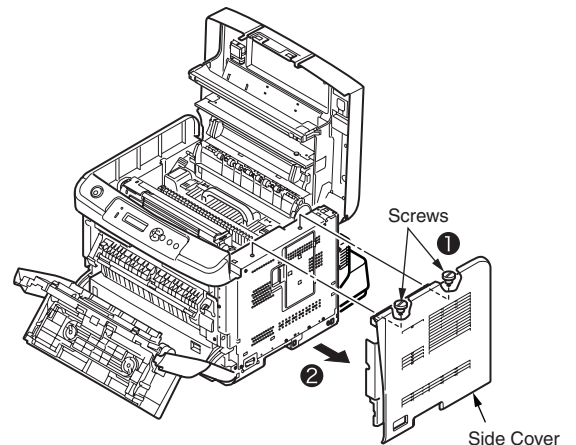


- 3** Push up the (blue) handle at the center of the front cover to open it.



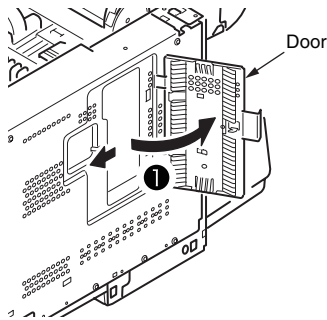
3 Remove the side cover.

- 1** Loosen the (two) screws.
- 2** Remove the side cover. Move the side cover outwards to remove it while holding it by the upper portion.

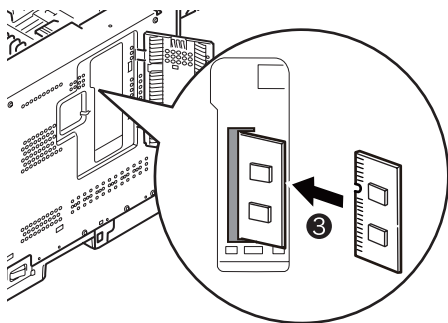


4 Attach additional memory.

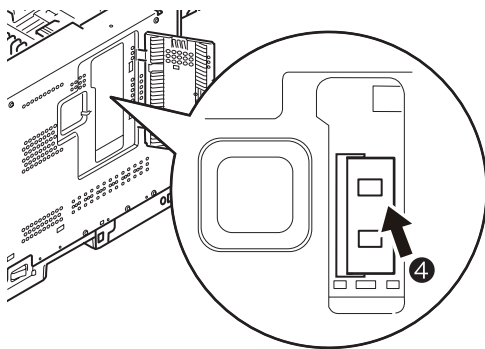
- 1 Before putting the additional memory out of its bag, eliminate static electricity from it by contacting the bag with metal.
- 2 Slide the metal plate door in the direction of the arrow to open it.



- 3 Insert the additional memory diagonally into its slot.



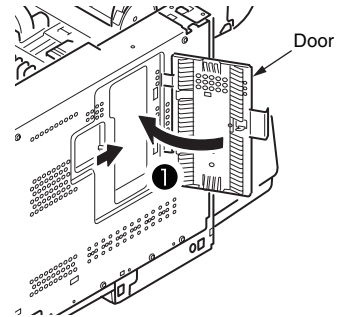
- 4 Press the additional memory toward the printer to fix it.



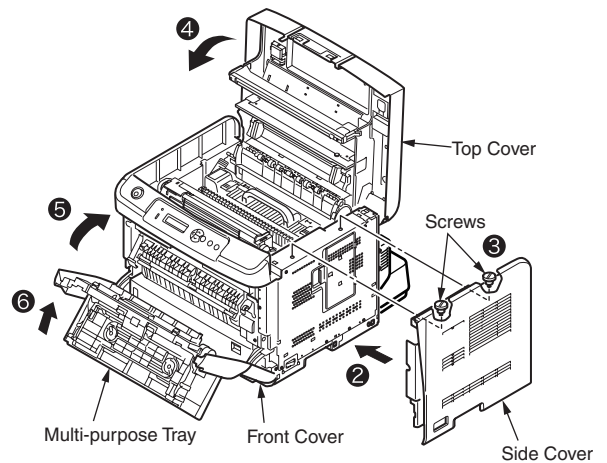
- Note!**
- Do not touch the electronic components or the connector terminals.
 - Observe the orientation of the additional memory. Its terminals have cutouts to fit into the connector in the slot.

5 Attach the side cover.

- 1 Close the Door and slide to the direction of the arrow.



- 2 Attach the side cover.
- 3 Secure the side cover with the (two) screws.
- 4 Close the top cover.
- 5 Close the front cover.
- 6 Close the multi-purpose tray.



6 Reconnect the power cord and printer cable to the printer, and turn on the power.

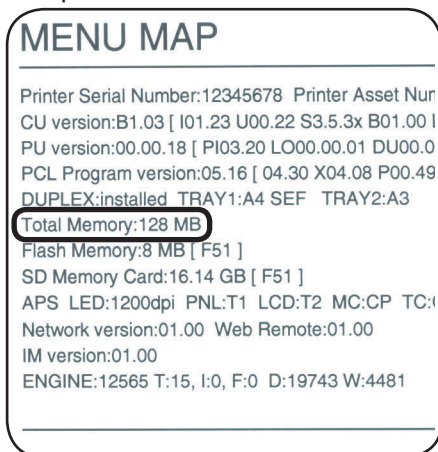
- Note!** Reinstall the additional memory when the operator panel displays [SERVICE CALL 031: ERROR].

7 Print a menu map and check the additional memory is properly installed.

- 1 Print a menu map.

Memo Refer to "Printing a Menu Map"(page 32) for more information.

- 2 Check the total memory capacity in the menu map header information.



Note! If [Total Memory] is not properly displayed, turn off the power and reinstall the memory.

8 Configure the total memory capacity in your printer driver.

Memo When your computer has no printer drivers installed for the printer, install a printer driver for the printer on it, referring to Installing a Printer Driver (page 36).

Note! Unnecessary of this setting for PCL printer driver.

Windows PostScript Printer Driver

- 1 Select [Start]-[Control Panel]-[Printers and Other Hardware]-[Printers and Faxes]. And Right-click the OKI B840 (PS) icon and select [Properties].
- 2 Select an appropriate value for [Memory Configuration] under [Installable Options] on the [Device Settings] tab and click [OK].

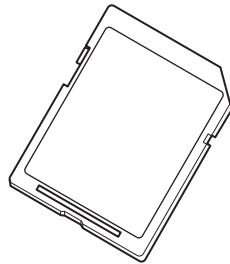
Mac OS X PostScript Printer Driver

- In Mac OS X, select [OKI B840] under [Print & Scan] and click [Options & Supplies]. Select the [Drivers] tab, select an appropriate value for [Memory Configuration] and click [OK].

SD Memory Card

When performing secure printing, encrypted secure printing, print job storage or buffer printing, or when the printer displays [COLLATE FAIL] in making collated sets of copies, use an SD memory card.

Note! Be sure to use an Oki Data original genuine SD memory card. Oki Data does not guarantee the operations of the printer if non Oki Data genuine one is used for the printer.



Order No.: 44301003

Installing an SD Memory Card

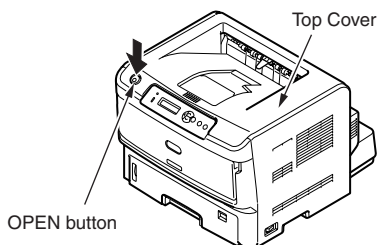
1 Turn off the printer and remove the power cord and the printer cable.

- Note!**
- The printer may be damaged by turning it off suddenly. Be sure to execute [SHUTDOWN MENU] before turning it off.
 - Installing an SD memory card to the printer with the printer turned on may damage the printer.

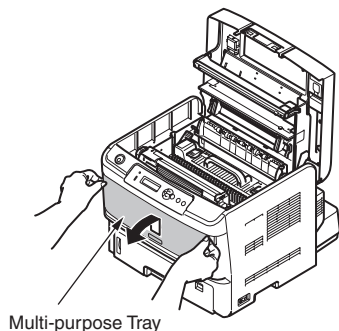
Memo To turn off the printer, refer to "Turning Off the Printer" (page 20).

2 Open the top cover and the front cover.

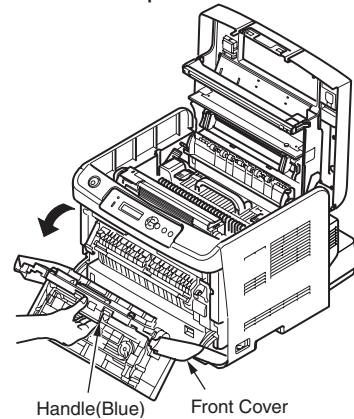
- 1** Press the OPEN button to open the top cover.



- 2** Open the multi-purpose tray.

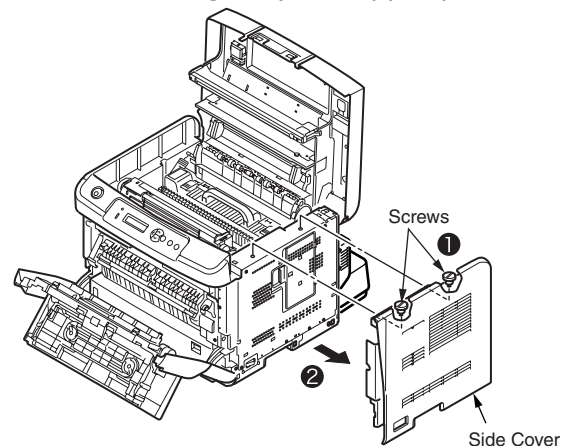


- 3** Push up the (blue) handle at the center of front cover to open it.



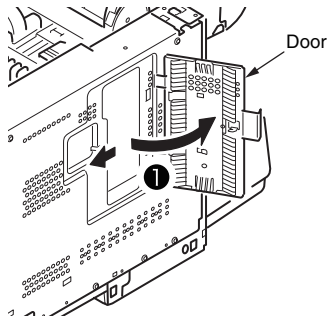
3 Remove the side cover.

- 1** Loosen the (two) screws.
- 2** Remove the side cover.
Move the side cover outwards to remove it while holding it by the upper portion.



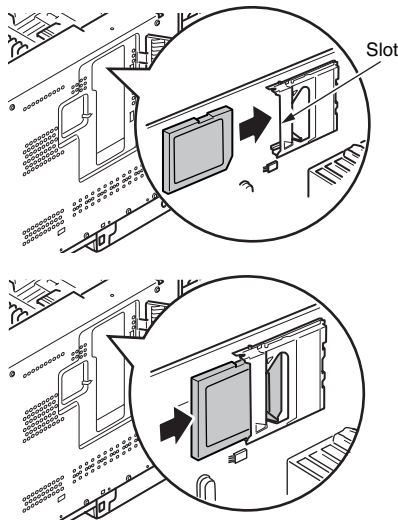
4 Attach an SD memory card.

- 1 Slide the metal plate door in the direction of the arrow to open it.

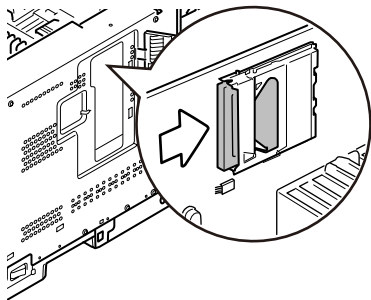


- 2 Observing the orientation of the SD memory card, insert it into its slot on the printer.

Note! The printer cannot use the SD memory card with its erasure protection switch disabled. Be sure to enable it.

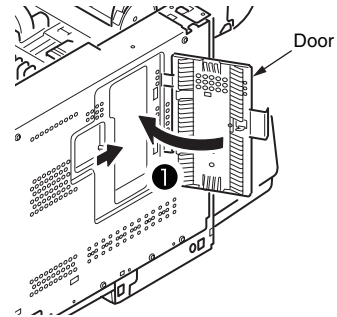


- 3 Press the SD memory card until you hear it clicks.

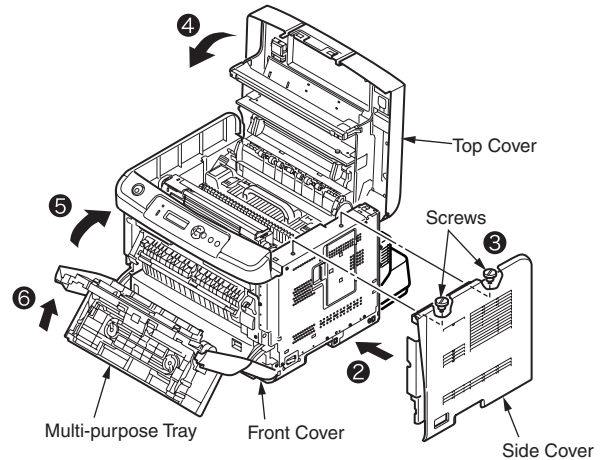


5 Attach the side cover.

- 1 Close the door, and slide the metal plate door in the direction of the arrow.



- 2 Attach the side cover.
- 3 Secure the side cover with the (two) screws.
- 4 Close the top cover.
- 5 Close the front cover.
- 6 Close the multi-purpose tray.



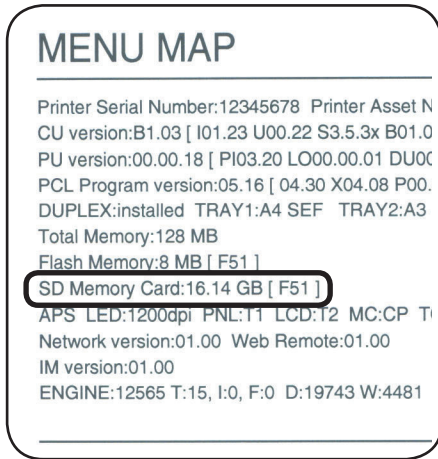
- 6 Reconnect the power cord and printer cable to the printer and turn on the power.

7 Check the SD memory card is properly installed.

- 1 Print a menu map.

Memo Refer to "Printing a Menu Map" (page 32) for more information.

- 2 Check that the capacity of the SD memory card is contained in the menu map header information.



Memo The SD memory card capacity in the header information may differ from that shown in the above example.

- Note!** When the SD memory card capacity is not contained in the header information, reinstall the SD memory card. Make sure the erasure protection switch of the SD memory card is enabled.
- Be sure to read the manual provided with a memory card authentication kit when using it.

For the printer to recognize the SD memory card, you need to configure the SD memory card in your printer driver.

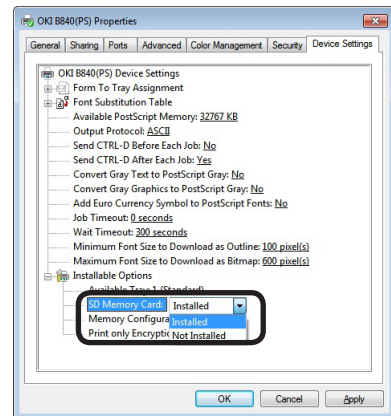
When your computer has no printer drivers set up for the printer, install a printer driver for the printer on it, referring to "Installing a Printer Driver" (page 36), before using the steps from the following page to configure the SD memory card.

8 Configure the [SD memory card] in the printer driver.

- Note!** Administrator privileges on the computer are required.
- Unnecessary of this setting for Mac OS X PCL printer driver.

For Those Using Windows PostScript Printer Driver

- 1 In Windows 7/Windows Server 2008 R2, select [Start]-[Devices and Printers]. In Windows Vista/Windows Server 2008, select [Start]-[Control Panel] and click [Printers]. In Windows XP, select [Start]-[Control Panel]-[Printers and Other Hardware]-[Printers and Faxes]. In Windows Server 2003, Select [Start]-[Printers and Faxes].
- 2 Right-click the [OKI B840 (PS)] icon and select [Properties].
- 3 Set to [Installed] from [SD Memory Card] of [Installable Options] on [Device Settings] tab.

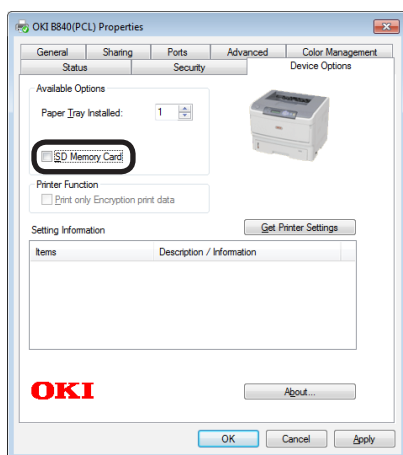


- 4 Click [OK].

Memo When you click [Install] or [Get Installable options automatically] with the printer connected over a network via TCP/IP, configuration can be made automatically.

Windows PCL Printer Driver

- ① In Windows 8.1/Windows Server 2012 R2/Windows 8/Windows Server 2012, select [Control Panel] - [Hardware and Sound] - [Devices and Printers].
In Windows 7/Windows Server 2008 R2, select [Start]-[Devices and Printers].
In Windows Vista/Windows Server 2008, select [Printers] under [Hardware and Sound] through [Start]-[Control Panel]-[Control Panel] Home.
In Windows XP, select [Start]-[Control Panel]-[Printers and Other Hardware]-[Printers and Faxes].
In Windows Server 2003, select [Start]-[Printers and Faxes].
- ② Right-click the [OKI B840 (PCL)] icon and select [Printer properties].
- ③ Select [Get Printer Settings] on the [Device Options] tab. When the printer is connected to your computer via USB, manually checkmark [SD Memory Card].



- ④ Click [OK].



When you click [Get Printer Settings] with the printer connected over a network via TCP/IP, configuration can be made automatically.

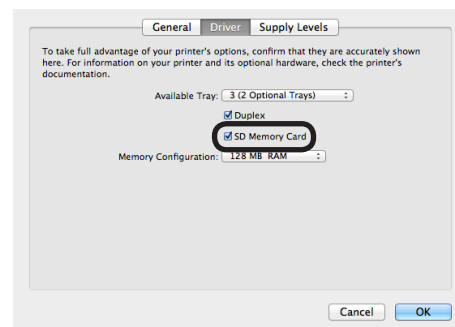
Mac OS X PS Printer Driver

When an option is added before the PS printer driver is installed, device information is automatically captured on Mac OS X. When the printer is connected using IP Print or Bonjour (Rendezvous), no information is obtained automatically.

When an option is added after the setup of printer driver, device information cannot be captured by using AppleTalk to connect.

In such a case, configure the option following the procedures as below.




- ① Select [Apple menu]-[System Preferences].
- ② Click [Print & Scan]. Select the printer, click [Options & Supplies] and select the [Driver] tab.
- ③ Checkmark [SD Memory Card] and click [OK].



Printing a Menu Map

Print a status information page to make sure the printer runs normally.

Check the printer option installation, printer menu settings and consumable usage by using the menu map.

- ❶ Load A4 paper in a tray.
- ❷ Be sure that the display shows [ONLINE].
- ❸ Press the  button more than once to display [INFORMATION MENU].
- ❹ Press the ENTER  button to display [PRINT MENU MAP/EXECUTE].
- ❺ Press the ENTER  button.

The printer starts printing a menu map.

<Example of Menu Map from B840dn>

```
15/06/2010 01:42
B840

MENU MAP

Printer Serial Number: 129857919 Printer Asset Number:
CU version:01.03 | CU 23 L00.02 S3.5.3c B01.00 L01.01 PFC 532MHz 14814100 000C000 F51 J0 |
PU version:00.00.18 | P00.20 L00.00.01 D020.00.06 T000.00.03 | ET 000100010004034318F0F001000000 K-1
PCL Program version: 9.14.00.006.00.00.49 F00.01.1 | P0 Program version:2011 F05101.01.18
DUPLICATE enabled TRAY1-A4 SEF TRAY2-A3
Total Memory 128 MB
Flash Memory 8 MB (F51)
SD Memory Card 16 GB (F61)
Language format 1.00
APS_LED 1000MHz PHL T1 LCD T2 MC CP TC CO
Network version:01.00 Web Remote:01.00
M version:01.00
ENGINE:1266 T:16,15,13, F:0 D:18743 W:4481

PRINT JOBS MENU
DISCRIPTED JOB
STORED JOB
INFORMATION MENU
PRINT MENU MAP
NETWORK:
PRINT FILE LIST
PRINT PCL FONT
PRINT PSE FONT
PRINT PPS FONT
PRINT FX FONT
PRINT ESCP FONT
PRINT ESCRIPT LOG
USAGE REPORT

SHUTDOWN MENU
SHUTDOWN START

PRINT MENU
COREL: 1
PAPER FEED: TRAY1
AUTO TRAY SWITCH: ON
TRAY SEQUENCE: DOWN
MP TRAY USAGE: DO NOT USE
MEDIA CHECK: ENABLE
REGULATION: 800PP
Toner Save Mode: DISABLE
ORIENTATION: PORTRAIT
LINES PER PAGE: 64 LINES
EDIT SIZE: CASSETTE SIZE
X SIZE: 210 MILLIMETER
Y SIZE: 297 MILLIMETER

MEDIA MENU
TRAY1 PAPER SIZE: CASSETTE SIZE
TRAY1 MEDIA WEIGHT: MEDIUM
TRAY1 LEGAL SIZE: LEGAL14
TRAY1 OTHER SIZE: TABL00
TRAY1 PAPER SIZE: CASSETTE SIZE
TRAY2 MEDIA TYPE: PLAIN
TRAY2 MEDIA WEIGHT: MEDIUM
TRAY2 LEGAL SIZE: LEGAL14
TRAY2 OTHER SIZE: TABL00
MP PAPER SIZE: A4 SEF
MP MEDIA TYPE: PLAIN
MP MEDIA WEIGHT: MEDIUM
UNIT OF MEASURE: MILLIMETER

SYS CONFIG MENU
POWER SAVE TIME: 120 MIN
SLEEP TIME: 10 MIN
PERSONALITY: AUTO EMULATION
PARALLEL PORT: LOCAL
USB PS-PROTOCOL: RAW
NET PROTOCOL: RAW
CLUSTER WARNING: ONLINE
AUTO CONTINUE: OFF
MANUAL TIMEOUT: 60 SEC
WAIT TIMEOUT: 60 SEC
TIMEOUT LOCAL: 60 SEC
TIMEOUT NET: 60 SEC
JAM RECOVERY: ON
ERROR REPORT: OFF
PCL EMULATION

FONT SOURCE: RESIDENT
FONT NO.: 0
FONT PITCH: 10.00 CPI
SYMBOL SET: PC-8
AA PRINT WIDTH: 78 COLUMN
WHITE PAGE SHIP: OFF
CR FUNCTION: CR
LF FUNCTION: LF
PRINT MARGIN: NORMAL
PEN WIDTH ADJUST: ON
TRAY 0N
PCL T00: 4
PCL T00: 1
PCL T00: 5

PPR EMULATION
CHARACTER PITCH: 10 CPI
FONT CONDENSE: 100P TO 200P
CHARACTER SET: SET-2
SYMBOL SET: IBM437
LETTER O STYLE: DISABLE
ZERO CHARACTER: NORMAL
LINE PITCH: 6 LPR
WHITE PAGE SHIP: OFF
CR FUNCTION: CR
LF FUNCTION: LF
LINE LENGTH: 80 COLUMN
FORM LENGTH: 11.7 INCH
TOP POSITION: 0.0 INCH
LEFT MARGIN: 0.0 INCH
FIT TO LETTER: DISABLE
TEXT HEIGHT: SAME
CONT PAPER MODE: OFF

FX EMULATION
CHARACTER PITCH: 10 CPI
CHARACTER SET: SET-2
SYMBOL SET: IBM437
LETTER O STYLE: DISABLE
ZERO CHARACTER: NORMAL
LINE PITCH: 6 LPR
WHITE PAGE SHIP: OFF
CR FUNCTION: CR
LF FUNCTION: LF
LINE LENGTH: 80 COLUMN
FORM LENGTH: 11.7 INCH
TOP POSITION: 0.0 INCH
LEFT MARGIN: 0.0 INCH
FIT TO LETTER: DISABLE
TEXT HEIGHT: SAME
CONT PAPER MODE: OFF

PARALLEL MENU
PARALLEL: ENABLE
BI-DIRECTION: ENABLE
EFFECT: NORMAL
ACK WIDTH: NARROW
ACK/BUSETTING: ACK IN BUSY
IPRINT: DISABLE
OFFLINE RECEIVE: DISABLE

USB MENU
USB: ENABLE
USB RESET: DISABLE
SPEED: NORMAL
OFFLINE RECEIVE: DISABLE
SERIAL NUMBER: ENABLE

NETWORK MENU
```

<Example of Menu Map from B820n>

```
16/06/2010 19:44
B820

MENU MAP

Printer Serial Number: 129857919 Printer Asset Number:
CU version:01.03 | CU 23 L00.02 S3.5.3c B01.00 L01.01 PFC 532MHz 14814100 000C000 F51 J0 |
PU version:00.00.18 | P00.20 L00.00.01 D020.00.06 T000.00.03 | ET 000100010004034318F0F001000000 K-1
PCL Program version: 9.14.00.006.00.00.49 F00.01.1 | P0 Program version:2011 F05101.01.18
DUPLICATE enabled TRAY1-A4 LEF15(mhp)
Total Memory 88 MB
Flash Memory 8 MB (F51)
SD Memory Card 16 GB (F61)
Language format 1.00
APS_LED 1000MHz PHL T1 LCD T1 MC CP TC CO
No Option
M version:01.00
ENGINE:17211 T:16,15,13, F:0 D:18778 W:4302

INFORMATION MENU
PRINT MENU MAP
PRINT FILE LIST
PRINT PCL FONT
PRINT ESCP FONT
PRINT ESCRIPT LOG
USAGE REPORT

SHUTDOWN MENU
SHUTDOWN START

PRINT MENU
COREL: 1
PAPER FEED: MP TRAY
AUTO TRAY SWITCH: ON
TRAY SEQUENCE: DOWN
MP TRAY USAGE: DO NOT USE
MEDIA CHECK: ENABLE
REGULATION: 800PP
Toner Save Mode: DISABLE
ORIENTATION: PORTRAIT
LINES PER PAGE: 64 LINES
EDIT SIZE: CASSETTE SIZE
X SIZE: 210 MILLIMETER
Y SIZE: 297 MILLIMETER

MEDIA MENU
TRAY1 PAPER SIZE: CASSETTE SIZE
TRAY1 MEDIA TYPE: PLAIN
TRAY1 MEDIA WEIGHT: MEDIUM
TRAY1 LEGAL SIZE: LEGAL14
TRAY1 OTHER SIZE: TABL00
MP PAPER SIZE: A4 LEF15
MP MEDIA TYPE: PLAIN
MP MEDIA WEIGHT: MEDIUM
UNIT OF MEASURE: MILLIMETER

SYS CONFIG MENU
POWER SAVE TIME: 180 MIN
SLEEP TIME: 10 MIN
PERSONALITY: AUTO EMULATION
PARALLEL PORT: LOCAL
CLUSTER WARNING: ONLINE
AUTO CONTINUE: OFF
MANUAL TIMEOUT: 60 SEC
WAIT TIMEOUT: 60 SEC
TIMEOUT LOCAL: 60 SEC
TIMEOUT NET: 60 SEC
JAM RECOVERY: ON
ERROR REPORT: OFF

PCL EMULATION
FONT SOURCE: RESIDENT
FONT NO.: 0
FONT PITCH: 10.00 CPI
SYMBOL SET: W8V0 L1
AA PRINT WIDTH: 78 COLUMN
WHITE PAGE SHIP: OFF
CR FUNCTION: CR
LF FUNCTION: LF
PRINT MARGIN: NORMAL
PEN WIDTH ADJUST: ON
TRAY 0N
PCL T00: 4
PCL T00: 1

8077 EMULATION
LEFT MARGIN: 6 MILLIMETER
RIGHT MARGIN: 6 MILLIMETER

TOP MARGIN: 6 MILLIMETER
BOTTOM MARGIN: 6 MILLIMETER
IMAGE WRAP MODE: ON
LANDSCAPE: REV LANDSCAPE
CAN FUNCTION: ON

ESCP EMULATION
KANA FONT: AUTO
ANK FONT: ASCII
SYMBOL SET: KANA
ZERO CHARACTER: NORMAL
REDUCTION PRINT: NORMAL
PRINT POSITION: 6.5 MILLIMETER
H OFFSET: 0.0 MILLIMETER
RIGHT MARGIN: WIDTH
CR FUNCTION: CR
AUTO LF: SINGLE
SELECT: DISABLE
AUTOFEED: DISABLE
IMAGE: REGULAR

PARALLEL MENU
PARALLEL: DISABLE
BI-DIRECTION: ENABLE
EFFECT: NORMAL
ACK WIDTH: NARROW
ACK/BUSETTING: ACK IN BUSY
IPRINT: DISABLE





USB MENU
USB: ENABLE
USB RESET: DISABLE
SPEED: NORMAL
OFFLINE RECEIVE: ENABLE

MAINTENANCE MENU
MENU RESET
SAVE MENU
POWER SAVE: ENABLE
SLEEP: ENABLE
USE HOST POWER: OFF
PAPER BLACK SET: 0
TAMPER BLACK SET: 0
DARKNESS: 0
BAR SETTING: 0
ROT SETTING: 0

USAGE MENU
TRAY PAGE COUNT: 1628
MP PAGE COUNT: 1670
FUSER LIFE: REMAINING 89 %
OP TONER 80.00: REMAINING 37 %
```


Printing Network Information

You can check network-related information.

- ① Load A4 paper in a tray.
- ② Be sure that the display shows [ONLINE].
- ③ Press the  button more than once to display [INFORMATION MENU], and press the ENTER  button.
- ④ Press the  button to display [NETWORK/EXECUTE].
- ⑤ Press the ENTER  button.

The printer prints Network Information.

<Example>

MAC Address

Network Information

Printer Information

Printer Name: Oki-B840-S49CIB
 Printer Serial Number: 123456789
 Printer Asset Number: 123456789

General Information

Network Model: Oki AN E800e	File Version (NEW/DFL/DLCL): 00.00 / 00.00 / 00.00 / 00.02 / 00.02
Network FW Version: 02.00	
Web Remote Version: 02.00	
MAC Address: 00:0C:29:34:0C:00	
Hub Link Setting: Auto	
Network Status: OK	
Unicast Packets Received: 0	Unicast Packets Transmitted: 0
Packets Transmitted: 0	Bad Packets Received: 0
Total Packets Received: 0	Total Packets Received: 0
Disable	Disable

IEEE802.1X Status: Disable

Protocol ON/OFF

TCP/IP: Enable	NetWare: Disable	Disable
NatBCC: Disable	EtherTalk: Enable	Disable
NatBCC over TCP: Enable		

TCP/IP Configuration

IP Address Set: Manual
 Enable || IPv4 Address: 192.168.0.2 | Enable |
Subnet Mask: 255.255.0.0	
Gateway Address: 192.168.0.254	
WINS Server (Primary): 0.0.0.0	
WINS Server (Secondary): 0.0.0.0	
WINS Registration Status: Registration of a name is successful	
DNS Server (Primary): 0.0.0.0	
DNS Server (Secondary): 0.0.0.0	
Dynamic DNS: Disable	
DDNS Host Name: B840-S49CIB	
DDNS Domain Name: B840-S49CIB	
DDNS Registration Status: Disable	

NetWare Configuration

NetWare Mode: Client Server Mode (Print Server + Bindery/NDS + IPX)

Printer Name: Oki-B840-S49CIB

Network No: 00000000

P-Server Mode

Print Server Name: Oki-B840-S49CIB-PS

Job Polling Rate: 4 Sec

Bindery Mode: Enable

NDS Mode: Enable

Tree Name: Enable

Context Name: Enable

R-Printer Mode

Printer Name: Oki-B840-S49CIB-PR

Job Timeout: 30 Sec

EtherTalk Configuration

EtherTalk Printer Name: B840

Type Name: LaserWriter

Zone Name: Enable

Address: Enable

Mode: Enable

1 Setting Up

Printing Network Information 33

Connecting a Cable

1 Turn off the printer (O).

2 Connect a cable.

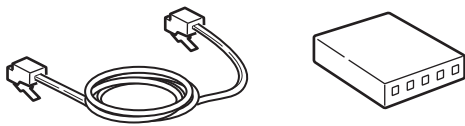
For a Network Connection

1 Prepare an Ethernet cable and a hub.

Note! No Ethernet cables or hubs are supplied with the printer. Separately prepare an Ethernet cable (a straight-through twisted-pair cable of Category 5 or above).

<Ethernet Cable>

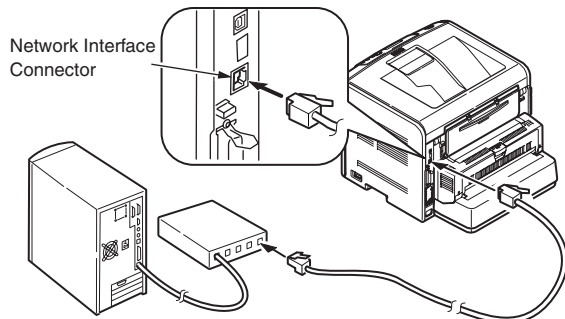
<Hub>



2 Connect the printer to a network.

1 Plug the Ethernet cable into the network interface connector of the printer.

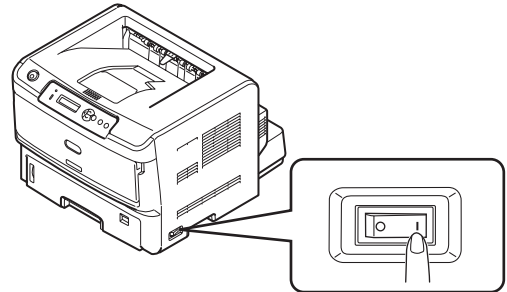
2 Plug the Ethernet cable into the hub.



<Setting an IP Address>

For a connection via a network, set the IP address, subnet mask and gateway address of the printer.

1 Turn on the printer.



2 Be sure the operator panel displays [ONLINE].



ONLINE

3 Press the  or  button more than once to display [NETWORK MENU].



NETWORK MENU

4 Press the ENTER  button.

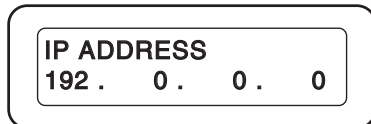
TCP/ IP
ENABLE *

5 Press the  button more than once to select [IP ADDRESS], and press the ENTER  button.

IP ADDRESS
0 . 0 . 0 . 0*

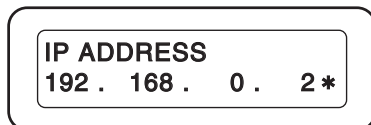
- ⑥ The first byte of the IP address blinks. Press the  or  button more than once to display the value you want to set.




Press the button for 2 seconds or more consecutively and the value fast forwards.



- ⑦ Press the **ENTER**  button. The second byte of the IP address blinks.

Repeat steps ⑥ ~ ⑦ to set all the bytes of the IP address.



- ⑧ Press the **BACK**  button.
- ⑨ Press the  button more than once to set [SUBNET MASK] and [GATEWAY ADDRESS] in the same way.
- ⑩ Press the **ON LINE**  button when you finish setting them.

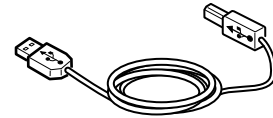
The settings are stored on the printer and the network functions restarts.

The setup is complete when the operator panel displays [ONLINE].

For a USB Connection

- ① Prepare a USB cable.

Note! No printer cables are supplied with the printer. Separately prepare a USB-2.0 cable.

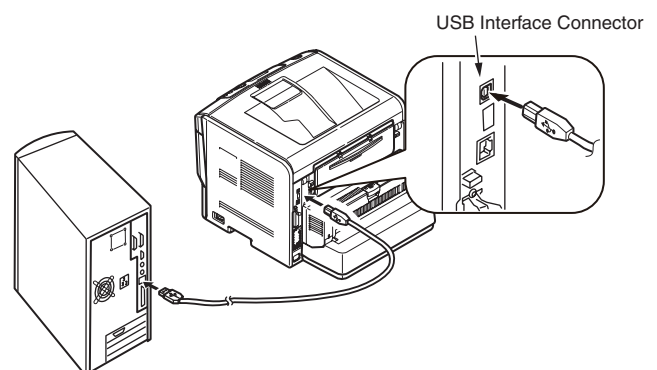


- ② Connect the USB cable.

- ① Plug the USB cable into the USB interface connector of the printer.

Note! Be careful not to plug the USB cable into the network interface connector. Otherwise error may occur.

- ② Plug the USB cable into the USB interface connector of your computer.



Installing a Printer Driver

System Requirements

- Windows 8.1/Windows 8.1(64bit)
 - Windows Server 2012 R2(64bit)
 - Windows 8/Windows 8(64bit)
 - Windows Server 2012(64bit)
 - Windows 7/Windows 7(64bit)
 - Windows Vista/Windows Vista(64bit)
 - Windows Server 2008/Windows Server 2008(64bit)/Windows Server 2008 R2(64bit)
 - Windows XP/Windows XP(64bit)
 - Windows Server 2003/Windows Server 2003(64bit)
-
- Mac OS X 10.6.8 ~ 10.9

Types of Printer Drivers

B840dn



Type	Description
PS	Suitable for printing documents including a PostScript font or EPS data.
PCL	Suitable for normal printing.

B820n

Type	Description
PCL	Suitable for normal printing.



Printer Driver Installation

Windows (B840dn or B820n)



- Network Connection  [Page 37](#)
- USB Cable Connection  [Page 40](#)

Macintosh

B840dn

Mac OS X	Network Connection  Page 42
	USB Cable Connection  Page 47

B820n

Mac OS X	Network Connection  Page 42
	USB Cable Connection  Page 47

Memo Information in this document may not be up-to-date due to printer driver, Windows or Mac OS X version update.

Setting Up on Windows with a Network Connection

Setup Flow

Set IP address for printer.(For more information, please refer to [page 34](#)).



Install the printer driver and Standard TCP/IP Port from the DVD-ROM supplied with the printer and configure the network printer.

Setting Up

The description below uses the following environment as an example:

Windows : Windows 7 Home Premium Edition
Printer: : B840dn
IP Address: : 192.168.0.3 (Computer *),
192.168.0.2 (Printer)
Subnet Mask : 255.255.255.0
Gateway Address : 192.168.0.1

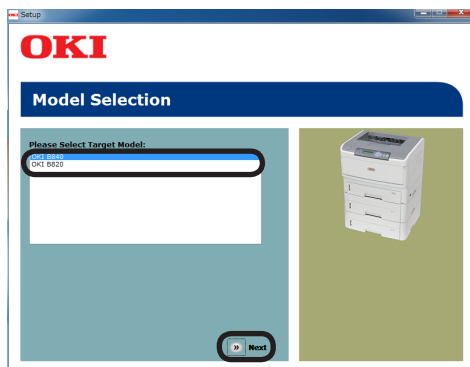
* Consult your network administrator for the IP address.

① Be sure that the printer is connected to your computer and turned on, and then insert Software DVD-ROM into the computer.

② Click [setup.exe] when [Autorun] is displayed.

Click [OK] when the [User Account Control] dialog box appears.(Click [Continue] in Windows Vista.

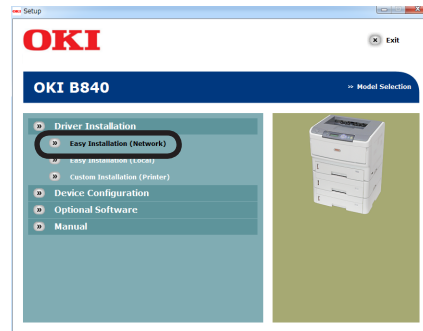
③ Select the model and click [Next].



④ Read the license agreement and click [I Agree].

⑤ Select [Easy Installation (Network)] under [Driver Installation].

Memo [Easy Installation (Network)] installs all drivers for operating system you use. To choose manually a driver to install; install a shared printer; or use OKI LPR Utility for printing: select [Custom Installation(Printer)], and follow the instructions on your screen.



⑥ Click [Next].



A device search starts.

When the printer is detected:

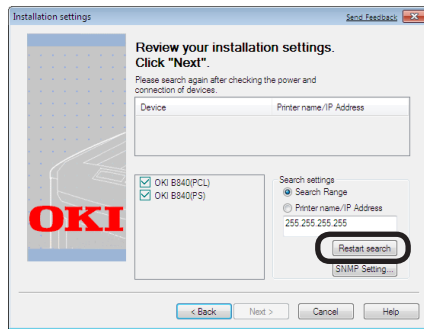
Installation automatically starts. Go to step ⑧ .

When the printer is not detected:

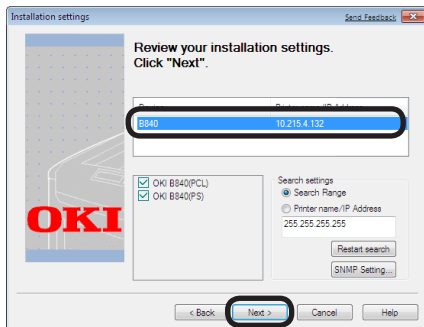
[Installation settings] screen is displayed. Go to step ⑦ .

Memo Network Extension is installed simultaneously with all printer drivers for the operating system.

7 Click [Restart search] to restart the device search.



When the device is displayed, select it and click [Next].

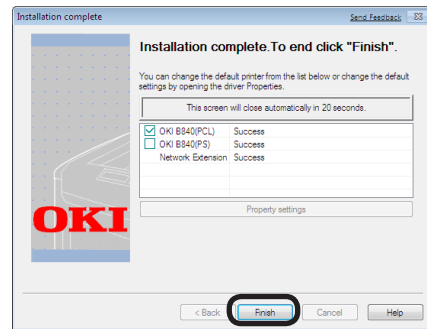


- Memo**
- When the printer is not displayed after clicking [Restart search], select [IP Address], enter the IP address assigned to the printer and click [Next].
 - Network Extension is installed simultaneously with all printer drivers for the operating system.

8 Click [Install this driver software] when the [Windows Security] dialog box appears.

In Windows XP/Windows Server 2003, click [Continue] when [Install of hardware] dialog box appears.

9 Click [Finish]. The installation finishes.



To add the unchecked driver to the commonly used printer, select the driver you want to set.

When an optional second tray unit has been installed before the driver installation, click [Open Properties Screen] and change settings for the tray.

Note! Click [Yes] when a dialog box prompting you to restart the computer appears. The computer automatically restarts.

Memo To change a option setting in a driver, see the instructions for "configuring printer driver settings" (page 49).

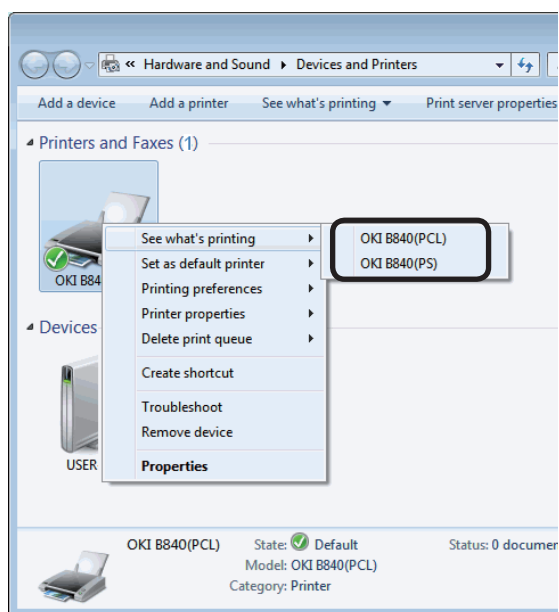
10 Click [Start] and select [Devices and Printers].

In Windows 8/8.1/Windows Server 2010/2012 R2, select [Control Panel]-[Devices and Printers].

In Windows Vista/Windows Server 2008, click [Start] and select [Control Panel]-[Printers].

In Windows XP/Windows Server 2003, click [Start] and select [Printers and Faxes].

- 11 Right-click the OKI B840 icon and choose any of the menu items to verify that all installed drivers appear in the sub-menu under it.



In Windows 8.1/Server 2012 R2/Windows 8/Server 2012/Windows 7/Windows Vista/Windows Server 2008/Windows XP/Windows Server 2003, verify that the icon representing each driver is displayed.

- 12 Remove Software DVD-ROM from the computer.

The installation is complete.

Setting Up on Windows with a USB Connection

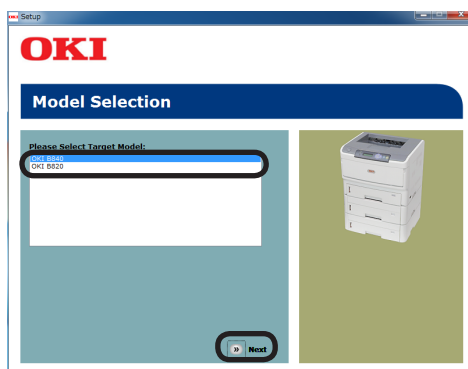
Memo Use a USB-2.0 interface cable not longer than 5 m (2 m or less is recommended).

- Note!**
- While the printer performs printing, do not unplug or plug its USB cable.
 - Do not plug the printer's USB cable shortly after unplugging it. Wait five seconds or more between unplugging and plugging the USB cable.
 - When connecting with other USB compatible devices, the printer cannot be guaranteed to run normally.
 - A USB hub to use to connect must be connected directly to your computer.
 - Information in this document may not be up-to-date due to printer driver version update.
 - Administrator privileges are required for setting up.

- 1 Be sure that the printer is not turned on and the printer's USB cable is unplugged from your computer.
- 2 Turn on the computer.
- 3 Insert Software DVD-ROM into the computer.
- 4 Click [setup.exe] when [Autorun] is displayed.

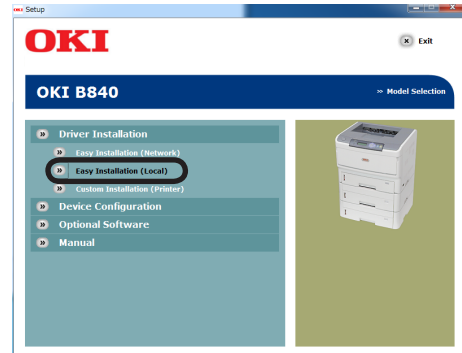
Click [OK] when the [User Account Control] dialog box appears. Click [Continue] in Windows Vista.

- 5 Select the model and click [Next].



- 6 Read the license agreement and click [I Agree].

- 7 Select [Easy Installation (Local)] under [Driver Installation].



Memo [Easy Installation (Local)] installs all drivers for operating system you use. To choose manually a driver to install, select [Custom Installation(Printer)] and follow the instructions on your screen.

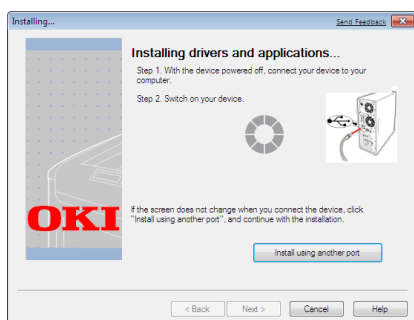
- 8 Click [Next]. Installation starts.



- 9 Click [Install this driver software] when the [Windows Security] dialog box appears.

In Windows XP/Windows Server 2003, click [Continue] when [Install of hardware] dialog box appears.

- 10 A prompt telling you to connect the printer to the computer and turn on the printer appears. Connect them via the USB cable and turn on the printer.



Follow the instructions on your screen to complete the installation.

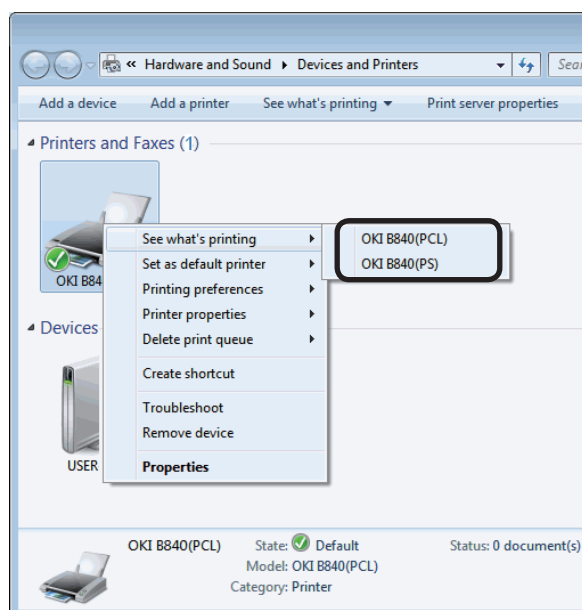
- 11 Click [Finish] when [Installation complete] window appears.
- 12 Click [Start] and select [Devices and Printers].

In Windows 8/8.1/Windows Server 2010/2012 R2, select [Control Panel]-[Devices and Printers].

In Windows Vista/Windows Server 2008, click [Start] and select [Control Panel]-[Printers].

In Windows XP/Windows Server 2003, click [Start] and select [Printers and Faxes].

- 13 Right-click the OKI B840 icon and choose any of the menu items to verify that all installed drivers appear in the sub-menu under it.



In Windows 8/8.1/Server 2012/2012 R2/Windows Vista/Windows Server 2008/Windows XP/Windows Server 2003, verify that the icon representing each driver is displayed.

- 14 Remove Software DVD-ROM from the computer.

The installation is complete.

Setting Up on Mac OS X with a Network Connection

Setting Up a Network Connection

1 Determine a way of printing.

There are two ways of printing under Mac OS X -- Bonjour and TCP/IP. Firstly, determine which of them to use.

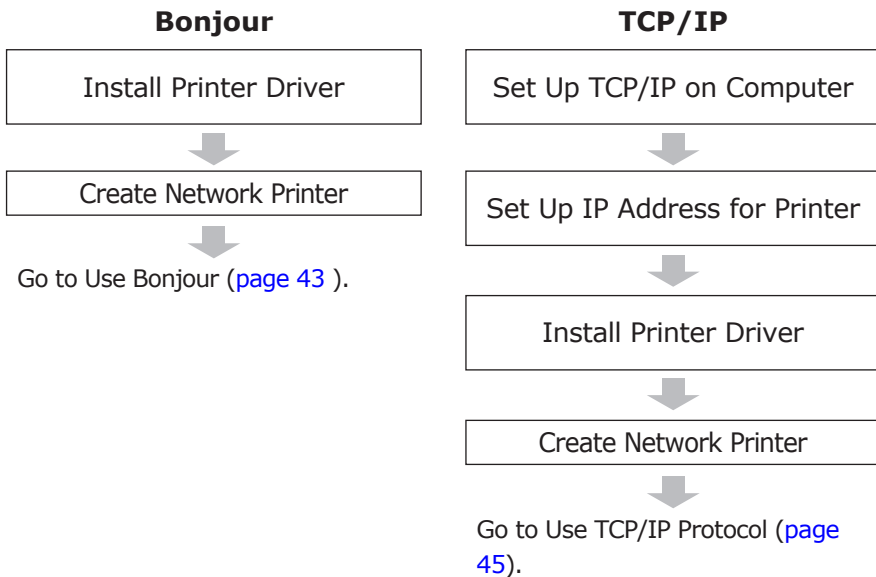
B840dn and B820n

Product	Way of Printing	Usable Drivers	
		PS	PCL
B840dn	Bonjour	○	○
	TCP/IP	○	○
B820n	Bonjour	-	○
	TCP/IP	-	○

Features of Ways of Printing

Way of Printing	Feature
Bonjour	Uses Mac OS X standard functionality.
TCP/IP	Uses Mac OS X standard TCP/IP with a PS driver, and a PCL driver.

2 Setup Flow



1 Install a printer driver.

- 1 Disable anti-virus software.
- 2 Insert Software DVD-ROM into your computer.
- 3 Open the [Drivers] folder and double-click the folder of the printer driver you will add.
- 4 Double-click [Installer for OSX.pkg] in the [Driver] folder.



Installer for OSX.pkg

- 5 Following the instructions on your screen, install a printer driver. When an authentication dialog box appears, enter your administrator's name and password and click [Install Software].

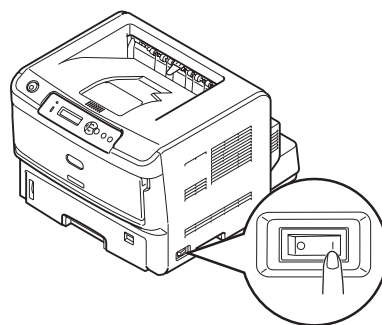


2 Set up the printer.

Use Bonjour

Note! When [Print & Scan] preferences dialog box is open, click x to close it.

1 Turn on the printer (I).



The printer displays [ONLINE] on the operator panel when it completely starts.



2 Set SLEEP.

- 1 Press the or button more than once to display [MAINTENANCE MENU].



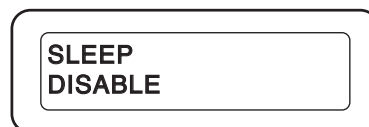
- 2 Press the **ENTER** button.




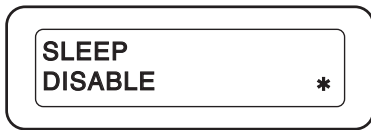
- 3 Press the button repeatedly to display [SLEEP], and press the **ENTER** button.



- 4 [ENABLE] blinks. Press the button to display [DISABLE].



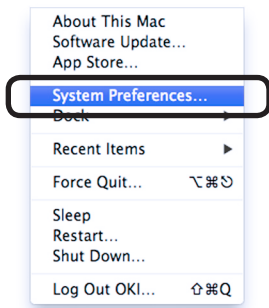
- Press the **ENTER**  button. Verify that an asterisk (*) appears at the right of [DISABLE].



- Press the **ON LINE**  button to display [ONLINE].

3 Set up your printer driver.

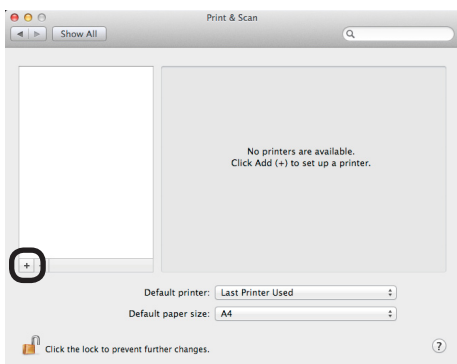
- Select [Apple menu]-[System Preferences].



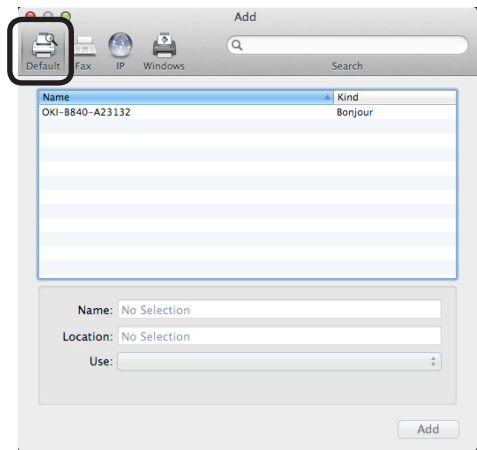
- Click [Print & Scan].



- Click [+].

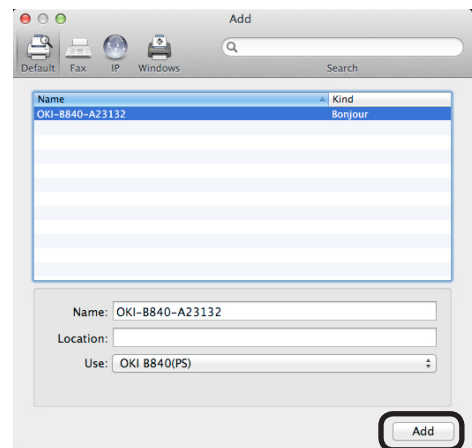


- Click [Default].

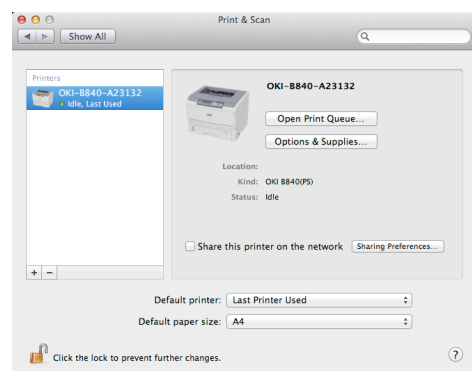


- When the name of the printer is displayed, verify that the port name you want to connect is displayed for [Kind] for the name.
- Select the printer, and click [Add] when the [Print Using] menu shows a correct model name.

- Memo**
- The printer name is [OKI-B840 (OKI-B820 for B820n)] + [the last six alphanumeric characters of the MAC address] for a Bonjour connection.
 - The MAC address is shown in Network Information ([page 33](#)).



- Verify that the added printer name is shown in Printer List.



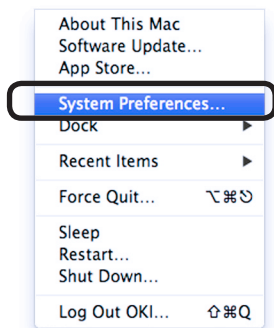
- Verify that the added printer name is properly shown for [Kind] and close the [Print & Scan] window.

Note! The printer name is not properly shown when the PS printer driver does not read an associated PPD file. In such a case, remove and readd the printer.

Use TCP/IP Protocol

Memo Refer to Setting an IP Address (page 34) for setting an IP address.

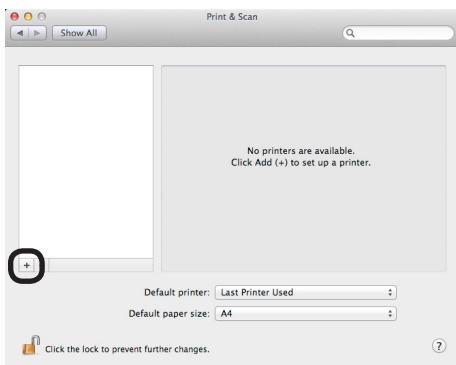
- Select [Apple menu]-[System Preferences].



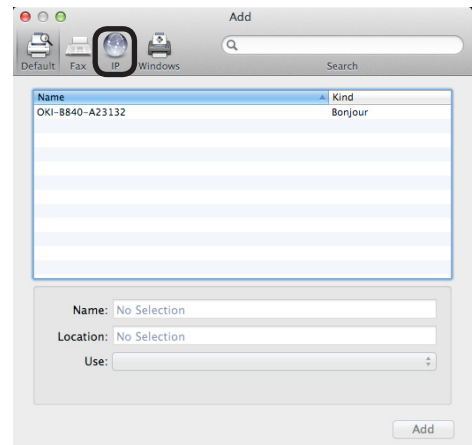
- Click [Print & Scan].



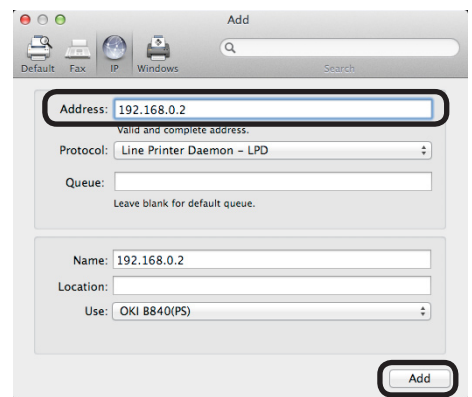
- Click [+].



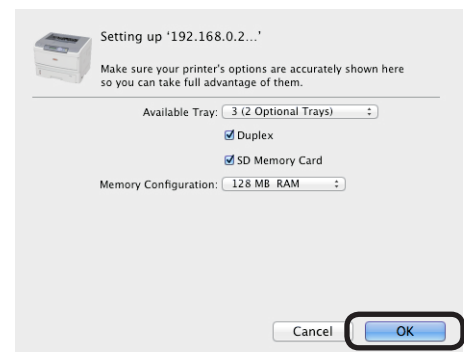
- Click [IP].



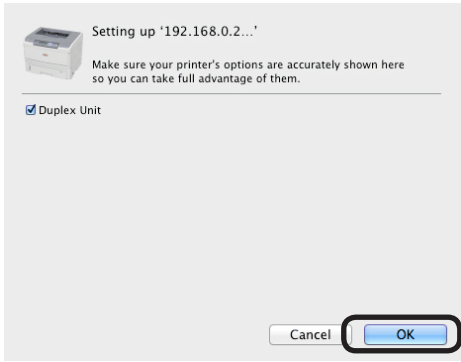
- Enter the printer's IP address for [Address] and click [Add].



- If [Setting up] is displayed, set the information in the options, then click [OK].

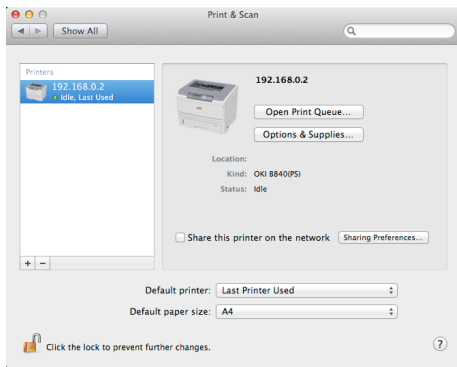


(When using a PS driver)



(When using a PCL driver)

- 7 Verify that the added printer name is shown in Printer List and exit [Print & Scan] .



Setting Up on Mac OS X with a USB Connection

Note! Due to the upgrades of Mac OS X and printer driver, the details described in this section may vary slightly.

B840dn PS Printer Driver System Requirements

USB interface-installed model of computer that runs Mac OS X 10.6.8 to 10.9

- Note!** • OCF or CID bitmap fonts cannot be used.
- SaiMincho and ChuGothic displayed in Mac OS X applications are printed as bitmaps.
- MicrolinePS Utility does not run on Mac OS X.

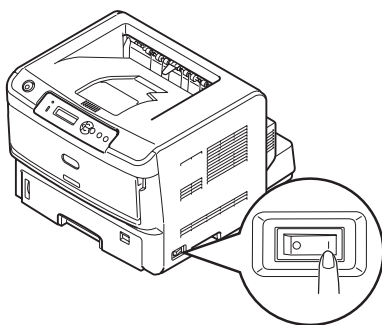
B840dn PCL/B820n PCL Printer Driver System Requirements

USB interface-installed model of computer that runs Mac OS X 10.6.8 to 10.9

- Note!** • The following functions the Mac OS printer driver supports cannot be used:
 - Changing paper size from A3 to A4 paper, or B4 to A4 paper
 - Setting on the options panel in the paper setup dialog box
 - Setting binding margins or positions on the layout panel
 - Adding free size
 - Watermarking
- As the OS Startup Volume, Mac OS Extended (Case-Sensitive) and Mac OS Extended (Case-Sensitive, Journaling) of HFSX file system cannot be used.
Use any of the following formats:
 - Mac OS Extended
 - Mac OS Extended (Journaling)

Memo Use a USB2.0 interface cable not longer than 5 m (2 m or less is recommended).

1 Turn on the printer (I).



The printer displays [ONLINE] on the operator panel when it completely starts.



2 Install a printer driver.

- 1 Disable anti-virus software.
- 2 Insert Software DVD-ROM into your computer.
- 3 Open the [Drivers] folder and double-click the folder of the printer driver you will add.
- 4 Double-click [Installer for OSX.pkg] in the [Drivers] folder.



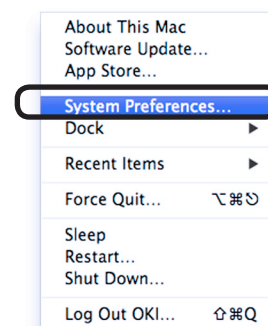
Installer for OSX.pkg

- 5 Following the instructions on your screen, install a printer driver. When an authentication dialog box appears, enter your administrator's name and password and click [Install Software].



3 Set up the printer with a USB connection.

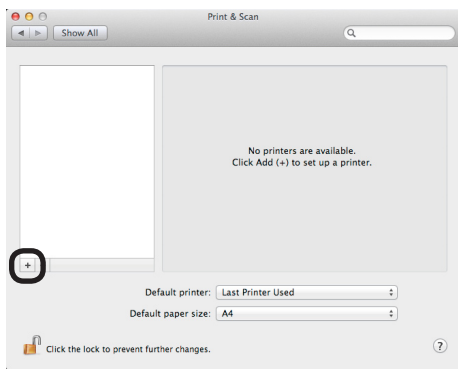
- 1 Click X to close the [Print & Scan] window.
- 2 Select [Apple menu]-[System Preferences].



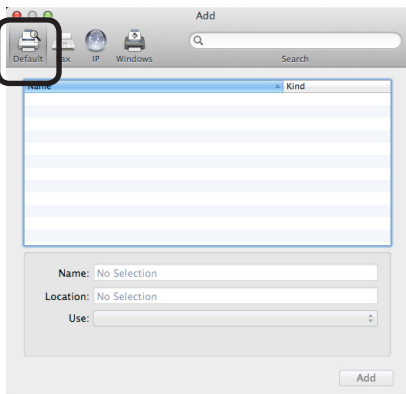
3 Click [Print & Scan].



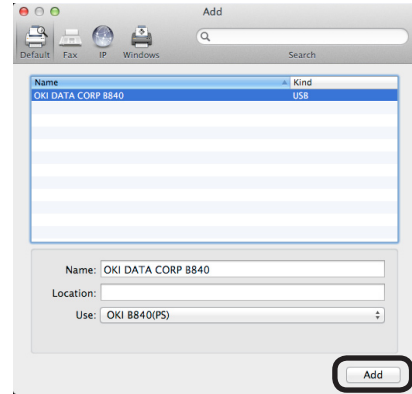
4 Click [+].



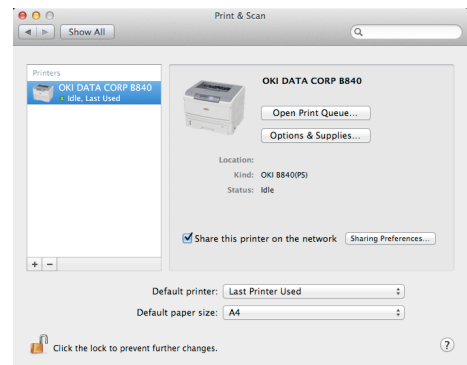
5 Click [Default].



6 Select the name of your printer for which USB is shown in [Kind] and when [Print Using] menu shows a correct model name, click [Add].



7 Verify that the added printer name is shown in Printer List.



8 Verify that the added printer name is properly shown for [Kind] and exit [Print & Scan].

Options

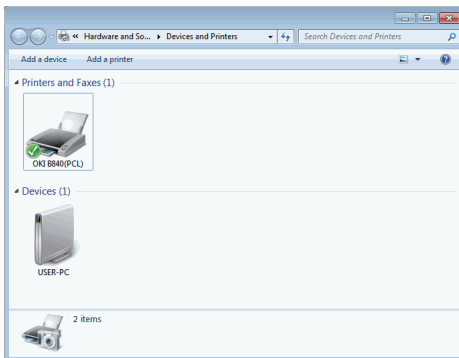
Memo When your computer has no printer drivers installed for the printer, install a printer driver, referring to Installing a Printer Driver (page 36).

For Those Using Windows

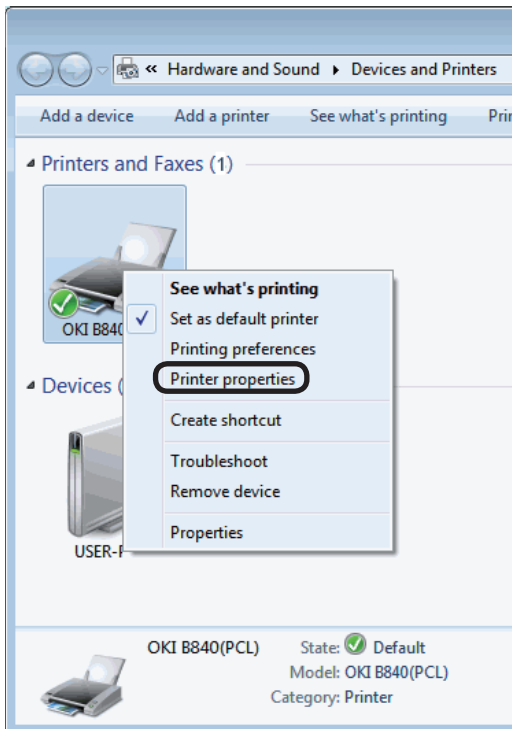
After an SD memory card or a second tray unit is installed on the printer, configure your printer driver using the steps below.

Note! Administrator privileges on the computer are required.

1 Select [Start]-[Devices and Printers].



2 Right-click the icon of the printer and select [Printer properties].



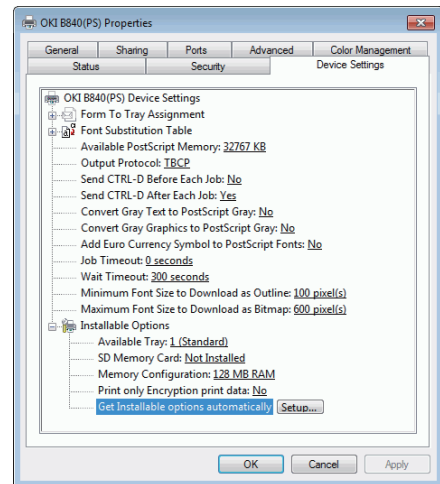
3 Configure your printer driver.

■ PS Printer Driver

<With a Network Connection>

Click [Get Installable options automatically] under [Installable Options] on the [Device Settings] tab and click [Setup] or [Get Installable options automatically].

<With a USB Connection>



Manually configure the added option. Click [OK].

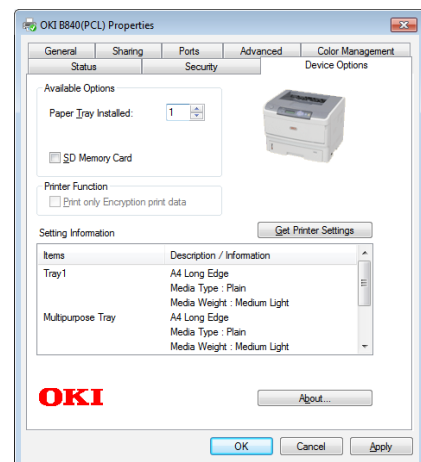
■ PCL Printer Driver

<With a Network Connection>

Click [Get Printer Settings] on the [Device Options] tab.

<With a USB Connection>

Manually configure the added option. Click [OK].

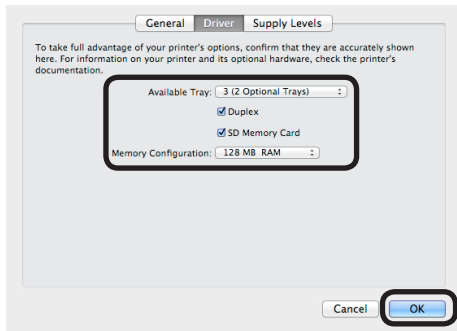


For Those Using Macintosh

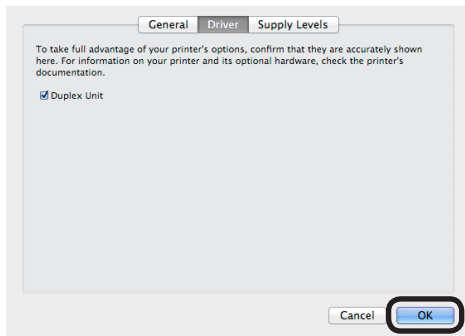
For Those Using Mac OS X

Using the following steps, configure options (second and third trays, additional memory and an SD memory card) that have been installed with an IP Print or Bonjour connection or after installation of your printer driver.

- 1 Select [Apple-menu]-[System Preferences].
- 2 Click [Print & Scan]. Select the printer, click [Options and Supplies] and select the [Driver] tab.
- 3 Select added the options and click [OK].



(When using a PS driver)



(When using a PCL driver)

Chapter 2 Basic Operation

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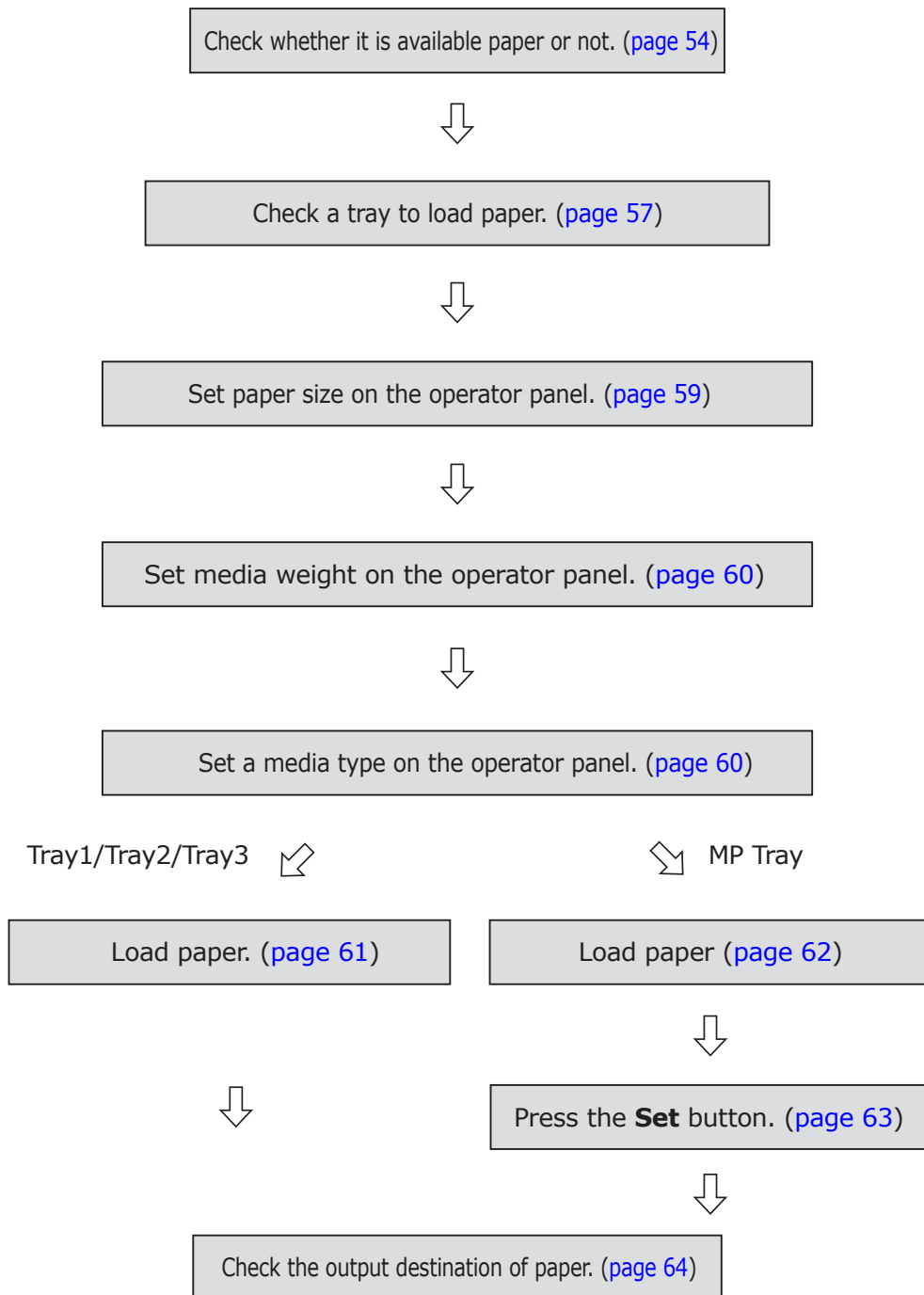
Operator Panel



No.	Name	Description	No.	Name	Description
①	Display	Shows printer statuses and contents when errors occur.	⑤	MENU selection button	Enters a menu mode. Scrolls forward or backward a displayed content of the menu during the menu mode. Pressing the button for 2 seconds or more allows you to scroll forward or backward multiple contents.
②	READY lamp (Green)	ON: ready to receive data. (Online) Blinking: Processing received data. Slow blinking: Sleep mode. OFF: Data cannot be received. (Offline)	⑥	ENTER button	Enters the menu mode during the online or offline. Determines a selected value during the menu mode.
③	ATTENTION lamp (Red)	ON: Warnings occur but printing is available. Blinking: Printing is not available since an error occurs. OFF: Normal status.	⑦	BACK button	Goes online by pressing during the display of the menu mode category. Returns to the previous display during the menu mode.
④	ON LINE button	Switches between offline and online mode. When pressing it during the menu mode, the machine exits the menu mode and goes online. When pressing it during the display of "MEDIA MISMATCH", or "SIZE MISMATCH", data is printed on paper currently loaded forcibly. When pressing it during the sleep mode, the machine recovers from the sleep mode.	⑧	CANCEL button	Deletes data being printed or received. When pressing it during the display of "SIZE MISMATCH", "EMPTY", "TRAYn OPEN", "TRAYn MISSING", data is deleted.

Loading Paper

Procedure of loading paper



Available Paper

To print with high quality, a paper which meets the requirements of materials, weight and coating for the surface has to be used. To exercise the performance of the machine, use paper recommended by our company. A gratifying result may not be obtained in other sheets. In case of printing other than a recommended paper, a test for print quality and paper direction is required to confirm there is no problem.

Paper type, Size and Media weight

Note! Feed tray or output condition might have limitation depending on paper type, size and media weight and items to be set on the operator panel or printer drivers are different. Refer to "Deciding a feed tray" (page 57) to "Printing" (page 61).

Type	Size Unit: mm (inch)	Weight
Plain paper* ¹	A3	297 × 420
	A4	210 × 297
	A5	148 × 210
	A6	105 × 148
	B4	257 × 364
	B5	182 × 257
	B6	128 × 182
	Legal 14"	215.9 × 355.6(8.5 × 14)
	Legal 13.5"	215.9 × 342.9(8.5 × 13.5)
	Legal 13"	215.9 × 330.2(8.5 × 13)
	Tabloid* ⁴	279 × 432
	Letter	215.9 × 279.4(8.5 × 11)
	Executive	184.15 × 266.7(7.25 × 10.5)
	Statement	139.7 × 215.9
	8K 260 × 368mm	260 × 368
	8K 270 × 390mm	270 × 390
8K 273 × 394mm	273 × 394	
16K 184 × 260mm	184 × 260	
16K 195 × 270mm	195 × 270	
16K 197 × 273mm	197 × 273	
Custom* ^{2,3}	Width 76 ~ 297 Length 148 ~ 432	
Postcard* ⁴	Postcard	* ⁵
	Double postcard	* ⁵
Envelope* ⁴	Com-9	98.4 × 225.4(3.875 × 8.875)
	Com-10	104.78 × 241.3(4.125 × 9.5)
	Monarch	98.4 × 190.5(3.875 × 7.5)
	DL	110 × 220(4.33 × 8.66)
	C6	114 × 162
	C5	162 × 229(6.4 × 9)
	C4	114 × 162(4.49 × 6.38)
Label paper* ⁴	A4	210 × 297
	Letter	215.9 × 279.4(8.5 × 11)
Transparency film for OHP* ⁴	A4	210 × 297
Part printing paper	-	60 ~ 200g/m ² (Ream weight 52 ~ 172kg)
Color paper	-	60 ~ 200g/m ² (Ream weight 52 ~ 172kg)

*¹: When the duplex unit is installed, duplex print is available on the following paper size.
A5, B5, A4, A3, B4, and custom size (Paper width 148.5 ~ 297mm, paper length 182 ~ 420mm)
*²: Tray 1, Tray2 and Tray3 are in width of 148 ~ 297mm, and length of 182 ~ 432mm.
*³: Multipurpose tray is in width of 76 ~ 297mm, and length of 148 ~ 432mm.

*⁵: When printing postcards, set the paper size to "Custom" and set the size of the postcards to be printed.

Envelopes should be 24lb paper, and flap parts of envelopes should be folded

※ When A4 (Portrait feeding), Letter (Portrait feeding), A5, A6, Legal (14 inch) Legal (13.5 inch) Legal (13 inch), statement, postcard, or envelope, is set or paper width is set to 230mm or less, print speed may be slow.

*⁴: Auto duplex print is not available.

Plain Paper

Use a paper meeting the following condition.

- Paper ream weight between 60 ~ 200g/m² (Ream weight 52 ~ 172kg)
- Electronic photo printer paper (Paper used in the printer with toner)
- Electronic photo copy paper (Paper used in the standard copy machine with toner)
- Electronic photo printer recycle paper (recycle paper used in the printer with toner)

When printing on recycle paper other than under the general room temperature environment (Temperature 17 to 25°C, Humidity 40 to 60%), errors including paper jams may occur.

Make sure to perform test printing before using.

Do not use papers as follows.

- Paper which is too flat and smooth (slick), rough (grained, fiber) or paper which have a big difference between two sides of the paper.
- Too thin or thick paper and paper with too much paper powder
- Horizontal fiber orientation paper.
- Wet paper (moist paper)
- Static-cling paper
- Matt paper (grain paper), die stamping (embossed sheet), and coated paper.
- Specially-treated paper such as glue or chemicals, and non heat-resisting (230°C) paper.
- Paper which have holes for a binder, perforated paper and incised paper.
- Paper having asperity, squish and burr on the cut edge.
- Paper which is not a square shape or a right angle of the cutting angle.
- Paper with shortcomings such as creasing, warping, folds of the corner, waving, folds and tears.
- Paper sticking accessories such as staples, clips, ribbons, tapes and catches.
- Specially-treated papers such as carbon paper, non-carbon paper, thermal paper and impact paper.
- Paper for thermoelectric printer or ink jet, wet PPC paper, and copy paper.
- Paper made by connecting different type of sheets.
- Paper whose weight is not consistent at the top, bottom, right and left.
- Paper to which stuck of wraps is attached.



- Thick paper may cause the toner adhesion on the full paper or pale print.
 - Paper printed by thermoelectric printer and ink jet printer has not to be used.
 - When the paper package is marked with print side or face side, please load it into the printer as the print side. If unmarked, please load the unpacked side into the printer as the print side.
 - To keep paper from moisture, waterproof paper packing is usually used. Use the paper soon after it's unpacked.

Postcards

Use a postcard meeting the following condition.

- Postcards made by papers for the electronic photo printer or papers for dry system PPC.

Do not use postcards mentioned below.

- Warping postcards with 2mm and more.
- Stamped Postcards.
- Postcards made for pictures.
 - Warping may occur after printing.
 - Postcards printing may cause the toner adhesion on the full paper or pale print.
 - Adhesion quality of the toner may decline.
 - Make sure to feed paper from Multipurpose tray.



Envelopes

Use an envelope meeting the following condition.

- Envelopes made by craft papers, papers for the electronic photo printer or papers for dry system PPC.
- Com-9, Com-10, Monarch, C4, C5, C6 and DL with 24lb paper and the flap parts should be folded.

Do not use envelopes mentioned below.

- Too thick envelopes or plastic bag type (envelopes made by a plastic sheet.)
- Double envelopes
- Envelopes which have catches, buttons and windows.
- Envelopes with the flap parts on which adhesive or 2-sided tape is attached.
- Envelopes with creasing or warping.
- Stamped Envelopes
- Envelopes with mat paper (grain) or die stamping (embossed sheet).
- Envelopes that adhesive is squeezed out of a joint part.



- Creasing or warping may occur after printing.
- Envelopes printing may cause the toner adhesion on the full paper or pale print.
- Adhesion quality of the toner may decline.
- Print quality may decline at 5mm width around the overlap with glue of the envelope (uneven part).
- Make sure to perform a test printing to check there are no problems.
- Make sure to feed paper from Multipurpose tray.

Label Paper

Use a label paper meeting the following condition.

- Paper size is only A4.
- Label paper for electronic photo printer or dry system PPC in which surface paper, adhesive, and boards are not changed by heat.
- Label paper which has a structure that the surface paper does not come off the board during a fusing process.
- Label paper which has a structure that the surface does not come off the board in a feed process.
- Label paper including the surface and the board is 0.1 ~ 0.15mm thick.
- The surface covers the board and adhesive is not squeezed out.

Note!

- Label printing may cause the toner adhesion on the full paper or pale print.
 - Adhesion quality of the toner may decline.
 - Make sure to feed from the multi purpose feeder.

Transparency film

Use a transparency film for OHP meeting the following condition.

- Paper size is only A4.
- Transparency films which are made for electronic printer or dry system PPC.
- Transparency films without melting, changing in quality and warping during fusing process of the printer.
- Transparency film 0.1 ~ 0.15mm thick

Note!

- You can just use transparencies for PPC or laser printers.
 - Waves may appear after printing.
 - Printing of transparency film may cause the toner adhesion on the full paper or pale print.
 - Adhesion quality of the toner may decline.
 - Transparency film for OHP which is coated to be slippery may not be fed because of its slipperiness.
 - Print quality may decline since transparency film is made of plastic.
 - Make sure to feed from the multi purpose feeder.

Paper for partial printing

Use a paper for partial printing meeting the following condition.

- Paper printed by ink which offer resistance to 230°C .

Note!

Design in consideration of the difference of the following print position when print frame is set up.
 Writing position accuracy: $\pm 2\text{mm}$, Paper skewing: $\pm 1\text{mm}/10\text{mm}$, Image expansion and contraction: $\pm 1\text{mm}/100\text{mm}$ (in case of the ream weight 70kg (80g/m²)).

Color Paper

Use a color paper meeting the following condition.

- Paper for which pigmented ink or dyestuff with resistance to 230°C is used.
- Paper characteristic is the same as white paper and paper for electronic photo printer.

How to Keep Paper

If paper is kept in the wrong way, paper may absorb moisture or change in color and warping may occur. Such papers affect print quality or feed if they are used for printing. Therefore, caution is required. In addition, a package of the paper should not to be opened until it is actually used.

The following places are recommended for keeping paper

- Dark and less moist place such as a book shelf
- On the flat table
- Environment with temperature 20°C and humidity 50%RH

The following places have to be avoided.

- To place paper on the floor directly.
- Direct sunlight
- Near the inside of the exterior wall
- Places with a height difference or a bend
- Places which static electricity is produced
- Places with high temperature and severe temperature change.
- Near a copy machine, air conditioning equipment, heater and duct

Note!

Printing might not be correctly conducted until paper being left derelict for a long time is used.

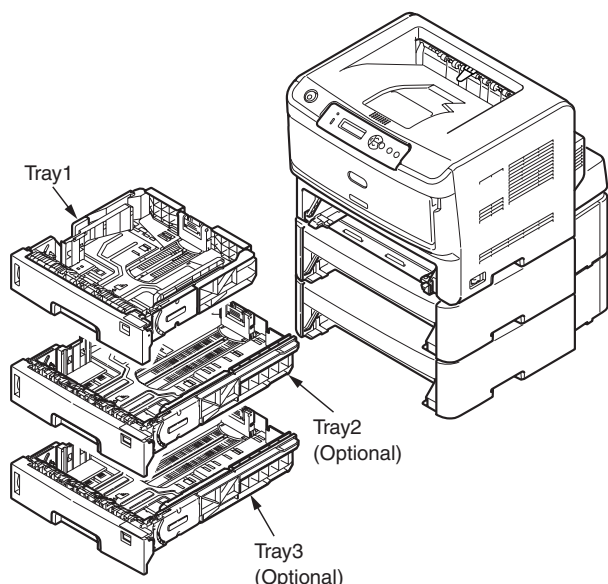
Deciding a Feed Tray

Feed tray and output condition differ depending on paper type, size and weight. Confirm a method meeting all conditions with the following procedure.

Refer to "Available Paper" (page 54) as for paper specifications.

1 Confirms a feed tray from paper type, size and weight.

Paper that can be loaded in Tray1, Tray2, Tray3*

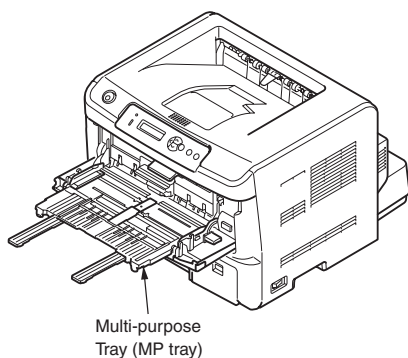


Paper size	A3, A4, A5, B4, B5, Legal 14, Legal 13.5, Legal13, Letter, Executive 8K(260×368mm), 8K(270×390mm), 8K(273×394mm), 16K(184×260mm), 16K(195×270mm), 16K(197×273mm), Tabloid, Custom (Width 148 ~ 297mm, Length 182 ~ 432mm)
Media type	Plain, Letter head, Recycled, Card Stock, Rough, Bond, Special paper
Media weight	60 ~ 176 g/m ² (Ream weight 52 ~ 151kg)
Number of sheets that can be loaded	For 80g/m ² (Ream weight 70kg), 530 sheets.
Note	Load the printed side down.*

* When the paper package is marked with print side or face side, please load it into the printer as the print side. If unmarked, please load the unpacked side into the printer as the print side.

※ Tray 2 and tray 3 (the second / third tray) are options.

Paper that can be loaded in Multi-purpose tray (MP tray)



Paper size	A3, A4, A5, A6, B4, B5, B6, Legal 14, Legal 13.5, Legal13, Letter, Executive, Statement, 8K(260×368mm), 8K(270×390mm), 8K(273×394mm), 16K(184×260mm), 16K(195×270mm), 16K(197×273mm), Tabloid, Envelope (COM-9, COM-10, MONARCH, DL, C6, C5, C4) Custom(Width 76 ~ 297mm, Length 148 ~ 432mm)
Media type	Plain, Recycled, Card Stock, Rough, Postcard, Envelope, Label, Bond, Special paper
Media weight	60 ~ 200 g/m ² (Ream weight 52 ~ 172kg)
Number of sheets that can be loaded	For 80g/m ² (Ream weight 70kg), 100 sheets
Note	Load the printed side up.*

* When the paper package is marked with print side or face side, please load it into the printer as the print side. If unmarked, please load the unpacked side into the printer as the print side.

Paper Settings

Perform paper settings for the printer.

- Note!**
- Print quality may decline or the fuser unit may be damaged unless the values of media weight are correctly set.
 - The setting item or setting value differs depending on the type or weight of the paper.

1 Confirm setting values of media weight from paper types and weight.

Types (Media Types)	Weight	Setting values of media weight* ¹	
		Printer driver	Operation panel
Plain paper* ³	60 ~ 64g/m ² (Ream weight 52 ~ 55kg)	Light* ²	LIGHT
	64 ~ 74g/m ² (Ream weight 55 ~ 63kg)	Medium Light	M LIGHT
	75 ~ 87g/m ² (Ream weight 64 ~ 74kg)	Medium	MEDIUM
	88 ~ 105g/m ² (Ream weight 75 ~ 90kg)	Medium Heavy	M HEAVY
	106 ~ 120g/m ² (Ream weight 91 ~ 103kg)	Heavy	HEAVY
	121 ~ 176g/m ² (Ream weight 104 ~ 151kg)	Ultra Heavy1	ULTRA HEAVY1
	177 ~ 200g/m ² (Ream weight 152 ~ 172kg)	Ultra Heavy2* ⁴	ULTRA HEAVY2* ⁴
Postcard* ⁵	—	Ultra Heavy2	ULTRA HEAVY2
Envelope	—	Heavy	HEAVY
Label	—	Label	—
Transparency	—	Transparency	—

*: When media weight is set as Ultra heavy 1 and Ultra heavy 2, the print speed will decrease.

- *¹: You can set media weight in the operation panel and [Media Weight] of printer driver. When setting in the printer driver, setting values in printer driver takes priority. When selecting [Printer Setting] in [Media Weight] of the printer driver, print with the setting of the operation panel.
- *²: Set when creases occur in plain paper.
- *³: Media weight available for auto duplex print is 60 ~ 105g/m² (52 ~ 90kg).
- *⁴: Settings can only be made on multi-purpose tray.
- *⁵: When printing postcards, set the paper size to "Custom" and set the size of the postcards to be printed.

2 Set paper size, media weight and media type.

Setting paper size

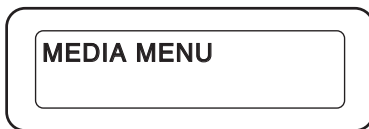
<For Tray1, Tray2, and Tray3>




Set paper size by turning the paper size dial of the paper cassette.

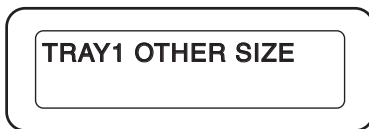
When a fixed size that is not found on the paper size dial of the paper cassette is used, set the paper size dial to "Others" and select the paper size from [TRAYn OTHER SIZE] in the [MEDIA MENU] of the printer.




Here, the setting procedure when printing on Tabloid from Tray1 is described.

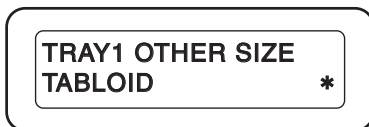
- 1 Press the  or  button several times to display [MEDIA MENU] and then press the **ENTER**  button.



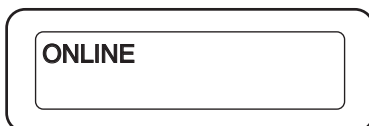
- 2 Press the  or  button several times to display [TRAY1 OTHER SIZE] and then press the **ENTER**  button.



- 3 Press the  or  button several times to display [TABLOID] and then press the **ENTER**  button.






- 4 Press the **ON LINE**  button to display [ONLINE].

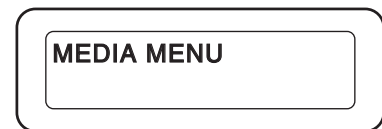





<For Multi-purpose Tray>

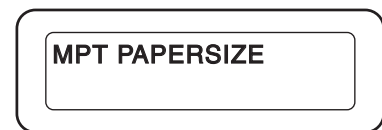
As the factory default, the paper size of the multi-purpose tray is set to [A4 Landscape feeding]. When printing on paper other than A4, you need to change the paper size of the user menu according to the following procedure.




Here, the setting procedure when printing on B5 with landscape feeding from the multi-purpose tray is described.

- 1 Press the  or  button several times to display [MEDIA MENU] and then press the **ENTER**  button.



- 2 Press the  or  button several times to display [MPT PAPERSIZE] and then press the **ENTER**  button.



- 3 Press the  or  button several times to display [B5 LEF] and then press the **ENTER**  button.



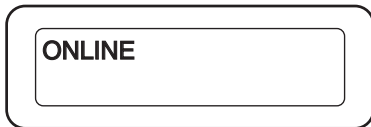
- 4 Press the **ON LINE**  button to display [ONLINE].



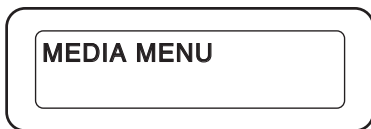
Setting media weight

Here the setting procedure when printing on plain paper (ream weight 90kg paper) from Tray1 (set [TRAY1MEDIaweIGHT] to [M HEAVY]).

- 1 Check that [ONLINE] is displayed on the operator panel.



- 2 Press the or button several times to display [MEDIA MENU] and then press the **ENTER** button.



- 3 Press the or button several times to display [TRAY1MEDIaweIGHT] and then press the **ENTER** button.



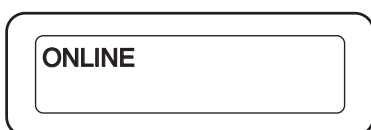
- 4 After the current setting value blinks, press the or button to select a value you want to set and then press the **ENTER** button.



Add [*] to the right side of the setting value.



- 5 Press the **ON LINE** button to display [ONLINE].



Memo

- The setting of "Tray1 Media weight" can be set in [Media Weight] of the printer driver. When setting by the printer driver, the setting of the printer driver takes priority.
- No setting is required for envelope.
- Media weight should be set for each tray to feed paper.

Setting media type

Memo

- When the media type has been set in the printer driver, you do not need to set the following items on the operator panel.
- The factory default of the media type is [Standard]. When printing in the plain paper, you don't need to set to directly use it.
- The media type should be set for each tray to feed paper.
- Make sure to set the media type for labels.
- No setting is required for postcard and envelope.

Here, the setting procedure when printing on labels from the multi-purpose tray (Set [MPT MEDIAType] to [LABELS].) is described.

- 1 Press the or button several times to display [MEDIA MENU] and then press the **ENTER** button.



- 2 Press the or button several times to display [MPT MEDIAType] and then press the **ENTER** button.



- 3 Press the or button several times to display [LABELS] and then press the **ENTER** button.



- 4 Press the **ON LINE** button to display [ONLINE].

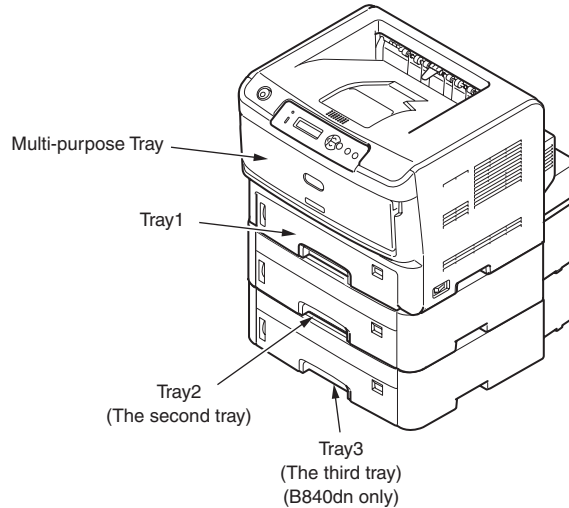


Printing

There are 4 Feed trays of Tray1, Tray2 (option), Tray3 (option) (B840dn only), and Multi-purpose tray. Plain paper is printed from any trays.

Postcards, envelopes, and labels are printed from the multi-purpose tray.

Manual feed printing is available from the multi-purpose tray.



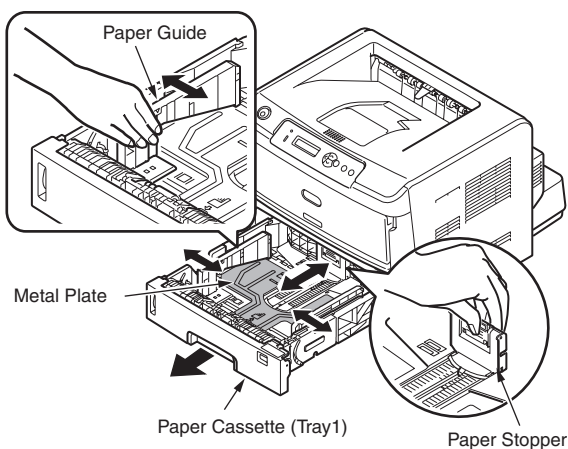
1 Set paper size.

For the paper cassette (Tray1, Tray2, Tray3)

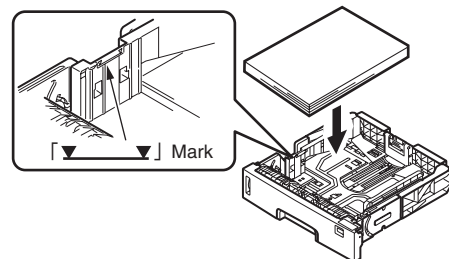
- Take out the paper cassette and adjust the paper guide and paper stopper to the paper size and then hold it.

Memo

- When the paper cassette is taken out, it stops at a certain position.
- When taking the paper cassette out of the printer, lift the front of the paper cassette and take it out.
- When using paper larger than A4, extract the rear side of the paper cassette of Tray1. (Page 62)

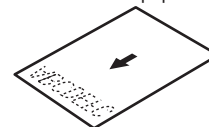


- Align the top, bottom, right and left edges of paper, and load the paper into the paper cassette with the printed side down.

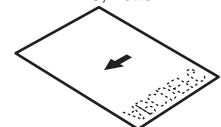


Orientation of Setting Paper

When there are top and bottom on paper.



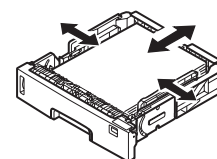
A4 (Portrait feeding), B5, Letter



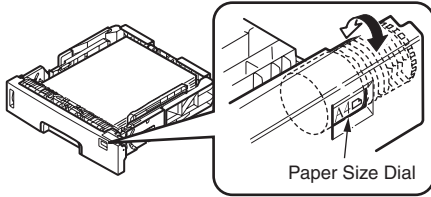
Note!

When the paper wrap indicates print side or face side, load the side into the printer face down. If unmarked, load the unpacked side into the printer with the side up.

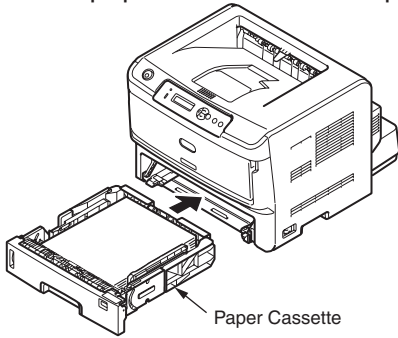
- After loading paper, check that the paper guide and paper position are fitted correctly.



- 4 Set the paper size dial to the loaded paper size.



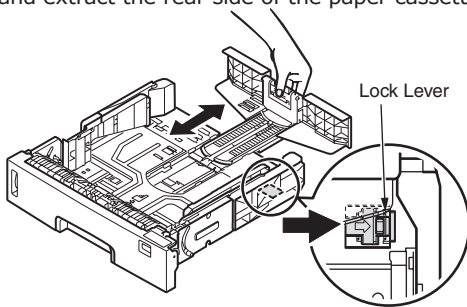
- 5 Return the paper cassette to the printer.



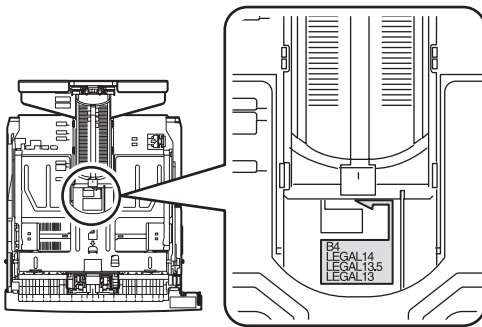
Note! When the metal plate under paper is lifted, press it until it clicks. Then return the paper cassette to the printer. If returning it to the printer with the metal plate lifted, that may cause failures.

Memo When using paper larger than A4 in Tray 1.

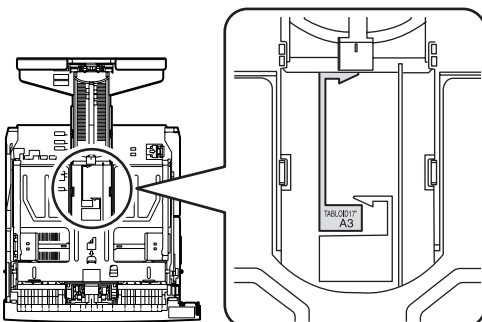
- (1) Move the lock lever in the direction of the arrow and extract the rear side of the paper cassette.



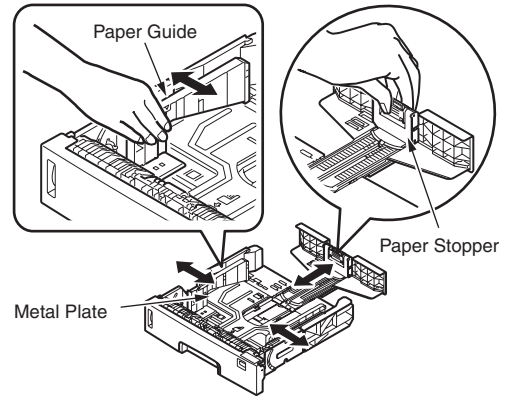
- When paper is B4 or Letter



- When paper is A3 or Tabloid



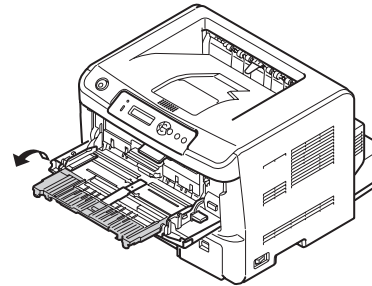
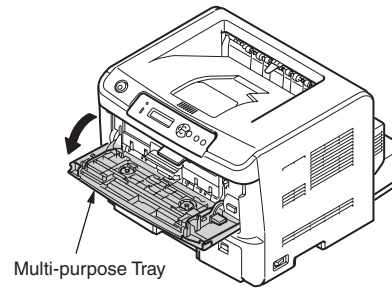
- (2) Set the paper guide and paper stopper to the paper size to hold the paper firmly.



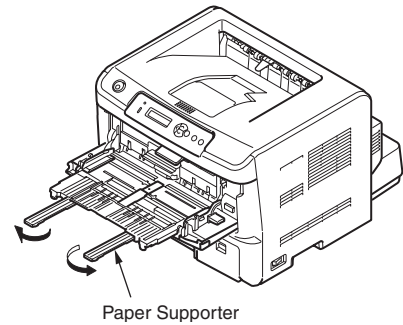
The rear side of the paper cassette is stored by moving the lock lever and pushing the rear side into the front.

For Multi-purpose tray

- 1 Open the multi-purpose tray.

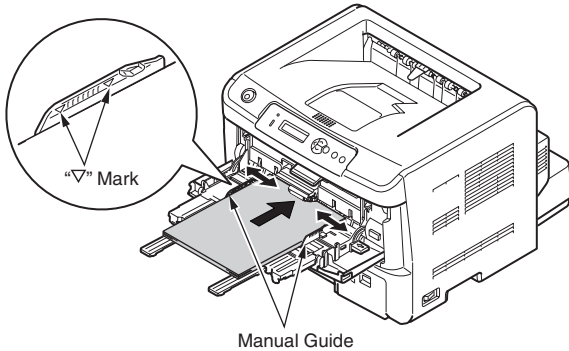


- 2 Open the paper supporter.



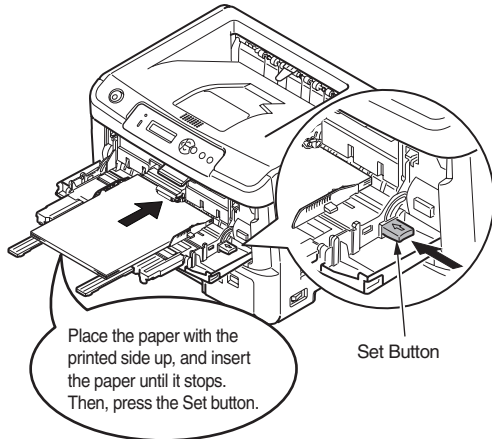
3 Place paper on the tray and adjust the manual guide to the paper width.

Note! Note that paper does not exceed the "▽" mark indicated on the manual guide.

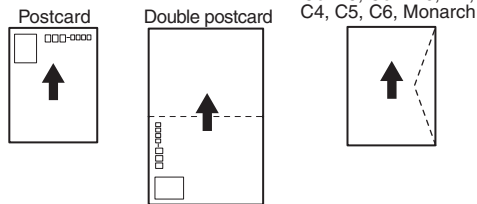


4 Press the **Set** button

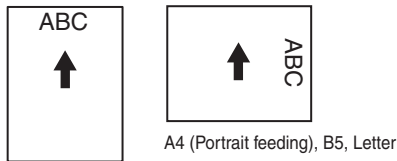
Memo Manual feeding print is available from the multi-purpose tray. For manual feeding print, load the paper on the printer after printing from the computer, and check sheet by sheet, and then press the **ON LINE** button to start printing.



Orientation of Setting Paper



When there are top and bottom on paper



- Note!**
- Use paper kept in an appropriate temperature and humidity. Do not use curling or waving paper caused by humidity. (Creases may occur on the paper.)
 - Adjust paper guide and stopper so that space can not be left between paper and paper guide and stopper. Furthermore, do not push so hard that paper is curved.
 - Set papers not to be over "▽" mark of the paper guide. You can load paper with 80g/m² (ream weight 70kg), and load 530 sheets from Tray1, Tray2 (optional), and Tray3 (optional), and 100 sheets in the multi-purpose tray.
 - Do not set papers having different size, type and weight at the same time.
 - When you add paper, take paper in a tray out and set it into alignment with added paper.
 - Insert a cassette softly when the cassette is inserted in the printer.
 - Do not pull out the tray during printing. When printing from Tray 2 (option) and Tray 3 (option), do not take out the paper cassettes of Tray 1 and Tray 2 (option).
 - A paper cassette cannot be used for postcards and envelopes.
 - Warping envelopes and postcards cause feed trouble. Please use them without warping. Warping has to be within 2mm.
 - Set envelopes to be portrait.
 - Warping at the flap of the envelope may cause paper feed trouble. Flatten it out before using.
 - Do not place anything other than paper for printing on the MP tray, push from above or exert excessive force.
 - Fold and store the multi-purpose tray when it is not used.
 - When the paper wrap indicates print side or face side, load the side into the printer face down. If unmarked, load the unpacked side into the printer with the side up.

2 Select an output condition of the paper.

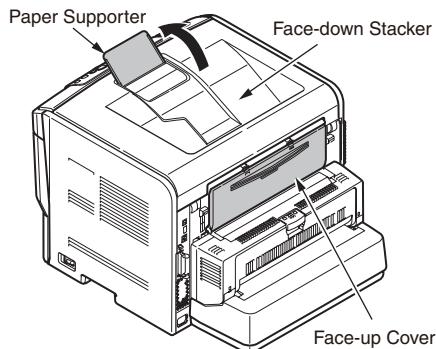
There are two places for the output destination including face-down stacker and face-up stacker. Plain paper and recycle paper can be outputted to both stackers. Postcards, double postcards and envelopes are outputted to the face-up stacker.

In case of Face Down (output being the print side down)

Papers are outputted to the face-down stacker on the top cover and piled in order of printing.

The weight is 80g/m² (ream weight 70kg) and papers are able to be piled up to 250 pages.

- 1 Check the face up stacker of the rear side of the printer is closed.



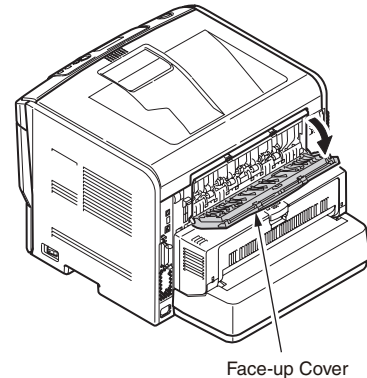
Memo Open the paper supporter so that the outputted paper can not slide from the top cover.

In case of Face up (output being the print side up)

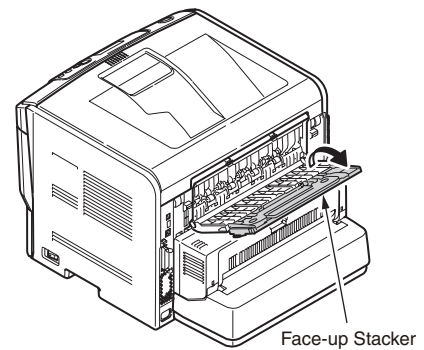
Paper is outputted to the face-up stacker and piled in the opposite order of printing.

The weight is 80g/m² (ream weight 70kg) and papers are able to be piled up to 100 pages.

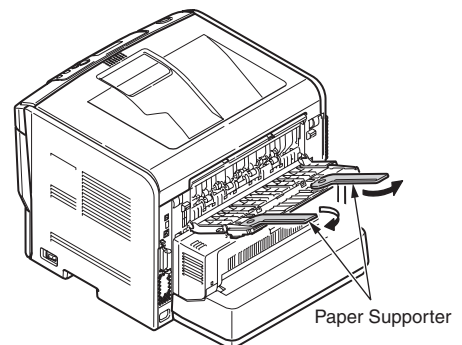
- 1 Open the face-up cover of the rear side of the printer.



- 2 Open the face-up stacker.



- 3 Open paper supporter.



- Note!**
- Do not open and close face up stacker during printing. It may cause a paper jam.
 - Fold and store the face up stacker when it is not used.

3 Open a file you want to print.

4 Select [Paper Size] and [Paper Source] in the printer driver and start printing.

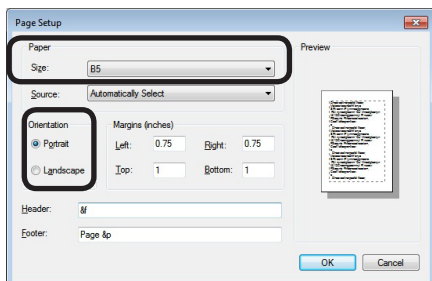
This is an example for the printing that images are printed by a plain paper of B5 size in Tray1, using [Word Pad] for Windows, and [Text Edit] for Mac OS X.

- Note!**
- Setting equivalent to Media weight and Media type is available for [Media weight] of the printer driver. As for the default of [Media Weight] in [Printer Setting], it is not required to set a value since a value set by the operation panel of the printer is used.
When the setting is changed in the printer driver, you need to specify every time you print.
 - The screen or procedure may differ depending on an application. If there are some printing problems, refer to "Changing a default of the printer driver" of "Use Print Features" (Advanced Guide).
 - This section uses Windows XP Home Edition as an example for the Windows Printer Driver's screen and description.

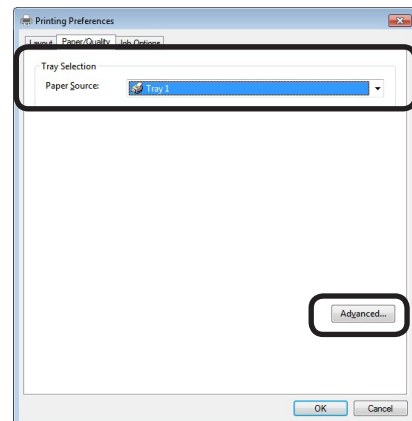
Memo A tray in which specified paper is loaded is automatically selected when [Automatically Select] is selected in [Paper Source]. Refer to "Automatic Tray Selection" (Advanced Guide) for details.

For Those Using Windows PS Printer Driver (B840dn only)

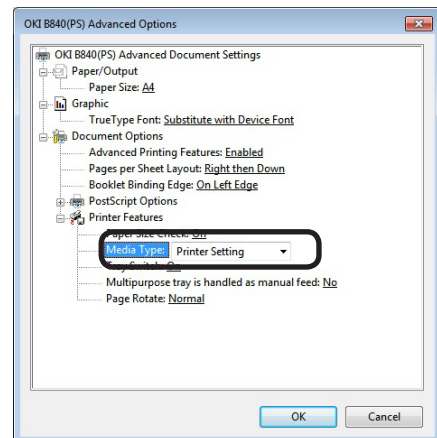
- 1 Select [Page Setup] of the [File] menu.
- 2 Select [B5] in [Size], and [Portrait] or [Landscape] in [Orientation]. Click [OK].
- 3 Select [Print] of the [File] menu.
- 4 Click [Preferences].



- 5 Select [Tray1] in [Paper Source] of the [Paper/Quality] tab.



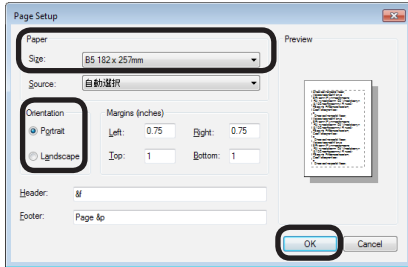
- 6 Click [Advanced] and select [Printer Setting] in [Media Type]. Then, click [OK].



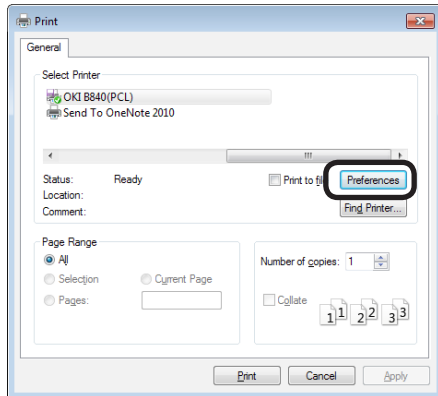
- 7 Click [OK].
- 8 Click [Print] in the "Print" screen and start to print.

For Those Using Windows PCL Printer Driver User

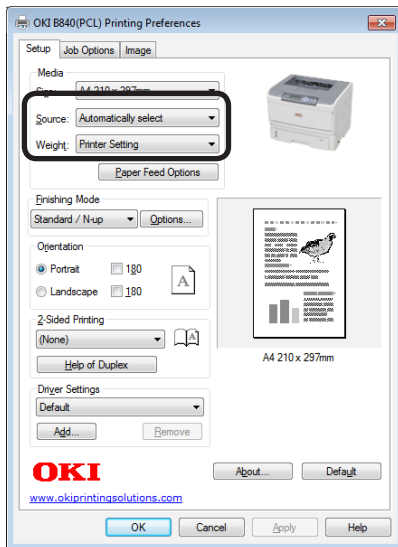
- 1 Select [Page Setup] of the [File] menu.
- 2 Select [B5] in [Size], and [Portrait] or [Landscape] in [Orientation]. Then click [OK].



- 3 Select [Print] of the [File] menu.
- 4 Click [Preferences].



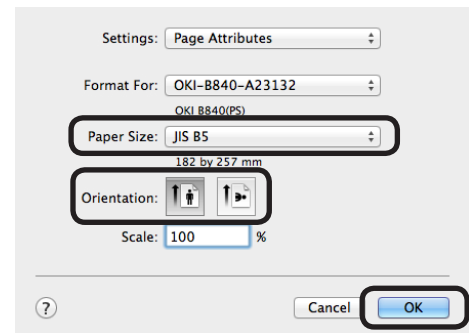
- 5 Select [Automatically select] in [Source] of the [Setup] tab.
- 6 Select [Printer Setting] in [Weight].



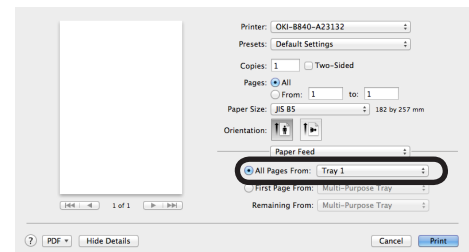
- 7 Click [OK].
- 8 Click [OK] or [Print] in the "Print" screen and start to print.

For Those Using Mac OS X PS Printer Driver (B840dn only)

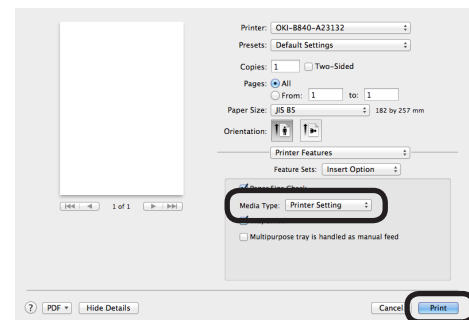
- 1 Select [Page Setup] in the [File] menu.
- 2 Select [JIS B5] in [Paper Size] and an appropriate orientation for [Orientation], and click [OK].



- 3 Select [Print] in the [File] menu.
- 4 Select [Tray 1] in the [Paper Feed] panel.



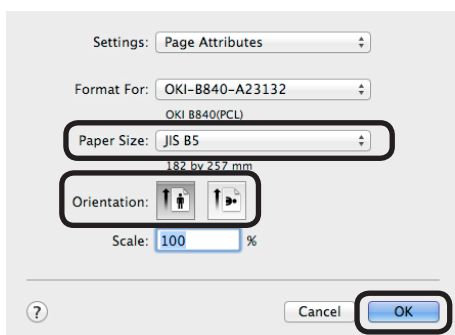
- 5 Select [Printer Setting] in [Media Type] under [Insert Option] of the function set on the [Printer Features] panel.
- 6 Click [Print] to start to print.



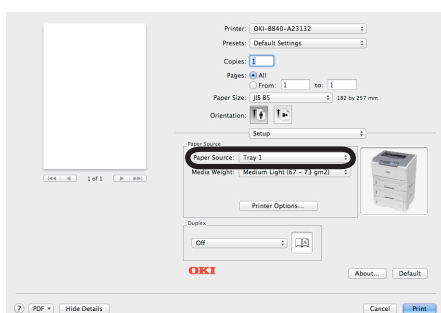
- Memo**
- If setting details are not displayed in the print dialog box for Mac OS X 10.7 to 10.9, click [Show Details] at the bottom of the dialog box.
 - If the print option is not displayed in the print dialog box for Mac OS X 10.6.8, click the disclosure triangle next to the [Printer] drop-down list.

For Those Using Mac OS X PCL Printer Driver

- 1 Select [Page Setup] in the [File] menu.
- 2 Select [B5] in [Paper Size] and an appropriate orientation for [Orientation], and click [OK].



- 3 Select [Print] in the [File] menu.
- 4 Select [Tray 1] in [Paper Source] on the [Setup] panel.



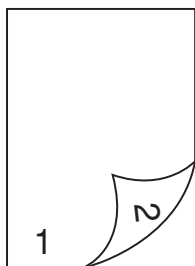
- 5 Select [Medium Light] in [Media Weight] on the [Setup] panel.
- 6 Click [Print] to start to print.

- Memo**
- If setting details are not displayed in the print dialog box for Mac OS X 10.7 to 10.9, click [Show Details] at the bottom of the dialog box.
 - If the print option is not displayed in the print dialog box for Mac OS X 10.6.8, click the disclosure triangle next to the [Printer] drop-down list.

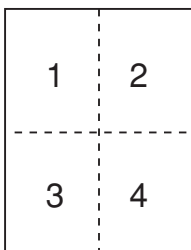
Main Functions

There are the following useful functions. For more information, refer to the advanced guide.

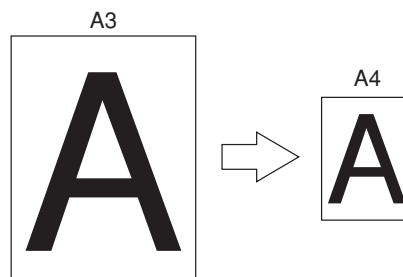
- Duplex Print



- Multiple-page printing



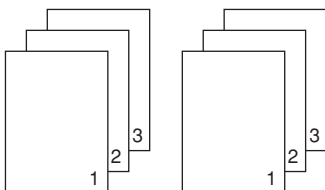
- Printing by changing size



- Stamp printing



- Collate



- Toner Saving

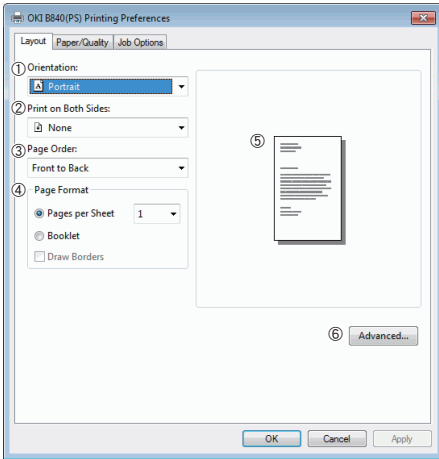


Description of Functions

B840dn has two kinds of printer drivers which are PS and PCL, and B820 has one kind of printer driver which is PCL. Each printer driver has different functions. For the detailed procedure, refer to the User's Manual (Advanced).

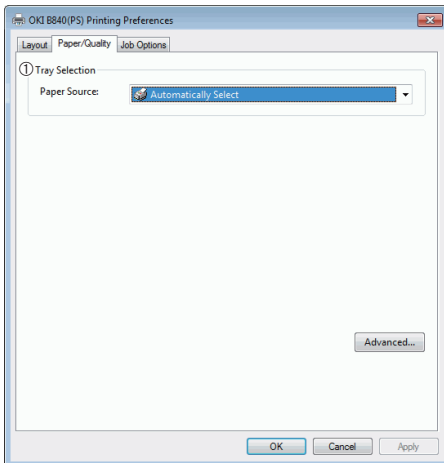
Functions of Windows PS Printer Driver

[Layout] tab



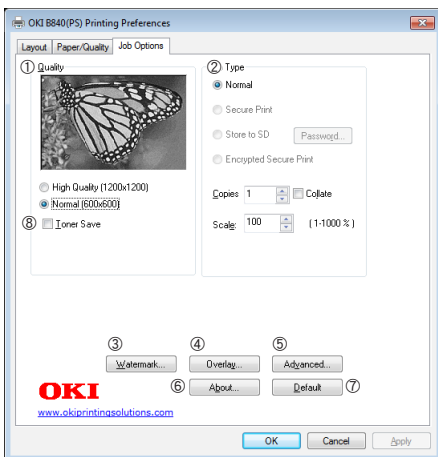
	Item	Description
①	Orientation	Specifies print orientation on paper.
②	Print on Both Sides	When performing the duplex print, specify [Long edge binding] or [Short edge binding].
③	Page Order	Specifies the order of the document page to be printed.
④	Page Format	Specifies the number of pages printed on a sheet or booklet printing.
⑤	Preview screen	Displays the image of print results.
⑥	Advanced	You can make advanced settings for print quality and paper size.

[Paper/Quality] tab



	Item	Description
①	Tray Selection	Changes a tray to feed paper.

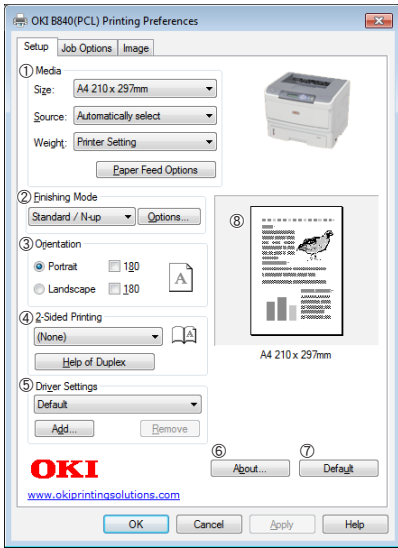
[Job Options] tab



	Item	Description
①	Quality	Specifies a resolution for printing.
②	Type	Specifies a print format and the number of printed copies.
③	Watermark	Sets this item when you want to use stamp printing.
④	Overlay	Set this item when you want to use Overlay printing. Overlay is the function to store a format which is frequently used such as price list or business documents in the printer in advance, and overlay the print data during printing.
⑤	Advanced	Specifies reverse horizontal-direction printing, etc.
⑥	About	Displays the version of the printer driver.
⑦	Default	Returns the settings on the tab to the default.
⑧	Toner Save	Check this item when you want to save toner for printing.

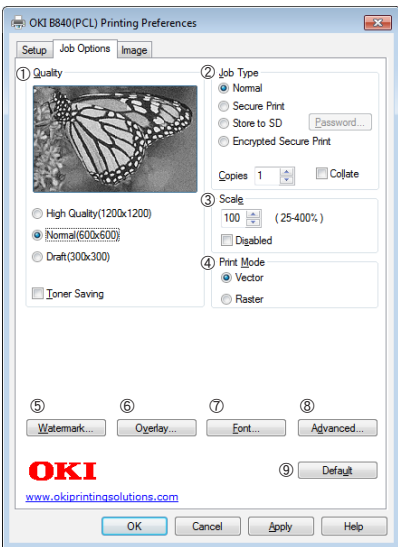
Functions of Windows PCL Printer Driver

[Setup] tab



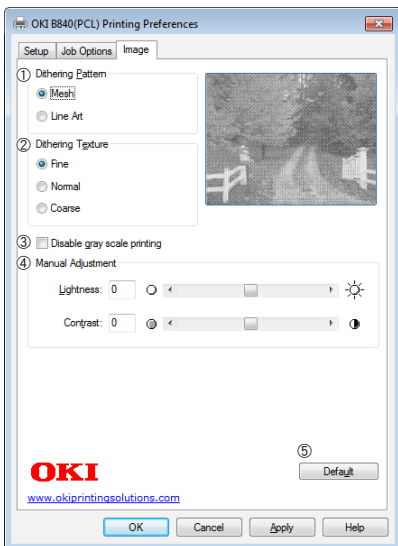
	Item	Description
①	Media	Specifies paper size, weight, and paper feed method.
②	Finishing Mode	Specifies multiple-page printing.
③	Orientation	Specifies print orientation on paper.
④	2-Sided Printing	Specifies it when you want to use duplex printing.
⑤	Driver Settings	Saves setting contents.
⑥	About	Displays the version of the printer driver.
⑦	Default	Returns the settings on the tab to the default.
⑧	Preview	Displays the image of print results.

[Job Options] tab



	Item	Description
①	Quality	Specifies a resolution for printing.
②	Job Type	Specifies a print format and the number of printed copies.
③	Scale	Specifies the ratio for enlargement or reduction when printing.
④	Print Mode	Sets a format of print data created by the printer driver.
⑤	Watermark	Sets this item when you want to use stamp printing.
⑥	Overlay	Sets this item when you want to use Overlay printing.
⑦	Font	Sets the details about TrueType font or printer fonts.
⑧	Advanced	Some other print settings are available.
⑨	Default	Returns the settings on the tab to the default.

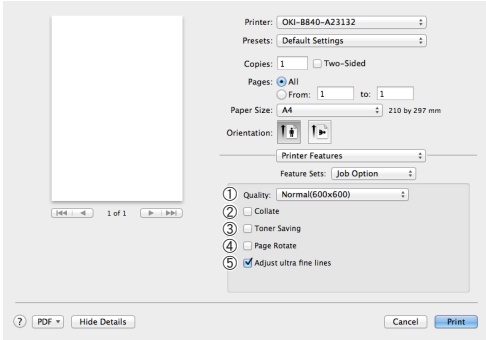
[Image] tab



	Item	Description
①	Dithering Pattern	Sets a dither pattern.
②	Dithering Texture	Sets a dither density.
③	Disable gray scale printing	Prints texts and graphics other than white color in block.
④	Manual Adjustment	Adjusts lightness and brightness.
⑤	Default	Returns the settings on the tab to the default.

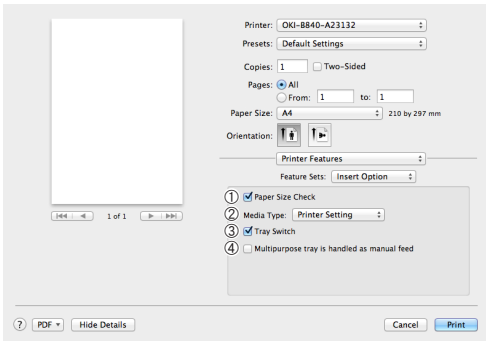
Functions of Mac OS X PS Printer Driver

[Job Option] Function Panel



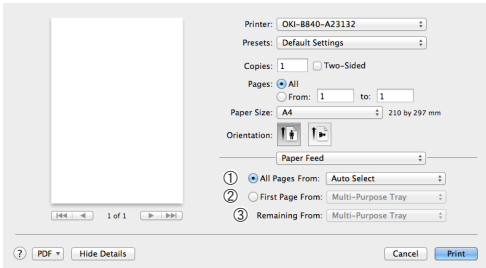
	Item	Description
①	Quality	Specifies print quality.
②	Collate	Check the checkbox when you want to print by copy unit.
③	Toner Saving	Check the checkbox when you want to save toner for printing.
④	Page Rotate	Specifies the print rotation.
⑤	Adjust ultra fine lines	Check the checkbox when you want to avoid faded fine lines.

[Insert Option] Function Panel



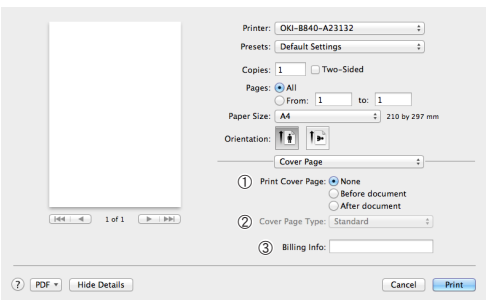
	Item	Description
①	Paper Size Check	Specifies whether to check paper length.
②	Media Type	Specifies paper weight.
③	Tray Switch	Specifies an operation when there is no paper in a specified tray.
④	Multipurpose tray is handled as manual feed	Specifies this item when you want to print sheet by sheet using the multipurpose tray.

[Paper Feed] Panel



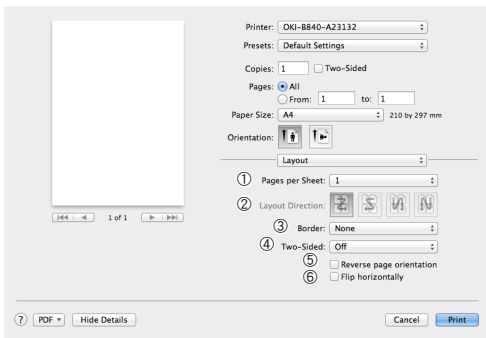
	Item	Description
①	All pages From	Specifies a tray to feed paper. When [Auto Select] is specified, a tray is automatically selected.
②	First Page From	Selects this item when you want to print a top page from a specified tray.
③	Remaining From	Prints the remaining pages from a specified tray.

[Cover Page] Panel



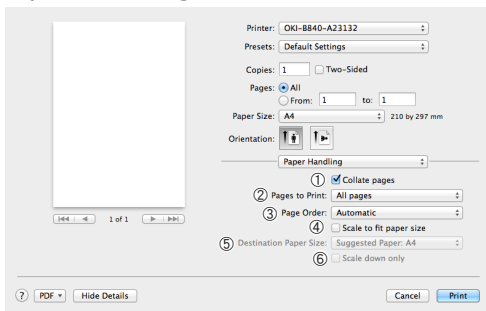
	Item	Description
①	Print Cover Page	Specifies the cover printing.
②	Cover Page Type	Specifies a text for the cover printing.
③	Billing Info	This function is not available.

[Layout] Panel



	Item	Description
①	Pages per Sheet	Selects the number of pages you want to print in a sheet.
②	Layout Direction	Specifies a layout when printing multiple pages in a sheet.
③	Border	Specifies a boarder when printing multiple pages in a sheet.
④	Two-Sided	Specifies this item when performing duplex print.
⑤	Reverse page orientation	Check the checkbox when you want to print a reverse page orientation.
⑥	Flip horizontally	Check the checkbox when you want to print reverse horizontal-direction image.

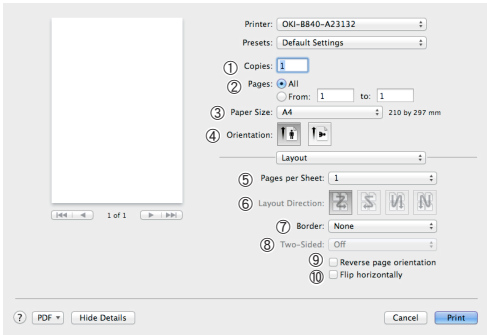
[Paper Handling] Panel



	Item	Description
①	Collate pages	Check the checkbox when you want to print by copy unit.
②	Pages to Print	Specifies a page to print.
③	Page Order	Specifies an order of printed pages.
④	Scale to fit paper size	Prints data fitting to paper size. For some settings, data may not be correctly printed.
⑤	Destination Paper Size	Specifies this item when you want to enlarge or reduce for outputted paper size.
⑥	Scale down only	Specifies this item when you want to reduce for outputted paper size.

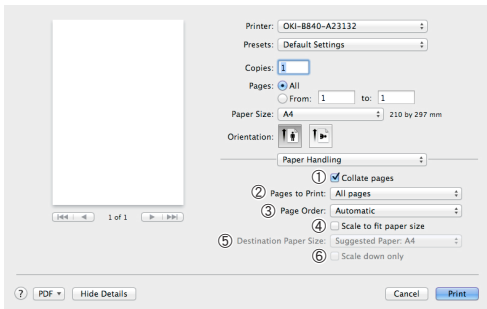
Functions of Mac OS X PCL Printer Driver

[Layout] Panel



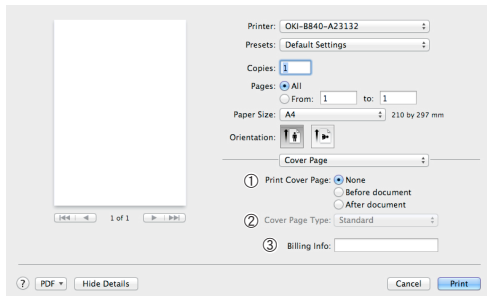
	Item	Description
①	Copies	Specifies the number of copies.
②	Pages	Specifies pages to print.
③	Paper Size	Specifies a paper size and media.
④	Orientation	Specifies the printing direction.
⑤	Pages per Sheet	Selects the number of pages that is printed on a sheet of paper.
⑥	Layout Direction	Specifies the layout that is applied when printing multiple pages on a sheet of paper.
⑦	Border	Specifies a type of a boundary.
⑧	Two-Sided	Not available with the PCL driver. Use [Duplex] on the [Setup] panel to specify duplex printing.
⑨	Reverse page orientation	Reverses the direction of a page to print by selecting this check box.
⑩	Flip horizontally	Flips left and right to print by selecting this check box.

[Paper Handling] Panel



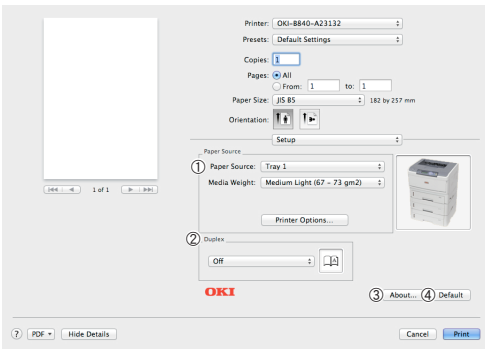
	Item	Description
①	Collate pages	Prints in units of copies by selecting this check box.
②	Pages to Print	Specifies pages to print.
③	Page Order	Specifies a page order to print.
④	Scale to fit paper size	Prints to fit a paper size. A document may not be printed correctly depending on the setting. Enlarges or reduces a document to fit the output paper size by selecting this check box.
⑤	Destination Paper Size	Selects the output paper size when the [Scale to fit paper size] check box is selected.
⑥	Scale down only	Only reduces a document to fit the output paper size by selecting this check box.

[Cover Page] Panel



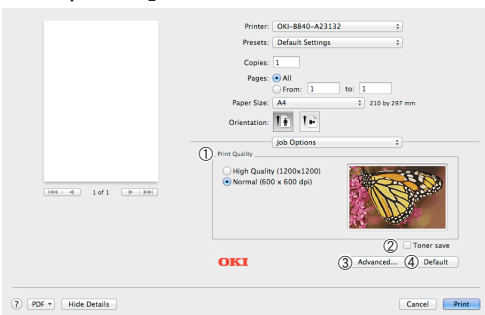
	Item	Description
①	Print Cover Page	Specifies the cover printing.
②	Cover Page Type	Specifies a string when printing the cover.
③	Billing Info	This function is not available.

[Setup] Panel



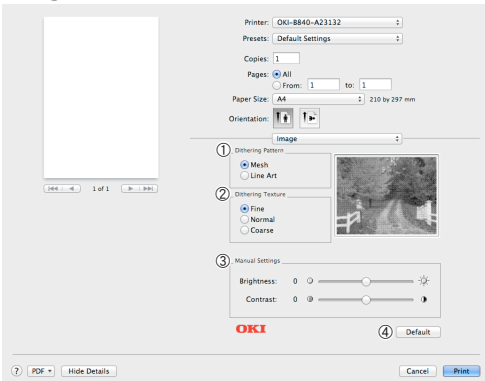
	Item	Description
①	Paper Source	Specifies the paper feed method or other settings.
②	Duplex	Specifies when performing duplex printing.
③	About	Displays the version of the printer driver.
④	Default	Resets the settings in the panel to their default settings.

[Job Options] Panel



	Item	Description
①	Print Quality	Specifies the resolution for printing.
②	Toner save	Specifies the print density to save toner.
③	Advanced...	Sets other print options.
④	Default	Resets the settings in the panel to their default settings.











[Image] Panel




	Item	Description
①	Dithering Pattern	Specifies a dithering pattern.
②	Dithering Texture	Specifies a dithering texture.
③	Manual Settings	Specifies the brightness and contrast.
④	Default	Resets the settings in the panel to their default settings.

User Menu

Method of change

- ① Push  or  Button until to display the category of object, and push **ENTER**  Button.
- ② Push  or  Button until to display the item of setting, and push **ENTER**  Button.
- ③ Push  or  Button until to display the value of object.
- ④ Push **ENTER**  Button, and attach [*] to right from value.
- ⑤ Push **ON LINE**  Button to display [ONLINE].

 **Note!** After changed the value of Centronics MENU, USB MENU or Memory Menu, reboot the printer.

List of the User Menu

Make settings on the operation panel of printer.

The shaded "setting value" is the default
 ○ : Show the message.
 △ : Only show the message when option is installed.
 - : Do not show the message.

Category	Item	Value	Function / Notes	B840dn	B820n	
PRINT JOBS MENU ※1	ENCRYPTED JOB	NOT FOUND	Use it in printing the encrypted authentication print job (Encrypted Job) stored in SD. Print jobs with encrypted authentication stored in SD are deleted by a delete method specified by the driver after printing or delete instruction from the menu. After inputting a password, "SEARCHING JOB" is displayed until a job appropriate for the password is found. In searching jobs, the search can be cancelled by holding the CANCEL key. · If there is no file, which can be output [NOT FOUND] will be displayed. · If there is one file, which can be output A set of all job will be printed if "PRINT" is selected and the ENTER button is pressed. All job will be deleted if "YES" is selected for the message [ARE YOU SURE?], which is displayed after "DELETE" is selected.	△	△	
		PRINT DELETE		△	△	
	STORED JOB	NOT FOUND		Used to print out a secure print job stored in an SD. However, when the secure print job is preset in reprint, the printed data still remain in the SD card after printing. · If there is no file, which can be output [NOT FOUND] is displayed on the operation panel. · If there is one file, which can be output When select "PRINT", [COLLATING AMOUNT] is displayed. Specify the number of pages to print and press the ENTER button, so that all the jobs are printed out as much as the specified pages. When select "Delete", [ARE YOU SURE?] are displayed. Select "YES", and all the jobs are deleted.	△	△
		PRINT DELETE			△	△

※1 Display the menu only when SD memory card is installed.

Category	Item	Value	Function / Notes	B840dn	B820n
INFORMATION MENU	PRINT MENU MAP	EXECUTE	Prints the configuration details of the print server.	○	○
	NETWORK	EXECUTE	Prints general information on the network.	○	○
	PRINT FILE LIST	EXECUTE	Prints a job file list.	○	○
	PRINT PCL FONT	EXECUTE	Prints a font list of PCL .	○	○
	PRINT PSE FONT	EXECUTE	Prints a font list of PostScript.	○	-
	PRINT PPR FONT	EXECUTE	Prints a font list of IBMPPR.	○	○
	PRINT FX FONT	EXECUTE	Prints a font list of EPSON FX.	○	○
	DEMO1~DEMO32	EXECUTE	Prints a demo page.	○	○
	PRINT ERROR LOG	EXECUTE	Prints an error log.	○	○
	USAGE REPORT	EXECUTE	Prints the total of JobLog.	○	○
SHUTDOWN START	SHUTDOWN START	EXECUTE	Shutdown.	○	○
PRINT MENU	COPIES	1 } 999	Sets the number of copies.	○	○
	DUPLEX	ON OFF	Specifies Duplex Print. For B820n, duplex unit is installed to display the item.	○	△
	BINDING	LONG EDGE SHORT EDGE	Specifies Binding in Duplex Printing. "ON" is selected in "USER MENU" - "PRINT MENU" - "DUPLEX".	○	△
	PAPER FEED	TRAY1 TRAY2 TRAY3 MP TRAY	Specifies a paper tray. Displayed only if they are installed. TRAY3: Displayed only if they are installed.(B840dn Only)	○	○
	AUTO TRAY SWITCH	ON OFF	Sets the Auto Tray switching function.	○	○
	TRAY SEQUENCE	DOWN UP PAPER FEED TRAY	Specifies selection order priority for switching Auto Tray Select/Auto Tray Switch.	○	○
	MP TRAY USAGE	WHEN MISMATCH DO NOT USE	Sets MP Tray usage.	○	○
	MEDIA CHECK	ENABLE DISABLE	Sets whether the printer checks the matching of paper size of the print data and that of the tray.	○	○
	RESOLUTION	600DPI 1200DPI	Sets the resolution.	○	-
	RESOLUTION	600DPI 600x1200DPI 600x2400DPI	Sets the resolution.	-	○
	TONER SAVE MODE	ENABLE DISABLE	Sets the Toner Save printing mode .	○	○
	ORIENTATION	PORTRAIT LANDSCAPE	Specifies print orientation.	○ ※2	○
	LINES PER PAGE	5LINES } 64LINES } 128LINES	Sets the number of lines that can be printed on a page. Returns to the default value by turning off and on the printer.	○ ※2	○

※2 It is invalid for PS.

Category	Item	Value	Function / Notes	B840dn	B820n
PRINT MENU	EDIT SIZE	CASSETTE SIZE	Setup the drawing size if the specified size by the specified command from a host is not available. Selects the "CASSETTE SIZE", and set the chosen cassette size as the drawing size.	○ ※2	○
		A3			
		A4 SEF			
		A4 LEF			
		A5 SEF			
A6 SEF					
B4					
B5 SEF					
B5 LEF					
B6 SEF					
LEGAL14					
LEGAL13.5					
LEGAL13					
TABLOID					
LETTER SEF					
LETTER LEF					
EXECUTIVE					
8K(260x368MM)					
8K(270x390MM)					
8K(273x394MM)					
16K(184x260MM)					
16K(195x270MM)					
16K(197x273MM)					
16K(184MM)LEF					
16K(195MM)LEF					
16K(197MM)LEF					
CUSTOM					
COM-9 ENVELOPE					
COM-10 ENVELOPE					
MONARCH ENV					
DL ENVELOPE					
C6 ENVELOPE					
C5 ENVELOPE					
C4 ENVELOPE					
PRINT MENU	X SIZE (INCH)	3.0INCH	Specifies paper width of Custom paper as a default value. [INCH] is selected in "MEDIA MENU" - "UNIT OF MEASURE".	○	○
		}			
		8.3INCH			
		}			
		11.7INCH			
PRINT MENU	X SIZE (MILLIMETER)	76MILLIMETER	Specifies paper width of Custom paper as a default value. [MILLIMETER] is selected in "MEDIA MENU" - "UNIT OF MEASURE".	○	○
		}			
		210MILLIMETER			
		}			
		297MILLIMETER			
PRINT MENU	Y SIZE (INCH)	5.8INCH	Specifies paper length of Custom paper as a default value. [INCH] is selected in "MEDIA MENU" - "UNIT OF MEASURE".	○	○
		}			
		11.7INCH			
		}			
		17.0INCH			
PRINT MENU	Y SIZE (MILLIMETER)	148MILLIMETER	Specifies paper length of Custom paper as a default value. Sets a paper in the same direction to paper run direction. [MILLIMETER] is selected in "MEDIA MENU" - "UNIT OF MEASURE".	○	○
		}			
		297MILLIMETER			
		}			
		432MILLIMETER			

※2 It is invalid for PS.

Category	Item	Value	Function / Notes	B840dn	B820n
MEDIA MENU	TRAY1 PAPER SIZE	CASSETTE SIZE CUSTOM	Sets the paper size for a tray 1.	○	○
	TRAY1 X SIZE (INCH)	5.8INCH }	Set up the paper Width for a tray1 · "MEDIA MENU" - "TRAY1 PAPER SIZE"- "CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"- "INCH" ※3	○	○
		8.3INCH }			
		11.7INCH			
	TRAY1 X SIZE (MILLIMETER)	148MILLIMETER }	Set up the paper Width for a tray1 · "MEDIA MENU" - "TRAY1 PAPER SIZE"- "CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"- "MILLIMETER" ※3	○	○
		210MILLIMETER }			
		297MILLIMETER			
	TRAY1 Y SIZE (INCH)	7.2INCH }	Set up the paper length for a tray1 · "MEDIA MENU" - "TRAY1 PAPER SIZE"- "CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"- "INCH" ※3	○	○
		11.7INCH }			
		17.0INCH			
TRAY1 Y SIZE (MILLIMETER)	182MILLIMETER }	Set up the paper length for a tray1. Sets a paper in the same direction to paper run direction. · "MEDIA MENU" - "TRAY1 PAPER SIZE"- "CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"- "MILLIMETER" ※3	○	○	
	297MILLIMETER }				
	432MILLIMETER				
TRAY1 MEDIA TYPE	PLAIN LETTERHEAD BOND RECYCLED CARD STOCK ROUGH GLOSSY USERTYPE1 } USERTYPE5	Sets the media type for Tray 1.	○	○	
TRAY1 MEDIA WEIGHT	LIGHT M LIGHT MEDIUM M HEAVY HEAVY ULTRA HEAVY1	Sets the paper weight for Tray 1.	○	○	
TRAY1 LEGAL SIZE	LEGAL14 LEGAL13.5 LEGAL13	Sets the legal paper size of Tray 1. Sets the paper type when the paper size dial is adjusted to [LEGAL].	○	○	
TRAY1 OTHER SIZE	TABLOID LETTER SEF EXECUTIVE 8K(260x368MM) 8K(270x390MM) 8K(273x394MM) 16K(184MM)LEF 16K(195MM)LEF 16K(197MM)LEF	Sets the Other paper size of Tray 1. Sets the paper size other than those configured by the paper size dial when paper size dial is adjusted to [Other].	○	○	
TRAY2 PAPER SIZE※4	CASSETTE SIZE CUSTOM	Sets the paper size for a tray 2.	△	△	
TRAY2 X SIZE (INCH)	※4 5.8INCH } 8.3INCH } 11.7INCH	Sets the paper Width for a tray2. · "MEDIA MENU" - "TRAY2 PAPER SIZE"- "CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"- "INCH" ※3	△	△	

※3 Set the paper size dial as [Other] when using custom paper.

※4 Display this item when the second tray is installed.

Category	Item	Value	Function / Notes	B840dn	B820n
MEDIA MENU	TRAY2 X SIZE (MILLIMETER) ※4	148MILLIMETER }	Sets the paper Width for a tray 2 · "MEDIA MENU" - "TRAY2 PAPERSIZE"-"CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"-"MILLIMETER" ※3	△	△
		210MILLIMETER }			
		297MILLIMETER			
	TRAY2 Y SIZE (INCH) ※4	7.2INCH }	Sets the paper length for a tray2 · "MEDIA MENU" - "TRAY2 PAPERSIZE"-"CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"-"INCH" ※3	△	△
		11.7INCH }			
		17.0INCH			
	TRAY2 Y SIZE (MILLIMETER) ※4	182MILLIMETER }	Sets the paper length for a tray2. · "MEDIA MENU" - "TRAY2 PAPERSIZE"-"CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"-"MILLIMETER" ※3	△	△
		297MILLIMETER }			
		432MILLIMETER			
	TRAY2 MEDIATYPE ※4	PLAIN	Sets the media type for Tray 2.	△	△
LETTERHEAD					
BOND					
RECYCLED					
CARD STOCK					
TRAY2 MEDIaweIGHT ※4	ROUCH	Sets the paper weight for Tray 2.	△	△	
	GLOSSY				
	USERTYPE1				
	}				
	USERTYPE5				
TRAY2 LEGAL SIZE ※4	LIGHT	Sets the legal paper size of Tray2. Set the paper type when paper size dial is adjusted to [LEGAL].	△	△	
	M LIGHT				
	MEDIUM				
	M HEAVY				
TRAY2 OTHER SIZE ※4	HEAVY	Sets the Other paper size of Tray2. Sets the paper size other than those configured by the paper size dial when paper size dial is adjusted to [Other].	△	△	
	ULTRA HEAVY1				
	LEGAL14				
	LEGAL13.5				
	LEGAL13				
	TABLOID				
	LETTER SEF				
	EXECUTIVE				
	8K(260x368MM)				
	8K(270x390MM)				
8K(273x394MM)					
16K(184MM)					
LEF					
16K(195MM)					
LEF					
16K(197MM)					
LEF					
TRAY3 PAPERSIZE ※5	CASSETTE SIZE	Sets the paper size for a tray 3.	△	△	
	CUSTOM				
TRAY3 X SIZE (INCH) ※5	5.8INCH }	Sets the paper Width for a tray 3. · "MEDIA MENU" - "TRAY2 PAPERSIZE"-"CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"-"INCH" ※3	△	-	
	8.3INCH }				
	11.7INCH				
TRAY3 X SIZE (MILLIMETER) ※5	148MILLIMETER }	Sets the paper Width for a tray3. · "MEDIA MENU" - "TRAY2 PAPERSIZE"-"CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"-"MILLIMETER" ※3	△	-	
	210MILLIMETER }				
	297MILLIMETER				

※3 Set the paper size dial as [Other] when using custom paper.

※4 Display this item when the second tray is installed.

※5 Display this item when the second/third tray is installed.(B840dn only)

Category	Item	Value	Function / Notes	B840dn	B820n
MEDIA MENU	TRAY3 Y SIZE (INCH) ※5	7.2INCH } 11.7INCH } 17.0INCH	Sets the paper length for a tray3 · "MEDIA MENU" - "TRAY2 PAPERSIZE"-"CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"-"INCH" ※3	△	-
	TRAY3 Y SIZE (MILLIMETER) ※5	182MILLIMETER } 297MILLIMETER } 432MILLIMETER	Set up the paper length for a tray3 · "MEDIA MENU" - "TRAY3 PAPERSIZE"-"CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"-"MILLIMETER" ※3	△	-
	TRAY3 MEDIATYPE ※5	PLAIN LETTERHEAD BOND RECYCLED CARD STOCK ROUGH GLOSSY USERTYPE1 } USERTYPE5	Sets the media type for Tray 3.	△	-
	TRAY3 MEDIAWEIGHT ※5	LIGHT M LIGHT MEDIUM M HEAVY HEAVY ULTRA HEAVY1	Sets the paper weight for Tray 3.	△	-
	TRAY3 LEGAL SIZE ※5	LEGAL14 LEGAL13.5 LEGAL13	Sets the legal paper size of Tray3 Set the paper type when paper size dial is adjusted to [LEGAL].	△	-
	TRAY3 OTHER SIZE ※5	TABLOID LETTER SEF EXECUTIVE 8K(260x368MM) 8K(270x390MM) 8K(273x394MM) 16K(184MM)LEF 16K(195MM)LEF 16K(197MM)LEF	Sets the Other paper size of Tray3. Sets the paper size other than those configured by the paper size dial when paper size dial is adjusted to [Other].	△	-
	MPT PAPERSIZE	A3 A4 SEF A4 LEF A5 SEF A6 SEF B4 B5 SEF B5 LEF B6 SEF LEGAL14 LEGAL13.5 LEGAL13 TABLOID LETTER SEF LETTER LEF EXECUTIVE 8K(260x368MM) 8K(270x390MM) 8K(273x394MM) 16K(184x260MM) 16K(195x270MM) 16K(197x273MM) 16K(184MM)LEF	Sets the paper weight for MPT.	○	○

※3 Set the paper size dial as [Other] when using custom paper.

※5 Display this item when the second/third tray is installed. (B840dn only)

Category	Item	Value	Function / Notes	B840dn	B820n
MEDIA MENU	MPT PAPERSIZE	16K(195MM) LEF 16K(197MM) LEF CUSTOM COM-9 ENVELOPE COM-10 ENVELOPE MONARCH ENV DL ENVELOPE C6 ENVELOPE C5 ENVELOPE C4 ENVELOPE	Sets the paper weight for MPT.	○	○
	MPT X SIZE (INCH)	3.0INCH } 8.3INCH } 11.7INCH	Set up the paper Width for MPT · "MEDIA MENU" - "MPT PAPERSIZE"-"CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"-"INCH"	○	○
	MPT X SIZE (MILLIMETER)	76MILLIMETER } 210MILLIMETER } 297MILLIMETER	Sets the paper Width for MPT. · "MEDIA MENU" - "MPT PAPERSIZE"-"CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"-"MILLIMETER"	○	○
	MPT Y SIZE (INCH)	5.8INCH } 11.7INCH } 17.0INCH	Sets the paper length for MPT. · "MEDIA MENU" - "MPT PAPERSIZE"-"CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"-"INCH"	○	○
	MPT Y SIZE (MILLIMETER)	148MILLIMETER } 297MILLIMETER } 432MILLIMETER	Sets the paper length for MPT. · "MEDIA MENU" - "MPT PAPERSIZE"-"CUSTOM" · "MEDIA MENU" - "UNIT OF MEASURE"-"MILLIMETER"	○	○
	MPT MEDIATYPE	PLAIN LETTERHEAD TRANSPARENCY LABELS BOND RECYCLED CARD STOCK ROUGH GLOSSY USERTYPE1 } USERTYPE5	Sets the media type for MP Tray.	○	○
	MPT MEDIaweIGHT	LIGHT M LIGHT MEDIUM M HEAVY HEAVY ULTRA HEAVY1 ULTRA HEAVY2	Sets the paper weight for MP Tray.	○	○
	UNIT OF MEASURE	INCH MILLIMETER	Specifies the unit of custom paper size.	○	○

Category	Item	Value	Function / Notes	B840dn	B820n
SYS CONFIG MENU	POW SAVE TIME	1 MIN	Sets time to wait for moving to Power Save mode.	○	○
		2 MIN			
		3 MIN			
		4 MIN			
		5 MIN			
		10 MIN			
		15 MIN			
		30 MIN			
		60 MIN			
	120 MIN				
	180 MIN				
	SLEEP TIME	1 MIN	Sets time to wait for moving to Sleep mode from Power Save mode.	○	○
2 MIN					
3 MIN					
4 MIN					
5 MIN					
10 MIN					
15 MIN					
30 MIN					
60 MIN					
120 MIN					
180 MIN					
PERSONALITY	AUTO EMULATION PCL IBM PPR EPSON FX PS3 EMULATION	Selects a printer language. Only B840dn supports PS3 EMULATION .	○	○	
PARA PS-PROTOCOL	ASCII RAW	Specifies PS communication protocol mode of data from Centronics.	○	–	
USB PS-PROTOCOL	ASCII RAW	Specifies PS communication protocol mode of data from USB.	○	–	
NET PS-PROTOCOL	ASCII RAW	Specifies PS communication protocol mode of data from NIC.	○	–	
CLRABLE WARNING	ONLINE JOB	Sets display deletion timing of clearable warnings.	○	○	
AUTO CONTINUE	ON OFF	Sets whether a printer is automatically recovered or not when memory overflow/tray request occurs.	○	○	
MANUAL TIMEOUT	OFF 30 SEC 60 SEC	Sets time to wait for paper to be fed in manual feed. If paper is not fed within this period of time, the job is canceled.	○	○	
WAIT TIMEOUT	OFF 5 SEC 10 SEC 20 SEC 30 SEC 40 SEC 50 SEC 60 SEC 90 SEC 120 SEC 150 SEC 180 SEC 210 SEC 240 SEC 270 SEC 300 SEC	Sets time between stopping reception of job data and performing force printing. Does not perform printing and cancels that job instead in the case of PS.	○	○	

Category	Item	Value	Function / Notes	B840dn	B820n																																																																																																													
SYS CONFIG MENU	TIMEOUT LOCAL	0 SEC 5 SEC }	Time of open of each port after end of job(The network is excluded.) It increases /decreases in the step of 5.	○	○																																																																																																													
		40 SEC }																																																																																																																
	TIMEOUT NET	290 SEC 295 SEC 300 SEC	Time of open of Network port after end of job. It increases /decreases in the step of 5.	○	○																																																																																																													
		0 SEC 5 SEC }																																																																																																																
JAM RECOVERY	ON OFF	Sets whether JAM RECOVERY printing is performed or not when Jam occurs.	○	○																																																																																																														
ERROR REPORT	ON OFF	Sets whether an error report is printed or not when an internal error occurs.	○	○																																																																																																														
PCL EMULATION ※6	FONT SOURCE	RESIDENT RESIDENT2 DOWNLOADED	Specifies the location of PCL default font. Download fonts, the display [DOWNLOADED].	○	○																																																																																																													
	FONT NO.	I0 C1 S1	Sets the PCL font number.	○	○																																																																																																													
	FONT PITCH	0.44CPI }	Width of the PCL default font. Displayed only when the font selected in Font No. is fixed-spacing, scalable font.	○	○																																																																																																													
		10.00CPI }																																																																																																																
	99.99CPI																																																																																																																	
FONT HEIGHT	4.00POINT }	Height of the PCL default font. The value is displayed down to the second decimal place (in the unit of 0.25 POINT.) Displayed only when the font selected in Font No. is proportional-spacing, scalable font.	○	○																																																																																																														
12.00POINT }																																																																																																																		
999.75POINT																																																																																																																		
SYMBOL SET	PC-8 PC-8 Dan/Nor }	Sets a symbol set of PCL. Modifies a symbol set to the default symbol set of the font when the selected font of FONT No. can not use the selected symbol set. Other symbol sets are as follows.	○	○																																																																																																														
		<table border="0"> <tr> <td>PC-8 Grk</td> <td>Serbo Croat1</td> <td>OKI-OCRB</td> <td>IBM-863</td> <td>ISO-25 Fre</td> </tr> <tr> <td>PC-8 TK</td> <td>Serbo Croat2</td> <td>HP ZIP</td> <td>IBM-865</td> <td>ISO-57 Chi</td> </tr> <tr> <td>PC-775</td> <td>Spanish</td> <td>USPSFIM</td> <td>ISO Dutch</td> <td>ISO-60 Nor</td> </tr> <tr> <td>PC-850</td> <td>Ukrainian</td> <td>USPSSTP</td> <td>ISO L1</td> <td>ISO-61 Nor</td> </tr> <tr> <td>PC-851 Grk</td> <td>VN Int'l</td> <td>USPSZIP</td> <td>ISO L2</td> <td>ISO-69 Fre</td> </tr> <tr> <td>PC-852</td> <td>VN Math</td> <td>Arabic-8</td> <td>ISO L4</td> <td>ISO-84 Por</td> </tr> <tr> <td>PC-855</td> <td>VN US</td> <td>Bulgarian</td> <td>ISO L5</td> <td>ISO-85 Spa</td> </tr> <tr> <td>PC-857 TK</td> <td>Win 3.0</td> <td>CWI Hung</td> <td>ISO L6</td> <td>ISO-Cyr</td> </tr> <tr> <td>PC-858</td> <td>Win 3.1 Arb</td> <td>DeskTop</td> <td>ISO L9</td> <td>ISO-Grk</td> </tr> <tr> <td>PC-862 Heb</td> <td>Win 3.1 L/G</td> <td>German</td> <td>ISO Swedish1</td> <td>ISO-Hebrew</td> </tr> <tr> <td>PC-864 L/A</td> <td>Win 3.1 Blt</td> <td>Greek-437</td> <td>ISO Swedish2</td> <td>Kamenicky</td> </tr> <tr> <td>PC-866</td> <td>Win 3.1 Cyr</td> <td>Greek-437 Cy</td> <td>ISO Swedish3</td> <td>Legal</td> </tr> <tr> <td>PC-866 Ukr</td> <td>Win 3.1 Grk</td> <td>Greek-737</td> <td>ISO-2 IRV</td> <td>Math-8</td> </tr> <tr> <td>PC-869</td> <td>Win 3.1 Heb</td> <td>Greek-8</td> <td>ISO-4 UK</td> <td>MC Text</td> </tr> <tr> <td>PC-1004</td> <td>Win 3.1 L1</td> <td>Greek-928</td> <td>ISO-6 ASC</td> <td>MS Publish</td> </tr> <tr> <td>Pi Font</td> <td>Win 3.1 L2</td> <td>Hebrew NC</td> <td>ISO-10 S/F</td> <td>PC Ext D/N</td> </tr> <tr> <td>Plska Mazvia</td> <td>Win 3.1 L5</td> <td>Hebrew OC</td> <td>ISO-11 Swe</td> <td>PC Ext US</td> </tr> <tr> <td>PS Math</td> <td>Wingdings</td> <td>Hebrew-7</td> <td>ISO-14 JSC</td> <td>PC Set1</td> </tr> <tr> <td>PS Text</td> <td>Dingbats MS</td> <td>Hebrew-8</td> <td>ISO-15 Ita</td> <td>PC Set2 D/N</td> </tr> <tr> <td>Roman-8</td> <td>Symbol</td> <td>IBM-437</td> <td>ISO-16 Por</td> <td>PC Set2 US</td> </tr> <tr> <td>Roman-9</td> <td>OCR-A</td> <td>IBM-850</td> <td>ISO-17 Spa</td> <td></td> </tr> <tr> <td>Roman Ext</td> <td>OCR-B</td> <td>IBM-860</td> <td>ISO-21 Ger</td> <td></td> </tr> </table>	PC-8 Grk	Serbo Croat1	OKI-OCRB	IBM-863	ISO-25 Fre	PC-8 TK	Serbo Croat2	HP ZIP	IBM-865	ISO-57 Chi	PC-775	Spanish	USPSFIM	ISO Dutch	ISO-60 Nor	PC-850	Ukrainian	USPSSTP	ISO L1	ISO-61 Nor	PC-851 Grk	VN Int'l	USPSZIP	ISO L2	ISO-69 Fre	PC-852	VN Math	Arabic-8	ISO L4	ISO-84 Por	PC-855	VN US	Bulgarian	ISO L5	ISO-85 Spa	PC-857 TK	Win 3.0	CWI Hung	ISO L6	ISO-Cyr	PC-858	Win 3.1 Arb	DeskTop	ISO L9	ISO-Grk	PC-862 Heb	Win 3.1 L/G	German	ISO Swedish1	ISO-Hebrew	PC-864 L/A	Win 3.1 Blt	Greek-437	ISO Swedish2	Kamenicky	PC-866	Win 3.1 Cyr	Greek-437 Cy	ISO Swedish3	Legal	PC-866 Ukr	Win 3.1 Grk	Greek-737	ISO-2 IRV	Math-8	PC-869	Win 3.1 Heb	Greek-8	ISO-4 UK	MC Text	PC-1004	Win 3.1 L1	Greek-928	ISO-6 ASC	MS Publish	Pi Font	Win 3.1 L2	Hebrew NC	ISO-10 S/F	PC Ext D/N	Plska Mazvia	Win 3.1 L5	Hebrew OC	ISO-11 Swe	PC Ext US	PS Math	Wingdings	Hebrew-7	ISO-14 JSC	PC Set1	PS Text	Dingbats MS	Hebrew-8	ISO-15 Ita	PC Set2 D/N	Roman-8	Symbol	IBM-437	ISO-16 Por	PC Set2 US	Roman-9	OCR-A	IBM-850	ISO-17 Spa		Roman Ext	OCR-B	IBM-860	ISO-21 Ger			
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※6 Reboot the printer, and the settings on PCL emulation menu is returned to the default.

Category	Item	Value	Function / Notes	B840dn	B820n
PCL EMULATION ※6	A4 PRINT WIDTH	78 COLUMN 80 COLUMN	Sets in PCL the number of characters for A4 paper Auto LF.	○	○
	WHITE PAGE SKIP	ON OFF	Sets whether to eject or not a page without any data to print (blank page) upon reception of FF command (OCH) in PCL Mode. When the PCL printer driver [Job Options] tab, the print mode is set to PCL mode, this setting is valid.	○	○
	CR FUNCTION	CR CR+LF	Sets performance when CR code is received in PCL.	○	○
	LF FUNCTION	LF LF+CR	Sets performance when LF code is received in PCL.	○	○
	PRINT MARGIN	NORMAL 1/5 INCH 1/6 INCH	Sets a non-printable area of paper. NORMAL: PCL emulation compatible, approximately 1/4~1/4.3INCH (depending on paper) is outside the printable area.	○	○
	PEN WIDTH ADJUST	ON OFF	When the minimum width is specified in PCL, if you draw a 1-dot line, it sometimes looks broken.	○	○
	TRAY ID#	TRAY ID#	The MP tray ~ Tray 3 settings.		
	PCL T0ID	1 } 4 } 59	Sets the # to specify the MPTray for the paper feed destination command (ESC&I#H) in PCL5e emulation.	○	○
	PCL T1ID	1 } 5 } 59	Sets the # to specify Tray 1 for the paper feed destination command (ESC&I#H) in PCL5e emulation.	○	○
	PCL T2ID	1 } 5 } 59	Sets the # to specify Tray 2 for the paper feed destination command (ESC&I#H) in PCL5e emulation. Displayed only if the Tray 2 is installed.	△	○
PCL T3ID	1 } 20 } 59	Sets the # to specify Tray 3 for the paper feed destination command (ESC&I#H) in PCL5e emulation. Displayed only if the Tray 3 is installed.	△	-	
PPR EMULATION	CHARACTER PITCH	10 CPI 12 CPI 17 CPI 20 CPI PROPORTIONAL	Specifies character pitch in IBM PPR emulation.	○	○
	FONT CONDENSE	12CPI TO 20CPI 12CPI TO 12CPI	Specifies 12CPI pitch for Condense Mode.	○	○
	CHARACTER SET	SET-2 SET-1	Sets a character set.	○	○
	SYMBOL SET	IBM-437 IBM-850 IBM-860 IBM-863 IBM-865 PC Set1 PC Ext US PC Ext D/N PC Set2 US PC Set2 D/N Roman-8 ISO L1	Sets a symbol set.	○	○

※6 Reboot the printer, and the settings on PCL emulation menu is returned to the default.

Category	Item	Value	Function / Notes	B840dn	B820n
PPR EMULATION	SYMBOL SET	PC-8 PC-8 Dan/Nor PC-850 Legal ISO-2 IRV ISO-4 UK ISO-6 ASC ISO-10 S/F ISO-11 Swe ISO-14 JASC ISO-15 Ita ISO-16 Por ISO-17 Spa ISO-21 Ger ISO-25 Fre ISO-57 Chi ISO-60 Nor ISO-61 Nor ISO-69 Fre ISO-84 Por ISO-85 Spa German Spanish ISO Dutch Roman Ext ISO Swedish1 ISO Swedish2 ISO Swedish3 VN Math VN Int'l VN US PS Math PS Text Math-8 Pi Font MS Publish Win 3.0 DeskTop Win 3.1 L1 MC Text PC-852 Win 3.1 L5 Win 3.1 L2 CWI Hung PC-857 TK ISO L2 ISO L5 PC-8 TK Kamenicky Hebrew NC Hebrew OC Plska Mazvia ISO L6 Win 3.1 Heb Win 3.1 Cyr PC-866 Win 3.1 Grk PC-869 PC-855 Greek-437 Greek-437 Cy Greek-737 Greek-928	Sets a symbol set.	<input type="radio"/>	<input type="radio"/>

Category	Item	Value	Function / Notes	B840dn	B820n
PPR EMULATION	SYMBOL SET	Serbo Croat2 Ukrainian Bulgarian PC-1004 Win 3.1 Blt PC-775 Serbo Croat1 PC-858 Roman-9 ISO L9		<input type="radio"/>	<input type="radio"/>
	LETTER O STYLE	ENABLE DISABLE	Specifies the style that replaces φ(9B)and ¥ (9D) with φ(ou) and Φ(zero).	<input type="radio"/>	<input type="radio"/>
	ZERO CHARACTER	NORMAL SLASHED	Specifies the style of 0(zero).	<input type="radio"/>	<input type="radio"/>
	LINE PITCH	6 LPI 8 LPI	Sets line space.	<input type="radio"/>	<input type="radio"/>
	WHITE PAGE SKIP	ON OFF	Sets ejecting or not ejecting a blank sheet.	<input type="radio"/>	<input type="radio"/>
	CR FUNCTION	CR CR+LF	Sets performance when CR code is received.	<input type="radio"/>	<input type="radio"/>
	LF FUNCTION	LF LF+CR	Sets performance when LF code is received.	<input type="radio"/>	<input type="radio"/>
	LINE LENGTH	80 COLUMN 136 COLUMN	Specifies the number of characters per line.	<input type="radio"/>	<input type="radio"/>
	FORM LENGTH	11 INCH 11.7 INCH 12 INCH	Specifies the length of paper.	<input type="radio"/>	<input type="radio"/>
	TOF POSITION	0.0INCH 0.1INCH ∧ 1.0INCH	Sets the position from the top edge of paper.	<input type="radio"/>	<input type="radio"/>
	LEFT MARGIN	0.0INCH 0.1INCH ∧ 1.0INCH	Sets the amount to shift the horizontal print start position to the right.	<input type="radio"/>	<input type="radio"/>
	FIT TO LETTER	ENABLE DISABLE	Sets the printing mode that can fit print data, equivalent to 11 inches (66 lines), in the LETTER-size printable area.	<input type="radio"/>	<input type="radio"/>
	TEXT HEIGHT	SAME DIFF	Sets height of a character.	<input type="radio"/>	<input type="radio"/>
	CONT PAPER MODE	OFF ON	Sets edit direction of paper supported by A3 printer to Landscape.	<input type="radio"/>	<input type="radio"/>
FX EMULATION	CHARACTER PITCH	10 CPI 12 CPI 17 CPI 20 CPI PROPORTIONAL	Specifies character pitch.	<input type="radio"/>	<input type="radio"/>
	CHARACTER SET	SET-2 SET-1	Specifies a character set.	<input type="radio"/>	<input type="radio"/>
	SYMBOL SET	IBM-437 IBM-850 IBM-860 IBM-863 IBM-865 PC Set1 PC Ext US PC Ext D/N PC Set2 US	Specifies a symbol set.	<input type="radio"/>	<input type="radio"/>

Category	Item	Value	Function / Notes	B840dn	B820n
FX EMULATION	SYMBOL SET	PC Set2 D/N Roman-8 ISO L1 PC-8 PC-8 Dan/Nor PC-850 Legal ISO-2 IRV ISO-4 UK ISO-6 ASC ISO-10 S/F ISO-11 Swe ISO-14 JASC ISO-15 Ita ISO-16 Por ISO-17 Spa ISO-21 Ger ISO-25 Fre ISO-57 Chi ISO-60 Nor ISO-61 Nor ISO-69 Fre ISO-84 Por ISO-85 Spa German Spanish ISO Dutch Roman Ext ISO Swedish1 ISO Swedish2 ISO Swedish3 VN Math VN Int'l VN US PS Math PS Text Math-8 Pi Font MS Publish Win 3.0 DeskTop Win 3.1 L1 MC Text PC-852 Win 3.1 L5 Win 3.1 L2 CWI Hung PC-857 TK ISO L2 ISO L5 PC-8 TK Kamenicky Hebrew NC Hebrew OC Plska Mazvia ISO L6 Win 3.1 Heb Win 3.1 Cyr PC-866 Win 3.1 Grk PC-869 PC-855	Specifies a symbol set.	○	○

Category	Item	Value	Function / Notes	B840dn	B820n
FX EMULATION	SYMBOL SET	Greek-437 Greek-437 Cy Greek-737 Greek-928 Serbo Croat2 Ukrainian Bulgarian PC-1004 Win 3.1 Blt PC-775 Serbo Croat1 PC-858 Roman-9 ISO L9		<input type="radio"/>	<input type="radio"/>
	LETTER O STYLE	ENABLE DISABLE	Specifies the style that replaces ϕ(9B) and ¥ (9D) with ϕ(ou) and Φ(zero).	<input type="radio"/>	<input type="radio"/>
	ZERO CHARACTER	NORMAL SLASHED	Specifies the style of 0 (zero).	<input type="radio"/>	<input type="radio"/>
	LINE PITCH	6 LPI 8 LPI	Sets line spacing	<input type="radio"/>	<input type="radio"/>
	WHITE PAGE SKIP	ON OFF	Sets whether ejecting a blank sheet or not.	<input type="radio"/>	<input type="radio"/>
	CR FUNCTION	CR CR+LF	Sets performance when CR code is received.	<input type="radio"/>	<input type="radio"/>
	LINE LENGTH	80 COLUMN 136 COLUMN	Specifies the number of characters per line.	<input type="radio"/>	<input type="radio"/>
	FORM LENGTH	11 INCH 11.7 INCH 12 INCH	Specifies the length of paper.	<input type="radio"/>	<input type="radio"/>
	TOF POSITION	0.0INCH 0.1INCH ⋮ 1.0INCH	Sets the position from the top edge of paper.	<input type="radio"/>	<input type="radio"/>
	LEFT MARGIN	0.0INCH 0.1INCH ⋮ 1.0INCH	Sets the amount of shifting the horizontal print start position to the right.	<input type="radio"/>	<input type="radio"/>
	FIT TO LETTER	ENABLE DISABLE	Sets the printing mode that can fit print data, equivalent to 11 inches (66 lines), in the Letter-size printable area.	<input type="radio"/>	<input type="radio"/>
	TEXT HEIGHT	SAME DIFF	Sets height of a character.	<input type="radio"/>	<input type="radio"/>
	CONT PAPER MODE	OFF ON	Set edit direction of paper supported by A3 printer to Landscape.	<input type="radio"/>	<input type="radio"/>
PARALLEL MENU	PARALLEL	ENABLE DISABLE	Sets Enable/Disable of Centro I/F.	<input type="radio"/>	<input type="radio"/>
	BI-DIRECTION	ENABLE DISABLE	Sets Enable/Disable of bi-directional Centro.	<input type="radio"/>	<input type="radio"/>
	ECP	ENABLE DISABLE	Sets Enable/Disable of ECP mode.	<input type="radio"/>	<input type="radio"/>
	ACK WIDTH	NARROW MEDIUM WIDE	Sets ACK width for compatible reception.	<input type="radio"/>	<input type="radio"/>
	ACK/BUSY TIMING	ACK IN BUSY ACK WHILE BUSY	Sets the order to output the BUSY signal and the ACK signal for compatible reception.	<input type="radio"/>	<input type="radio"/>

Category	Item	Value	Function / Notes	B840dn	B820n
PARALLEL MENU	I-PRIME	3 MICRO SEC 50 MICRO SEC DISABLE	Sets time to enable/disable the I-PRIME signal.	<input type="radio"/>	<input type="radio"/>
		ENABLE DISABLE	Sets Enable/Disable of a function that keeps receive-possible state without changing an I/F signal even though an alarm occurs.	<input type="radio"/>	-
USB MENU	USB	ENABLE DISABLE	Sets able/disable of USB I/F.	<input type="radio"/>	<input type="radio"/>
		ENABLE DISABLE	Sets Enable/Disable of Soft Reset command.	<input type="radio"/>	<input type="radio"/>
	SPEED	480Mbps 12Mbps	Sets of the max. USB I/F transfer speed.	<input type="radio"/>	<input type="radio"/>
	OFFLINE RECEIVE	ENABLE DISABLE	Sets Enable/Disable of a function that keeps receive-possible state without changing I/F signal even though an alarm occurs.	<input type="radio"/>	-
	SERIAL NUMBER	ENABLE DISABLE	Specifies Enable/Disable of a USB serial number.	<input type="radio"/>	<input type="radio"/>
NETWORK MENU	TCP/IP	ENABLE DISABLE	Sets Enable/Disable of TCP/IP Protocol.	<input type="radio"/>	<input type="radio"/>
	IP VERSION	IP v4 IP v4+v6 IP v6	Set up the IP version. From this stage, If IPv6 only is set from UI, for example Telnet, "IPv6" appears as the value of IP VERSION on the operation panel. "TCP/IP" should be ENABLE.	<input type="radio"/>	<input type="radio"/>
	NETBEUI	ENABLE DISABLE	Sets Enable/Disable of NetBEUI Protocol.	<input type="radio"/>	<input type="radio"/>
	NETBIOS OVER TCP	ENABLE DISABLE	Sets Enable/Disable of NetBIOS OVER TCP.	<input type="radio"/>	<input type="radio"/>
	NETWARE	ENABLE DISABLE	Sets Enable/Disable of NetWare Protocol.	<input type="radio"/>	<input type="radio"/>
	ETHERTALK	ENABLE DISABLE	Sets Enable/Disable of EtherTalk Protocol.	<input type="radio"/>	<input type="radio"/>
	FRAME TYPE	AUTO 802.2 802.3 ETHERNET II SNAP	Sets the frame type. "ENABLE" is selected in "NetWare."	<input type="radio"/>	<input type="radio"/>
	IP ADDRESS SET	AUTO MANUAL	Sets the IP address setting method. "TCP/IP" should be ENABLE and "IP v4" or "IPv4+v6" for "IP VERSION".	<input type="radio"/>	<input type="radio"/>
	IP ADDRESS	xxx.xxx.xxx.xxx	Sets the IP address. "TCP/IP" should be ENABLE and "IP v4" or "IPv4+v6" for "IP VERSION".	<input type="radio"/>	<input type="radio"/>
	SUBNET MASK	xxx.xxx.xxx.xxx	Sets the subnet mask. "TCP/IP" should be ENABLE and "IP v4" or "IPv4+v6" for "IP VERSION".	<input type="radio"/>	<input type="radio"/>
	GATEWAY ADDRESS	xxx.xxx.xxx.xxx	Sets the Gateway (default router) address. "TCP/IP" should be ENABLE and "IP v4" or "IPv4+v6" for "IP VERSION".	<input type="radio"/>	<input type="radio"/>
	WEB	ENABLE DISABLE	Sets Enable/Disable of Web. "ENABLE" is selected in "TCP/IP."	<input type="radio"/>	<input type="radio"/>
	TELNET	ENABLE DISABLE	Sets Enable/Disable of Telnet. "ENABLE" is selected in "TCP/IP."	<input type="radio"/>	<input type="radio"/>
FTP	ENABLE DISABLE	Sets Enable/Disable of FTP. "ENABLE" is selected in "TCP/IP."	<input type="radio"/>	<input type="radio"/>	
IPSEC	ENABLE DISABLE	Displayed only when Enable is selected for IPsec and allows a change only to Disable. IPsec needs to be set if valid, from the Web browser settings. "ENABLE" is selected in "TCP/IP."	<input type="radio"/>	<input type="radio"/>	

Category	Item	Value	Function / Notes	B840dn	B820n
NETWORK MENU	SNMP	ENABLE	Sets SNMP of FTP. "ENABLE" is selected in "TCP/IP" or "NETWARE".	○	○
		DISABLE			
	NETWORK SCALE	NORMAL	NORMAL: When NORMAL is selected, it can work effectively even when it is connected to HUB that has a spanning tree feature. However, printer start up time gets longer when computers are connected with two or three small LANs. SMALL : When SMALL is selected, computers can cover from two or three small LANs to a large LAN, but it may not work effectively when it is connected to HUB with a spanning tree feature.	○	○
		SMALL			
HUB LINK SETTING	AUTO NEGOTIATE 100BASE-TX FULL 100BASE-TX HALF 10BASE-T FULL 10BASE-T HALF	Sets a method to link with HUB. When Auto is set, a connection method to HUB is selected automatically and attempts to connect.	○	○	
	FACTORY DEFAULTS	EXECUTE	Specifies whether to initialize the network menu or not.	○	○
MEMORY MENU ※7	RECEIVE BUF SIZE	AUTO	Sets the size of receive buffer. The maximum selection that Menu displays is equal to the following formula or smaller.	○	○
		0.5MB 1MB 2MB 4MB 8MB 16MB 32MB			
	RESOURCE SAVE	AUTO OFF	Sets the size of resource saving area. The maximum selection that Menu displays is equal to the following formula or smaller.	○	○
		0.5MB 1MB 2MB 4MB 8MB 16MB 32MB			
SYS ADJUST MENU ※8	X ADJUST	0.00MILLIMETER +0.25MILLIMETER ? +2.00MILLIMETER -2.00MILLIMETER ? -0.25MILLIMETER	Adjusts the position of a whole print image in the direction that is perpendicular to the direction paper runs, that is horizontally (at 0.25 mm pitch). Any parts of the print image that go beyond the printable area as a result of this designation are clipped. When the PCL printer driver [Job Options] tab, the print mode is set to PCL mode, this setting is valid.	○	○
	Y ADJUST	0.00MILLIMETER +0.25MILLIMETER ? +2.00MILLIMETER -2.00MILLIMETER ? -0.25MILLIMETER	Adjusts the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). Any parts of the print image that go beyond the printable area as a result of this designation are clipped. When the PCL printer driver [Job Options] tab, the print mode is set to picture mode, this setting is invalid. Correction in negative values is invalid in PS Mode.	○	○
SYS ADJUST MENU ※8	DUPLEX X ADJUST	0.00MILLIMETER +0.25MILLIMETER ? +2.00MILLIMETER -2.00MILLIMETER ? -0.25MILLIMETER	At the time of back page printing of Duplex, adjusts the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). Any parts of the print image that go beyond the printable area as a result of this designation are clipped. When the PCL printer driver [Job Options] tab, the print mode is set to picture mode, this setting is invalid. Duplex unit is installed.	○	○

※7 Set [ADMIN MENU] - [OP MENU] - [MEMORY MENU] as "ENABLE", all items of setting under the MEMORY menu display.

※8 Set [ADMIN MENU] - [OP MENU] - [MEMORY MENU] as "ENABLE", all items of setting under the MEMORY menu display.

Category	Item	Value	Function / Notes	B840dn	B820n
SYS ADJUST MENU ※8	DUPLEX Y ADJUST	0.00MILLIMETER +0.25MILLIMETER ? +2.00MILLIMETER -2.00MILLIMETER ? -0.25MILLIMETER	At the time of back page printing of Duplex, adjusts the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). Any parts of the print image that go beyond the printable area as a result of this designation are clipped. When the PCL printer driver [Job Options] tab, the print mode is set to picture mode, this setting is invalid. Adjustment in negative values is invalid in PS Mode. Duplex unit is installed.	○	○
	PLACE PAGE	CENTER LEFT	Sets the mechanical paper position to Center-based or Left-based. When the received PCL print data does not contain specified paper size data, or when paper size in feed tray is smaller than that of the paper to print, the function is valid. When you want to print to paper a central location, set to "CENTER". When you want to print to paper on the left, set to "LEFT". In addition, print using the printer driver, this function is invalid.	○	○
	HEX DUMP	EXECUTE	Prints out data received from the host PC in the hexadecimal Dump. Turning off the power supply switch restores Normal Mode from HEX Dump Mode.	○	○
MAINTENANCE MENU	MENU RESET	EXECUTE	Initializes the menu settings.	○	○
	SAVE MENU	EXECUTE	Saves menus currently set.	○	○
	RESTORE MENU	EXECUTE	Changes to the menu setting saved.	○	○
	POWER SAVE	ENABLE DISABLE	Sets Enable/Disable of Power Save Mode. Change the transition time to the energy saving mode by "USER MENU" - "SYSTEM CONFIG MENU" - "POW SAVE TIME"when Enable is set.	○	○
	SLEEP	ENABLE DISABLE	Sets Enable/Disable of Sleep Mode.	○	○
	USB HOST POWER	OFF ON	Sets enable/disable of USB Power Save.	○	○
	PAPER BLACK SET	0 +1 +2 +3 -3 -2 -1	Uses it for fine adjustment of the significant dust attachment on the surface and when thin spot has the significant impact on the standard/BLACK printing or other cases occur.	○	○
	TRNSPR BLACK SET	0 +1 +2 +3 -3 -2 -1	Uses it for fine adjustment of the significant dust attachment on the surface and when thin spot has the significant impact on OHP/BLACK printing.	○	○
	DARKNESS	0 +1 +2 +3 -3 -2 -1	Sets print darkness.	○	○
SMR SETTING	-3 -2 -1 0 +1 +2 +3	Changes the setting when print quality is uneven.	○	○	

※8 Set [ADMIN MENU] - [OP MENU] - [MEMORY MENU] as "ENABLE", all items of setting under the MEMORY menu display.











When the printer is used for an extended period of time with "POWER SAVE" set as "DISABLE", the life of its electronic components (fan, etc.) might be affected.

Category	Item	Value	Function / Notes	B840dn	B820n
MAINTENANCE MENU	BG SETTING	-3	When the paper has a slight stains, adjust the settings.	○	○
		-2			
		-1			
		0			
		+1			
		+2			
	+3				
USAGE MENU	TRAY 1 PAGE COUNT	nnnnnn	Displays the total number of pages printed from Tray 1.	○	○
	TRAY 2 PAGE COUNT	nnnnnn	Displays the total number of pages printed from Tray 2. Tray2 is installed.	△	△
	TRAY 3 PAGE COUNT	nnnnnn	Displays the total number of pages printed from Tray 3. Tray3 is installed.	△	-
	MPT PAGE COUNT	nnnnnn	Displays the total number of pages printed from MPTray(Multi-Purpose Tray).	○	○
	FUSER LIFE	REMAINING nnn%	Displays the remaining life of the FUSER unit in %.	○	○
	TONER (n.nK)	REMAINING nnn%	Displays the remaining toner amount in %. Display of "(n.nK)" in the Item column is capacity of toner cartridges installed in the printer. 6.0K : Toner Cartridge(Standard Capacity) 15.0K : Toner Cartridge(Large capacity)	○	○

PRINT STATISTICS

Sets whether to print the statistics result and remove the counter used during the printing, etc.
Make settings on the operation panel of printer.

Method of change

- ① Turn off the printer (○).
- ② Push  Button and Power Switch ON(). After displayed [PRINT STATISTICS], detach from the button.
- ③ Enter the password.
Memo The default value of password is '0000'.
- ④ Push  or  Button until to display the item of setting, and **ENTER**  Button.
- ⑤ Push  or  Button until to display the value of object.
- ⑥ Push **ENTER**  Button, and attach [*] to right from value.
- ⑦ Push **ON LINE**  Button, and the printer starts reboot.

List of the PRINT STATISTICS

The shaded "setting value" is the default.

Category	Item	Value	Function / Notes
PRINT STATISTICS	ENTER PASSWORD	****	Enters a password to enter Print Statistics menu. The default value is "0000."
	USAGE REPORT	ENABLE	Changes USAGE REPORT print Enable/Disable. When change is done, it will exit from the menu.
		DISABLE	
	GROUP COUNTER	ENABLE	Sets Group Counter Display/Do Not Display on USAGE REPORT. ENABLE: Display DISABLE: Do not display · "PRINT STATISTICS" - "USAGE REPORT" <= This is set to "ENABLE".
		DISABLE	
	SUPPLIES REPORT	ENABLE	Sets Supplies Report Display/Do Not Display. When ENABLE is setted, Maintenance Counter also to be printed. · "PRINT STATISTICS" - "USAGE REPORT" <= This is set to "ENABLE".
		DISABLE	
	RST MAIN CNT	EXECUTE	Resets Main Counter. · "PRINT STATISTICS" - "USAGE REPORT" <= This is set to "ENABLE".
	RST GROUP CNT	EXECUTE	It is reset Section Counter of Print Statistics function. · PRINT STATISTICS" - "USAGE REPORT" <= This is set to "ENABLE".
	RST SUPPLIES CNT	EXECUTE	Resets Supplies Report. · "PRINT STATISTICS" - "USAGE REPORT" <= This is set to "ENABLE". · "PRINT STATISTICS" - "SUPPLIES REPORT" <= This is set to "ENABLE".
CHANGE PASSWORD		Changes a password to enter "PRINT STATISTICS" menu. · "PRINT STATISTICS" - "USAGE REPORT" <= This is set to "ENABLE".	
NEW PASSWORD	****	Sets a new password to enter "PRINT STATISTICS" menu. Please enter the 4-digit password.	
VERIFY PASSWORD	****	Makes User input the new password to enter "PRINT STATISTICS" set in "NEW PASSWORD" for confirmation.	

ADMIN MENU









Each item in User Menu can be set as ENABLE/DISABLE, etc. Disabled items are not displayed in User Menu.

Only the administrator can use this function.

Memo Disabled items are also printed during the MENU MAP print.

Make settings on the operation panel of printer.

Method of change

- ① Turn off the printer (○).
- ② Push **ENTER**  Button and Power Switch ON(|). After displayed [ADMIN MENU], detach from the button.
- ③ Enter the password.
Memo The default value of password is 'aaaaaa'.
- ④ Push  or  Button until to display the item of setting, and push **ENTER**  Button.
- ⑤ Push  or  Button until to display the value of object.
- ⑥ Push **ENTER**  Button, and attach [*] to right from value.
- ⑦ Push **ON LINE**  Button, and the printer starts reboot.

List of the ADMIN MENU

The shaded "setting value" is the default.

Category	Item	Value	Function / Notes
ADMIN MENU	ENTER PASSWORD	*****	Enters a password to enter Admin menu. The default value is "aaaaaa". From 6 to 12 digits of numbers or Roman character to input.
OP MENU	ALL CATEGORY	ENABLE DISABLE	Sets VALID/INVALID of ALL CATEGORY in User Manual.
	PRINT JOBS MENU	ENABLE DISABLE	Sets VALID/INVALID of PRINT JOBS MENU category.
	INFORMATION MENU	ENABLE DISABLE	Sets VALID/INVALID of INFORMATION MENU category.
	SHUTDOWN MENU	ENABLE DISABLE	Sets VALID/INVALID of SHUTDOWN MENU category.
	PRINT MENU	ENABLE DISABLE	Sets VALID/INVALID of PRINT MENU category.
	MEDIA MENU	ENABLE DISABLE	Sets VALID/INVALID of MEDIA MENU category.
	SYS CONFIG MENU	ENABLE DISABLE	Sets VALID/INVALID of SYSTEM CONFIG MENU category.
	PCL EMULATION	ENABLE DISABLE	Sets VALID/INVALID of PCL EMULATION MENU category.
	PPR EMULATION	ENABLE DISABLE	Sets VALID/INVALID of PPR EMULATION MENU category.
	FX EMULATION	ENABLE DISABLE	Sets VALID/INVALID of FX EMULATION MENU category.
	PARALLEL MENU	ENABLE DISABLE	Sets VALID/INVALID of PARALLEL MENU category.
	USB MENU	ENABLE DISABLE	Sets VALID/INVALID of USB MENU category.

Category	Item	Value	Function / Notes
OP MENU	NETWORK MENU	ENABLE DISABLE	Sets VALID/INVALID of NETWORK MENU category.
	MEMORY MENU	ENABLE DISABLE	Sets VALID/INVALID of MEMORY MENU category.
	SYS ADJUST MENU	ENABLE DISABLE	Sets VALID/INVALID of SYSTEM ADJUSTMENT MENU category.
	MAINTENANCE MENU	ENABLE DISABLE	Sets VALID/INVALID of MAINTENANCE MENU category.
	USAGE MENU	ENABLE DISABLE	Sets VALID/INVALID of USAGE MENU category.
	VM SETUP	ENABLE DISABLE	Sets VALID/INVALID of VM SETUP category.
	APP SETTING	ENABLE DISABLE	Sets VALID/INVALID of APP SETTING category.
	APPLICATION	ENABLE DISABLE	Sets VALID/INVALID of APPLICATION category.
CONFIG MENU	NEARLIFE LED	ENABLE DISABLE	Conducts the settings of LED lighting control when NearLife warning of a toner, drum, fuser, or belt occurs.
	HIGH HUM. MODE	ON OFF	Sets simplex fuser temperature mode for paper curl. When the serious warping of the printing paper, change to ON. Sets to ON, the print will be slower. If the status is set to ON for continuous use, the toner cartridge can print pages will be reduced.
	PEAK POW CONTROL	Nomal Low	Sets Yes/No of low peak power control. The low peak power control set to LOW, although 1000W maximum power will be reduced to the following, but the performance will be reduced.
TIME SETUP	DATE FORMAT	YYYY/MM/DD MM/DD/YYYY DD/MM/YYYY	Sets Format of Data.
	TIME ZONE	-12:00 } +0:00 } +13:00	Sets the Time Zone Range is (-12:00~+13:00,step is 15min)
	DAY LIGHT SAVING	ON OFF	Sets Day Light.
	TIME SETTING	2000/01/01 00 :00 } 2009/01/01 00 :00 } 2091/12/31 23 :59 ----- 01/01/2000 00 :00 } 01/01/2009 00 :00 } 12/31/2091 23 :59 ----- 01/01/2000 00 :00 } 01/01/2009 00 :00 } 31/12/2091 23 :59	Sets Time. According to [DATE FORMAT] setting in the format, displays the time.

Category	Item	Value	Function / Notes
SECURITY MENU	JOB LIMITATION	OFF	Job control in restricted mode.
		ENCRYPTED JOB	Sets "ENCRYPTED JOB", then printing of all the data other than the specified print data (only encrypted print can be designated) is restricted. This item appears only when SD is installed.
	MAKESECURE-SDCARD	EXECUTE	Sets the encrypted function of the data in SD to valid. Generates the password and sets the encrypted function (security mode) to ON, and initializes SD. Operate the menu, and then restart the printer. This item appears only when SD is installed.
	MAKENORMAL-SDCARD	EXECUTE	Sets the encrypted function of the data in SD to invalid. Deletes the password and sets the encrypted function (security mode) to OFF, and initializes SD. Operate the menu, and then restart the printer. This item appears only when SD is installed.
	RESET CIPHER KEY	EXECUTE	Regenerates the password to encrypt SD. Operates the menu, and then all the data in SD is unrecoverable. Operate the menu, and then restart the printer. This item appears only when SD is installed.
FILE SYS MAINT1 ※1	SD INITIALIZE	EXECUTE	Makes SD initialize as factory default. Operate the menu, and then restart the printer. This item appears only when SD is installed.
	PARTITION SIZE	nnn%/mmm%/lll%(B840dn)	It will transfer to the list screen of SD partition size. This item appears only when SD is installed.
			Sets SD partition size. Sets the proportion relative to overall SD size by 1%. Default value for B840dn is 20%(PCL)/ 50%(COMMON)/ 30%(PS), and 20%(PCL)/79%(COMMON)/1%(PS) for B820n. This item appears only when SD is installed.
	SD FORMATTING	PCL	Format for the specified partition. Operates the menu, and then restart the printer. This item appears only when SD is installed.
		COMMON PS(B840dn) ※2	
FLASH INITIALIZE	EXECUTE	Initializes the resident FLASH.	
FILE SYS MAINT2	CHK FILE SYS	EXECUTE	It will solve the mismatch between the actual and the displayed free space of the file system and recover the management data (FAT information). Recover result(ErrorReport) is printed when ON-LINE. This item appears only when SD is installed.
	CHK ALL SECTORS	EXECUTE	It will recover an error of SD sector information and the mismatch of the file system noted above. Recover result(ErrorReport) is printed when ON-LINE. This item appears only when SD is installed.
	SD CARD	ENABLE DISABLE	Sets access to SD. Sets to "DISABLE", then SD is regarded as uninstalled. Start the printer. Operate the menu, and then restart the printer. This item appears only when SD is installed.
	SD CARD ERASE	EXECUTE	It features of the deletion of all the data stored in the hard disk not to be recovered them. It aims at the complete deletion of printing and individual data left in the hard disk by disposal of the printer and clear disk at return. This item appears only when SD is installed.
	INITIAL LOCK	YES NO	Sets Yes/No of setup change during SD initialization. If selecting "YES", it will disappear the item of ADMIN MENU" - "FILE SYS MAINT1". "PRINT STATISTICS"-"USAGE REPORT" - "DISABLE"
LANGUAGE MENU	LANG INITIALIZE	EXECUTE	Initializes the message file loaded in FLASH. Operates the menu, and then restart the printer.

- ※1 Set [FILE SYS MAINT2] - [INITIAL LOCK] as "NO", and the category of "FILE SYS MAINT1" shows.
 ※2 "PS" of the setting value shows on B840dn only.

Category	Item	Value	Function / Notes
PS MENU	L1 TRAY	TYPE1 TYPE2	The tray selection number of level 1 operator for TYPE1 setting from 1 is valid and from 0 for TYPE2 setting. Only B840dn.
SIDM MENU	SIDM MANUAL ID#	0 }\n2 }\n9	Sets # specified in MANUAL by MANUAL-1 ID No.FX/PPR Emu in CSF control command.
		2	
	SIDM MANUAL2 ID#	0 }\n3 }\n9	Sets # specified MANUAL by MANUAL-2 ID No.FX/PPR Emu in CSF control command.
		3	
	SIDM MP TRAY ID#	0 }\n4 }\n9	Sets # specified MANUAL by MANUAL-2 ID No.FX/PPR Emu in CSF control command.
		4	
SIDM TRAY1 ID#	0 }\n1 }\n9	Sets # specified TRAY 1 by Tray 1 ID No.FX/PPR Emu in CSF control command.	
	1		
SIDM TRAY2 ID#	0 }\n2 }\n5 }\n9	Sets # specified TRAY 2 by Tray 2 ID No.FX/PPR Emu in CSF control command. · Tray 2 installment	
	2		
	5		
	9		
SIDM TRAY3 ID#	0 }\n5 }\n6 }\n9	Sets # specified TRAY 3 by Tray 3 ID No.FX/PPR Emu in CSF control command. · Tray 3 installment Only B840dn	
	5		
	6		
	9		
CHANGE PASSWORD	NEW PASSWORD	*****	Sets a new password for entering administrator's menu. From 6 to 12 digits of number or Roman character can be enter.
	VERIFY PASSWORD	*****	Enters a new password set in "NEW PASSWORD"to enter administrator's menu.

[Memo]

Chapter 3 Maintenance










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Replacing the Toner Cartridge

⚠️ WARNING


 <ul style="list-style-type: none"> Do not throw the toner cartridge into fire; toner flies and burn injury may result. 	 <ul style="list-style-type: none"> Keep the toner cartridge from flame; it ignites and burn injury may result. 	 <ul style="list-style-type: none"> Do not use electric vacuum cleaners to vacuum off spilled toner; a spark at an electric contact may cause ignition. Use a damp cloth to wipe toner spilled on a floor.
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⚠️ CAUTION

 <ul style="list-style-type: none"> Some parts inside the printer are hot. Do not touch the area around the CAUTION-HOT label; burn injury may result. 	 <ul style="list-style-type: none"> Keep the toner cartridge out of the reach of children. If a child suffers accidental toner inhalation, immediately consult a physician. 	 <ul style="list-style-type: none"> If suffering toner inhalation, gargle with plenty of water, move to fresh air and, when necessary, consult a physician.
 <ul style="list-style-type: none"> Thoroughly wash away toner on hands or skins by using soapy water. 	 <ul style="list-style-type: none"> If toner gets in an eye, immediately rinse it with plenty of water and, when necessary, consult a physician. 	 <ul style="list-style-type: none"> If ingesting toner, let it out and, when necessary, consult a physician.
 <ul style="list-style-type: none"> When dealing with a paper jam or replacing the toner cartridge, be careful not to stain clothes or hands with toner. Wash away toner on clothes by using cold water. When heated by washing the clothes with warm water, such toner may cling to the clothes, becoming unremovable. 	 <ul style="list-style-type: none"> Do not disassemble the toner cartridge; toner flies, and toner inhalation or a toner-stained hand or clothes may result. 	 <ul style="list-style-type: none"> Put used toner cartridges in bags to prevent toner from flying out of them.

Toner Cartridge Replacement Indications

As the printer displays a message [ORDER TONER] on the operator panel when the toner cartridge is near the end of its life, prepare a new toner cartridge. When the printer displays [TONER LIFE] on the operator panel, stopping printing, after still printing in this state, replace the toner cartridge. The printer can print approximately 250 pages, a value based on ISO/IEC19752, before [TONER LIFE] after displaying [ORDER TONER].

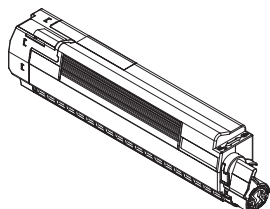
Toner may remain in the toner cartridge when the printer displays a message [CHECK TONER CARTRIDGE/547: IMPROPER LOCK LEVER POSITION]. Be sure that the toner cartridge knob is turned in the direction toward the lock mark  of the toner cartridge until it is turned end, and then lightly tap the toner cartridge.

Types of Toner Cartridges and Numbers of Pages that Can be Printed with Them

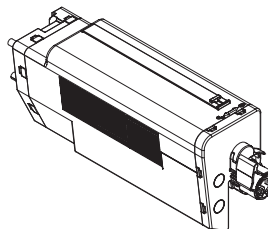
The life expectancy values for the toner cartridges are based on ISO/IEC19752, converted on an A4 paper size basis for the factory default print density setting.

The standard toner cartridge is the same as that supplied with your product.

The toner cartridge (large) contains an increased amount of toner.



Toner Cartridge



Toner Cartridge (Large)

■ Toner Cartridge Life Expectancies

Toner Cartridge	6,000 pages
Toner Cartridge (Large)	15,000 pages

The toner cartridge life expectancies are provided for printing at the print density of the ISO/IEC19752 standard print pattern and in general use (three pages per job). The numbers of pages that can be printed with the toner cartridges are substantially smaller than the above expectancies for printing one page per job or at a high print density.

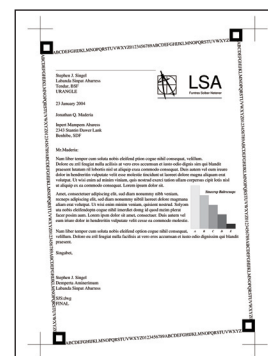
- Note!**
- The toner cartridges lower print quality one year or more after they are unpacked.
 - Use genuine Oki Data original consumables to ensure optimum performance of the product. When using a non genuine Oki Data original consumable, the product may not deliver its optimum performance, as well as lowering its print quality. Even during the warranty period, Oki Data with charge deals with troubles that may arise with use of a non genuine Oki Data original consumable (although not all non genuine Oki Data original consumables cause a trouble when used for the product, note this enough in use of them).
 - The printer may transiently output light images directly after the toner cartridge is replaced. After the printer performs printing for a while, it recovers.
 - The printer may fairly infrequently produce darker print images when using the toner cartridge for a long period. Set [DARKNESS] to [-1] or [-2] through MAINTENANCE MENU on the printer, or set and adjust [Printer Darkness] in your printer driver to [Light] or [Medium Light]. After the printer's toner cartridge is replaced with a new one, put the setting for the option back to the original one.
 - After displaying [TONER LIFE], the printer can still perform printing operation on approximate 20 pages through opening and closing the top cover and, after the toner cartridge runs out of toner or the printer prints a predetermined number of pages, the printer cannot perform printing to protect itself. In such a case, replace the toner cartridge.
 - If a used toner cartridge/image drum is exchanged with one of another machine, the quantity of the used toner is not counted normally.

※About ISO/IEC19752

ISO/IEC19752 is a standard that aims to standardize the methods for measuring the numbers of pages that can be printed with toner cartridges. Defined by the standard, the numbers of pages that can be printed with toner cartridges as well as the operation cost are values measured by printing ISO/IEC19752-defined standard data continuously on A4 size paper.

ISO/IEC19752 Standard Data ▶

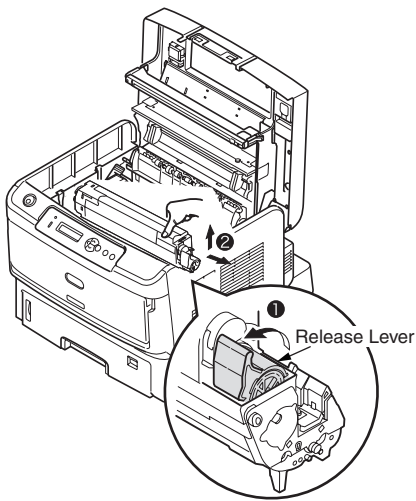
Memo The life expectancy before [TONER LIFE] after displaying [ORDER TONER] is approximately 250 pages (at the print density of the standard print pattern).



Replacing the Toner Cartridge

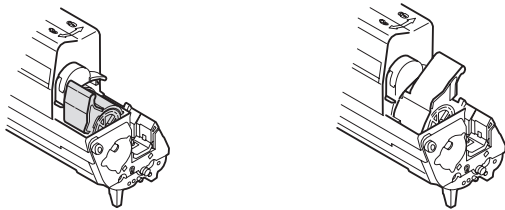
1 Open the top cover and remove the toner cartridge.

- ① Rotate the blue release lever in the direction of the arrow until it stops.
- ② Hold the toner release lever by one end to lean to raise the toner cartridge.
- ③ Tilt up the toner cartridge and pull it out horizontally.



[Position of the toner cartridge release lever]

Location to remove the toner cartridge Toner cartridge installed



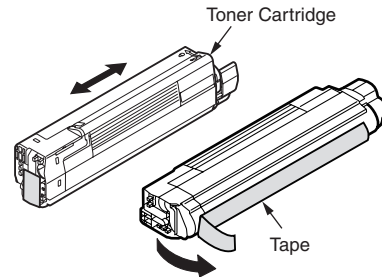
- Note!**
- Install the image drum tube to the opposite side to the toner cartridge release lever. Lift or pull out the image drum tube can cause damage to it.
 - When disposing of used toner cartridges by necessity, poly-bag them, and be sure to follow instructions and regulations of your local government.

⚠ WARNING

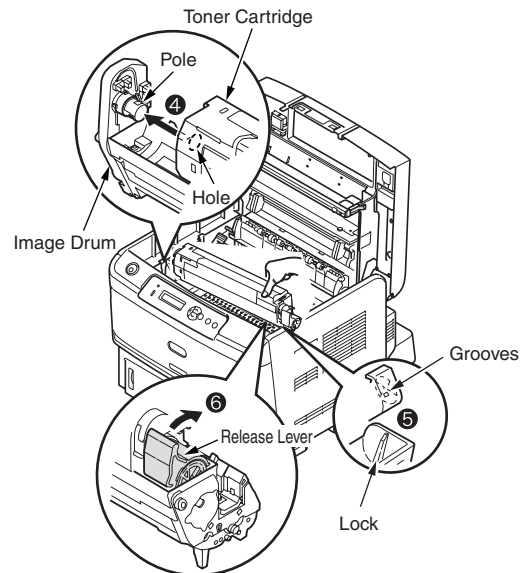
Be sure not to throw used toner cartridges into fire; toner in the cartridges flies and explodes and burn injury may result.

2 Install a new toner cartridge.

- ① Unpack the new toner cartridge.
- ② Hold the toner cartridge at both ends to gently shake it for several times.
- ③ Place the toner cartridge horizontally and slightly remove the tape from it.



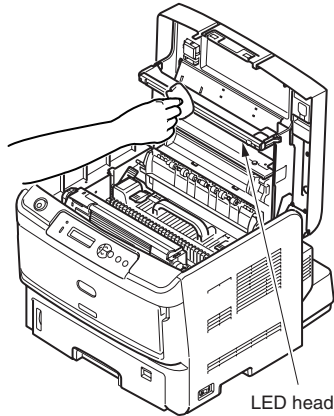
- ④ Install the toner cartridge hole to the bulge section (post) of image drum with tape face down.
- ⑤ Firmly press the grooves at the right side of the toner cartridge against the bulge section of toner cartridge guide rail.
- ⑥ Rotate the toner cartridge release lever in the direction of the arrow until it stops.



- Note!** When the toner cartridge is not fully fixed, a decline in print quality may occur.

3 Lightly wipe the whole LED head with a soft cloth or soft tissue paper.

Note! Do not use solvents, such as methyl alcohol or thinners. They damage the LED head.






4 Close the top cover.

Note! When "CHECK IMAGE DRUM/543:TONER SENSOR ERROR" information shows, be sure to turn the knob in the direction toward the lock mark (🔒) until the knob stops.

Replacing the Image Drum

⚠️ WARNING

 <ul style="list-style-type: none"> Do not throw the toner cartridge or toner into fire; toner flies and burn injury may result. 	 <ul style="list-style-type: none"> Keep the toner cartridge from flame; it ignites and burn injury may result. 	 <ul style="list-style-type: none"> Do not use electric vacuum cleaners to vacuum off spilled toner; a spark at an electric contact may cause ignition. Use a damp cloth to wipe toner spilled on a floor.
--	---	--

⚠️ CAUTION










 <ul style="list-style-type: none"> Some parts inside the printer are hot. Do not touch the area around the CAUTION-HOT label; burn injury may result. 	 <ul style="list-style-type: none"> Keep the toner cartridge out of the reach of children. If a child suffers accidental toner inhalation, immediately consult a physician. 	 <ul style="list-style-type: none"> If suffering toner inhalation, gargle with plenty of water, move to fresh air and, when necessary, consult a physician.
 <ul style="list-style-type: none"> Thoroughly wash away toner on hands or skins by using soapy water. 	 <ul style="list-style-type: none"> If toner gets in an eye, immediately rinse it with plenty of water and, when necessary, consult a physician. 	 <ul style="list-style-type: none"> If ingesting toner, drink plenty of water to dilute the toner. When necessary, consult a physician.
 <ul style="list-style-type: none"> When dealing with a paper jam or replacing the toner cartridge, be careful not to stain clothes or hands with toner. Thoroughly wash away toner on hands or skins by using soapy water. Wash away toner on clothes by using cold water. When heated by washing the clothes with warm water, such toner may cling to the clothes, becoming irremovable. 	 <ul style="list-style-type: none"> Do not disassemble the toner cartridge; toner flies, and toner inhalation or a toner-stained hand or clothes may result. 	 <ul style="list-style-type: none"> Put used toner cartridges in bags to prevent toner from flying out of them.

Image drum replacement standard

When the image drum reaches the end of its life, the printer displays a message [ORDER IMAGE DRUM] on the operation panel. If print continued, the printer shows a message [REPLACE IMAGE DRUM] and stops printing.

The life expectancy for the image drum is approximately 30,000 pages converted on an A4 size paper basis (landscape feeding, simplex printing), only if in general use (three pages per job). If sheet-fed printing is performed, the life of image drum is approximately reduced by half.

(Approximately 40,500 pages are printed continuously.)



Memo

- After displaying [ORDER IMAGE DRUM], the printer can still print approximately 500 pages before [IMAGE DRUM LIFE] shows. (A4 size, landscape feeding, simplex printing and 3 pages per job)
- When running out of toner, the printer can still perform printing operation through opening and closing the top cover.

Note!

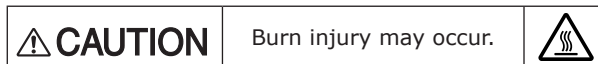
- The toner cartridge lower print quality one year or more after they are unpacked. Prepare a new toner cartridge.
- After displaying [REPLACE IMAGE DRUM], the printer can still perform printing operation through opening and closing the top cover. However, after the toner cartridge runs out of toner, the printer cannot continue to print.
- The toner is running out after [ORDER IMAGE DRUM] shows, and the message becomes [IMAGE DRUM LIFE] after 500 pages or less is printed. The printer may fairly infrequently produce lighter print images before a message [IMAGE DRUM LIFE] is displayed, depending on the condition of usage.
- Use genuine Oki Data original consumables to ensure optimum performance of the product.
- When using a non genuine Oki Data original consumable, the product may not deliver its optimum performance, and print quality may decline.

Warranty does not apply if the troubles arise with use of a non genuine Oki Data original consumable. You need to pay for repairs even during the warranty period. (Non genuine Oki Data original consumables may cause a trouble when used for the product, note this enough in use of them.)

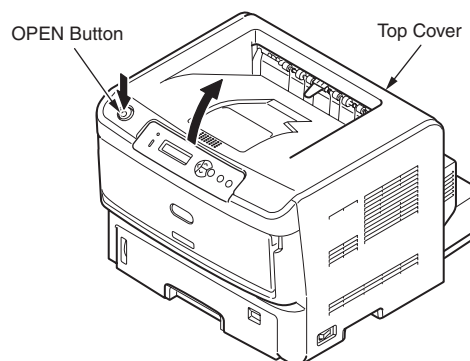
Product Name	Order No.
Image drum	44707401

Replace the image drum

1 Press OPEN button, and open the top cover.



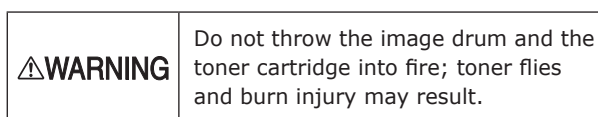
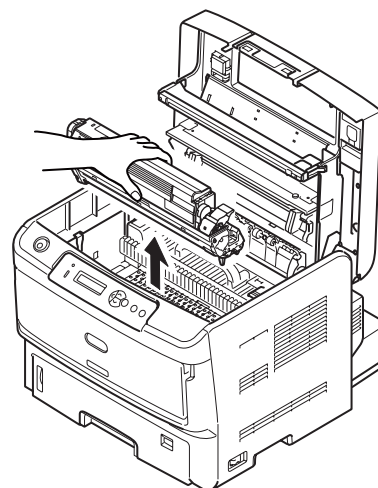
The fuser is extremely hot after the printer is used. Do not touch it.



2 Remove the image drum.

Hold the top of image drum at its central part, and remove it from the printer with the toner cartridge.

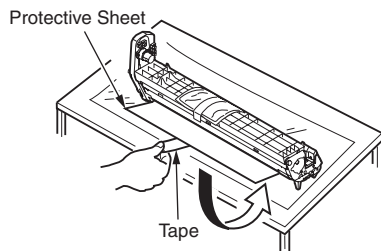
When handling used image drum and toner cartridge, put them into plastic bags and discard them in accordance with relevant local regulations.



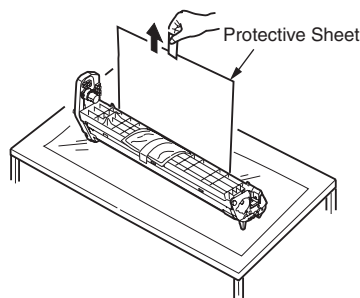
3 Prepare a new image drum.

- Note!**
- Do not tilt the image drum; toner may spill.
 - The image drum (the green tube) is very delicate. Handle it with enough care.
 - Do not expose the image drum to direct sunlight or brighter interior light (approximately 1,500 lux or more). Do not leave the image drum under normal interior light for 5 minutes or more.

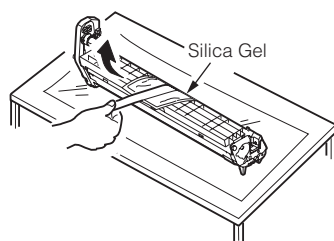
1 Put the new drum on the newspaper.



2 Remove the tape from the fixed protective film and pull it out in the direction of the arrow.



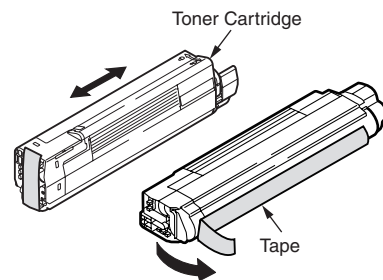
3 Take out the desiccant.



4 Install the new toner cartridge to the drum.

- Note!** You can install a used toner cartridge. It is recommended a new toner cartridge used under the following conditions.
- The toner cartridge may affect print quality one year or more after they are unpacked.
 - Since the new image drum does not have toner, fill the toner from the installed toner cartridge. When the installed toner cartridge has small amounts of toner in it, a message [REPLACE TONER] shows immediately.
 - When a used toner cartridge is installed, the toner margin displayed before "ORDER TONER" shows may be incorrect.

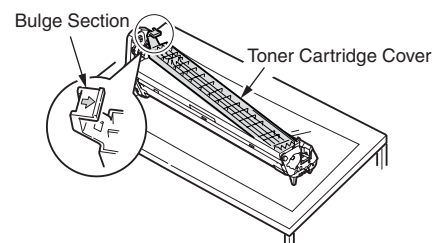
1 Unpack the new toner cartridge.



2 Hold the toner cartridge at both ends to gently shake it for several times.

3 Place the toner cartridge horizontally and slightly remove the tape from it.

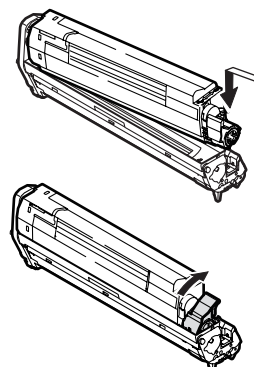
4 Take out the toner cartridge cover.



5 Insert the toner cartridge hole into the image drum dowel pin with tape side down.

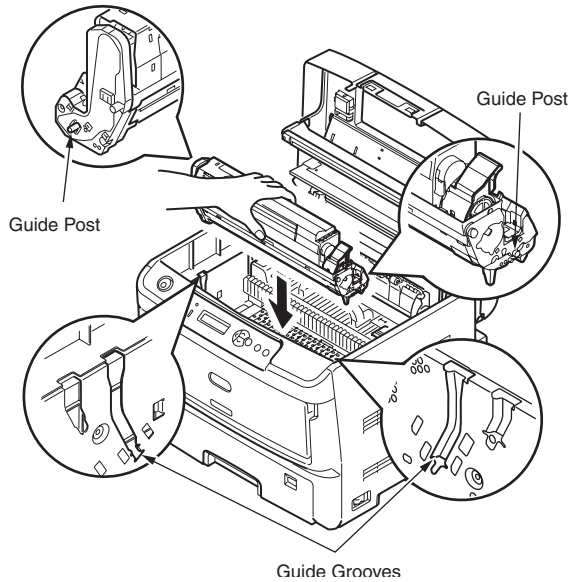
6 Firmly press the grooves at the right side of the toner cartridge against the bulge section of toner cartridge.

7 Place the toner cartridge release lever in the direction of the arrow until it stops.

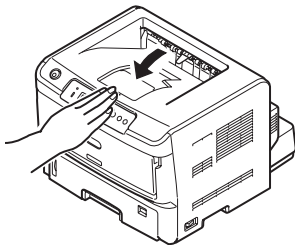


5 Install the image drum to the printer.

Align both guide posts of the drum with their guide grooves on the printer, and gently put the drum into the printer.



6 Close the top cover.



Note! When "CHECK IMAGE DRUM / 543:TONER SENSOR ERROR" is displayed, be sure to turn the knob in the direction toward the lock mark (🔒) until the knob stops.

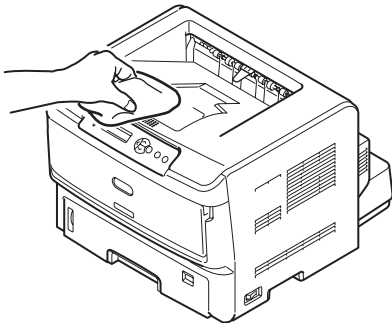
Cleaning the Printer

Cleaning the surface of the printer

Cleaning the surface of the printer.

1 Wipe the surface of the printer with a cloth wrung out with water or neutral detergent.

2 Wipe the surface of the printer with a dry soft cloth.



- Note!**
- Use nothing except water and neutral detergent.
 - The printer requires no lubrication. Do not lubricate the printer.

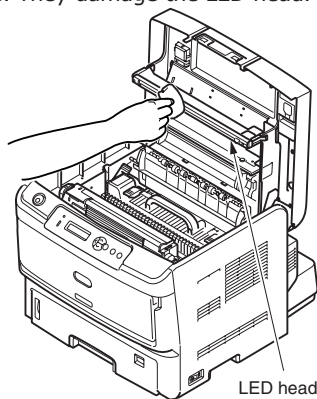
Cleaning the LED head

Clean the LED head when the printer outputs a white line, a faded image or a blurred character.

1 Open the top cover.

2 Lightly wipe the whole LED head with soft tissue paper or a soft cloth.

- Note!** Do not use solvents, such as methyl alcohol or thinners. They damage the LED head.



3 Close the top cover.

Cleaning the feed rollers

Clean the feed rollers when paper jams frequently occur.

When Using Tray 1, Tray 2 (Option) or Tray 3 (Option)

This example shows how to clean the feed rollers for the tray 1. Clean the feed rollers for the tray 2 (option) or the tray 3 by using the same procedure.

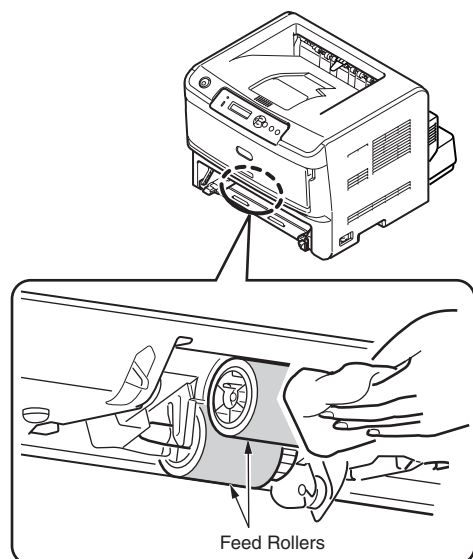
1 Turn off the printer(○).

- Memo!** Refer to Turning Off the Printer (page 20) to turn off the printer.

2 Remove the paper cassette out of the printer, and unload paper from the paper cassette.

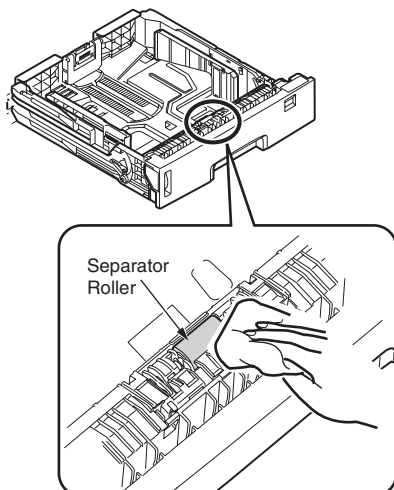
3 Through the opening for paper cassette installation, wipe the (two) feed rollers with a cloth wrung out with water.

- Note!**
- Use nothing except water.
 - The printer requires no lubrication. Do not lubricate the printer.



4 Wipe the separator roller for the paper cassette with a cloth wrung out with water.

- Note!**
- Use nothing except water.
 - The printer requires no lubrication. Do not lubricate the printer.



5 Load paper in the paper cassette, and insert the paper cassette into the printer.

- Note!** When the Metal plate under the paper in the paper cassette is in its rising position, before inserting the paper cassette into the printer, press the Metal plate until it clicks into place. Inserting the paper cassette with the Metal plate in the rising position results in a malfunction of the printer.

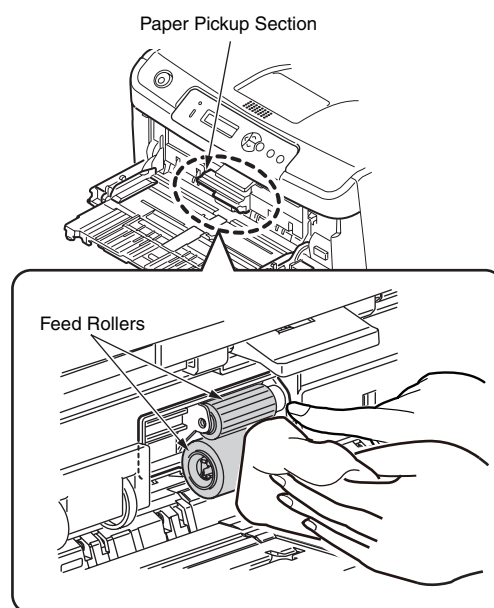
When Using Multi-purpose Tray

1 Turn off the printer (O).

- Memo** Refer to Turning Off the Printer (page 20) to turn off the printer.

2 Open the multi-purpose tray and fold out the paper supporter.

3 Lift the paper pickup section and, with a cloth wrung out with water, wipe the feed rollers.



4 Close the feed roller cover, fold the paper supporter and close the multi-purpose tray.

[Memo]

Chapter 4 Troubleshooting

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Canceling Printing

Canceling printing from the operator panel

- 1 Press the **CANCEL**  button.



Canceling printing from a computer

For those using Windows

- Canceling printing using a printer icon

- 1 Select [Start] - [Devices and Printers] and open the [Devices and Printers] folder.
- 2 Right-click the printer icon.
From the menu, select [See what's printing].

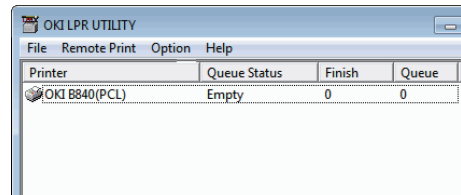


Memo When multiple printer drivers are registered in [See what's printing], select the printer driver to cancel.

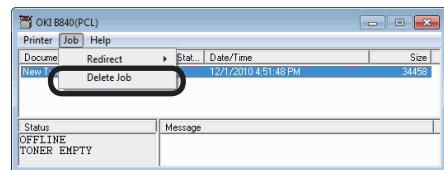
- 3 Click [Document] - [Cancel].

- Canceling printing using the OKI LPR Utility

- 1 Select [Start] - [All Programs] - [Okidata] - [OKI LPR Utility] - [OKI LPR Utility].
- 2 Double-click the printer name.

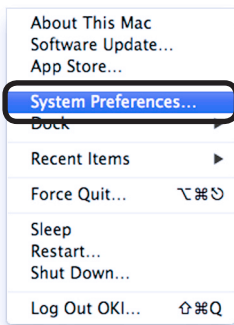


- 3 Click the document name and select [Job] - [Delete Job].



For those using Mac OS X

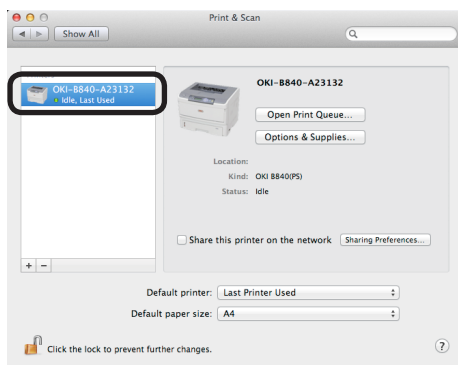
- 1 Select [Apple menu] - [System Preferences].



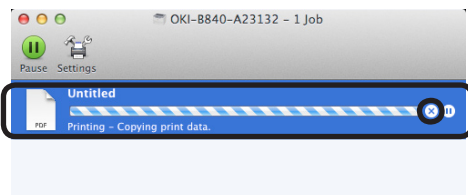
- 2 Click [Print & Scan].



- 3 Double-click the printer name.



- 4 Click on the job you want to delete and click [x].



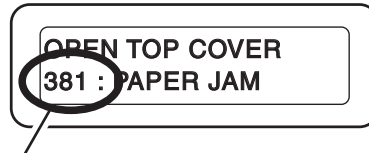
When Paper Jams

WARNING



Never disassemble the printer. Disassembly of the printer may cause serious problems, such as smoke emission, and could result in an electric shock.

When a paper jams in the printer, an error code and either the [PAPER JAM] or [PAPER SIZE ERROR] message appear on the second line of the operator panel.



Error code

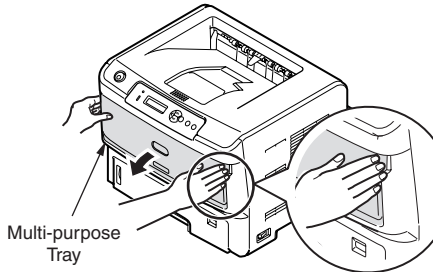
Check the error code displayed on the panel and remove the jammed paper by following the procedure described on the relevant reference page.

If paper jams occur frequently, clean the paper feed rollers and the inside of the printer.

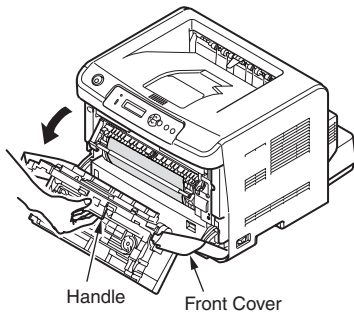
Error code	Operator panel message	Reference page
370	OPEN DUPLEX COVER 370:PAPER JAM	Page 119
371	OPEN DUPLEX COVER 371:PAPER JAM	
372	OPEN FRONT COVER 372:PAPER JAM	Page 115
373	OPEN DUPLEX COVER 373:PAPER JAM	Page 119
380	OPEN FRONT COVER 380:PAPER JAM	Page 115
381	OPEN TOP COVER 381:PAPER JAM	Page 116
382	OPEN TOP COVER 382:PAPER JAM	
383	OPEN TOP COVER 383:PAPER JAM	
385	OPEN TOP COVER 385:PAPER JAM	
389	OPEN TOP COVER 389:PAPER JAM	
390	CHECK MP TRAY 390:PAPER JAM	Page 115
391	OPEN FRONT COVER 391:PAPER JAM	Page 120
392	OPEN FRONT COVER 392:PAPER JAM	
393	OPEN FRONT COVER 393:PAPER JAM	
400	OPEN FRONT COVER 400:PAPER SIZE ERROR	Page 115

Paper jams in the front cover area (error codes:372, 380, 390, 391, 400)

- 1 Open the multi-purpose tray.



- 2 Push the blue handle, located in the center, upward and open the front cover.

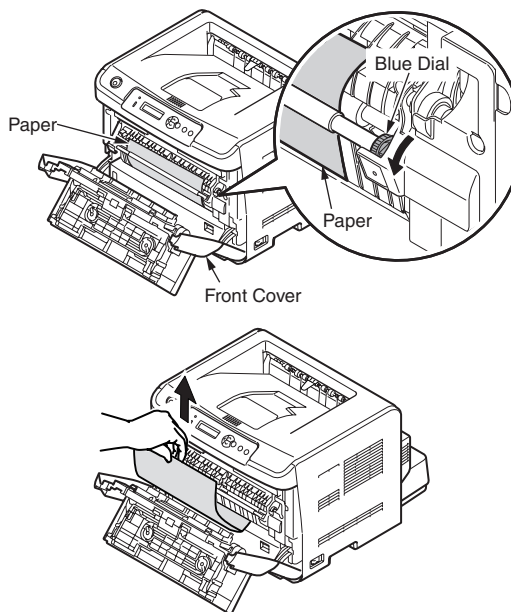


- 3 Remove the jammed paper.

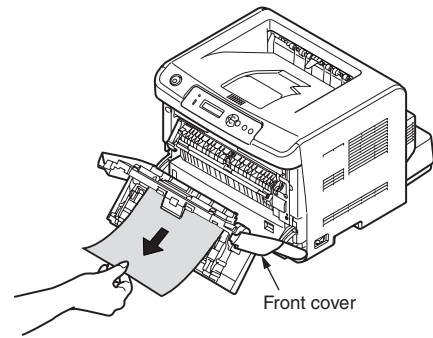
If you can see the top edge of the jammed paper, pull out the jammed paper slowly by turning the blue dial in the direction of the arrow.

In some cases, a jammed paper causing error code 400 may be ejected automatically. In such cases, the error message can be cleared by opening and closing the front cover.

When you can see the top edge of the jammed paper



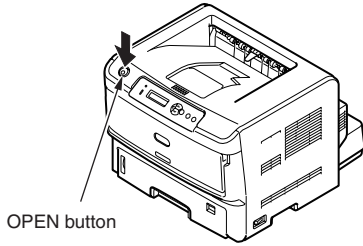
When you can not see the top edge of the jammed paper



- 4 Close the front cover.

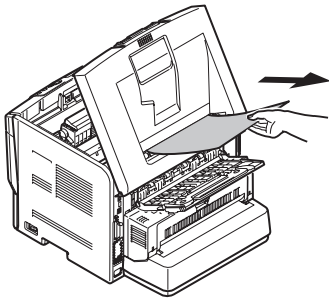
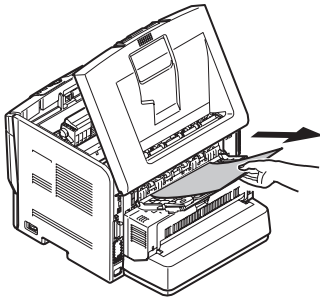
Paper jams at the paper exit (error code: 382)

- 1 Press the OPEN button to open the top cover.



- 2 Slowly pull out the jammed paper from an exit.

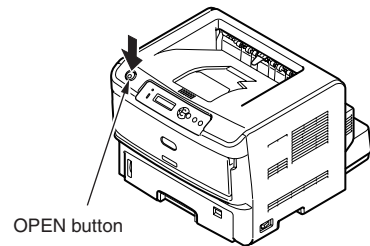
Note! If paper has jammed at the paper exit and you can see it inside the top cover (inside the printer), pull the jammed paper from the inside of the printer. Pulling it toward the back side forcibly may damage the fuser unit.



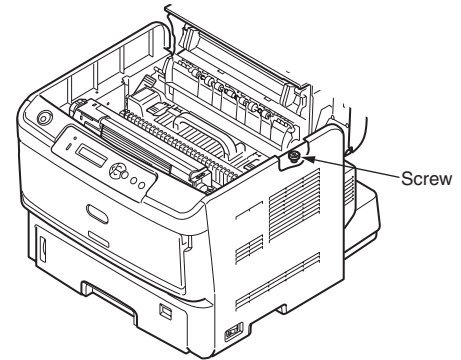
- 3 Close the top cover.

Paper jams inside the printer (error codes: 381, 382, 383, 385 and 389)

- 1 Press the OPEN button to open the top cover.



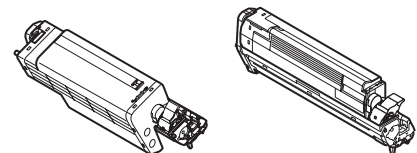
- 2 Touch the screw to remove static electricity from your body.



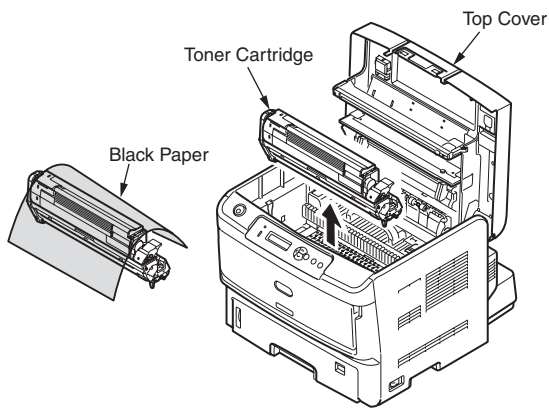
- 3 Take the toner cartridge out of the printer and place it on a flat table.

Note!

- The image drum (green tube) of the toner cartridge is very delicate. Handle it with great care.
- Do not expose the toner cartridge to direct sunlight or very bright light (approximately 1500 lux or more). Even under interior light, do not leave it for more than five minutes.



- 4 Cover the toner cartridge with black paper.

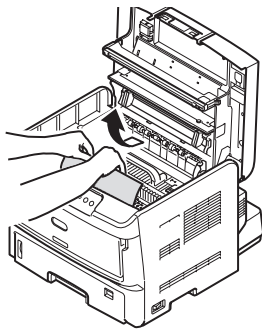


- 5 Pull out the jammed paper slowly.

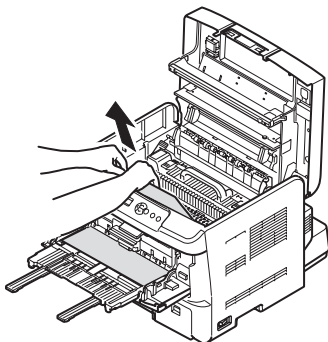
When you can see the top edge of the jammed paper

Slowly pull out the jammed paper in the direction of the arrow.

When printing from any of Tray 1 to Tray 3

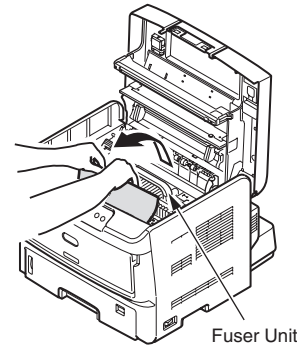
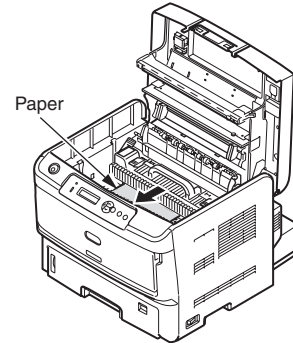


When printing from the multi-purpose tray



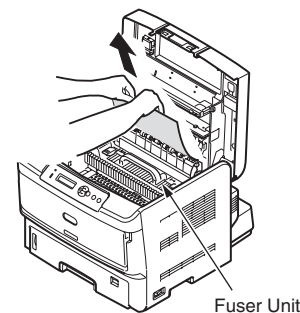
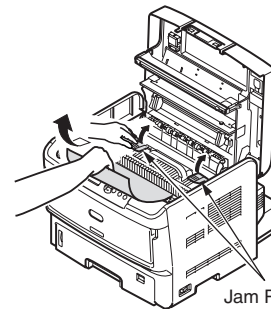
When you can see neither of the top edge nor bottom edge of the jammed paper

Move the jammed paper in the direction of the arrow and then pull it out slowly.



When you can see the bottom edge of the jammed paper

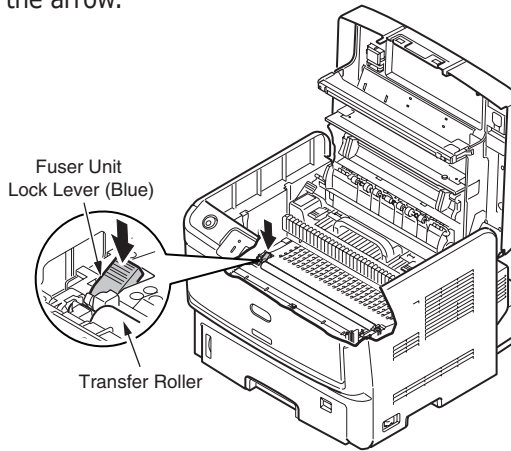
Raise the two blue jam release levers of the fuser unit and slowly pull out the jammed paper.



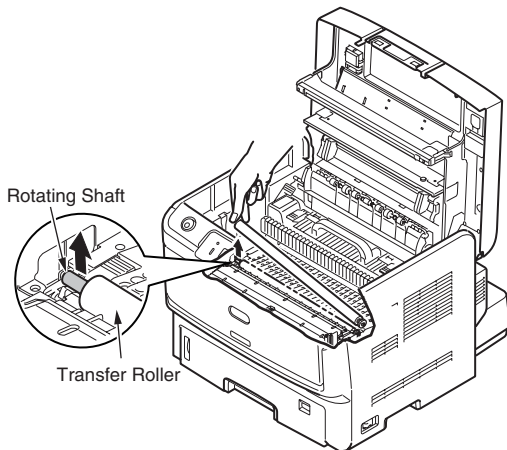
Note! After removing paper jammed in the fuser unit, print Menu Map ('Printing a Menu Map' on page 32) or blank pages repeatedly to use up toner that may remain un-fused in the fuser unit.

When the jammed paper winds around the transfer roller

Push (one blue) lock lever in the direction of the arrow.

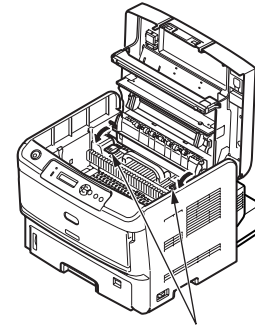


Hold the transfer roller by its left rotating shaft and remove it. When it is irremovable, lift the gear at the right side of the fuser simultaneously.

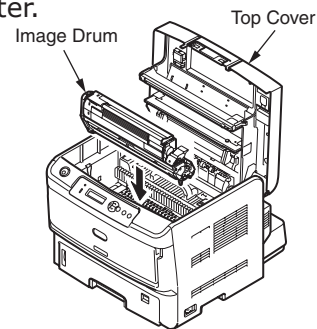


Pull out the jammed paper attached to the transfer roller slowly.

- 6 Pull the (two) blue jam release levers forward.



- 7 Place the image drum back into the printer.



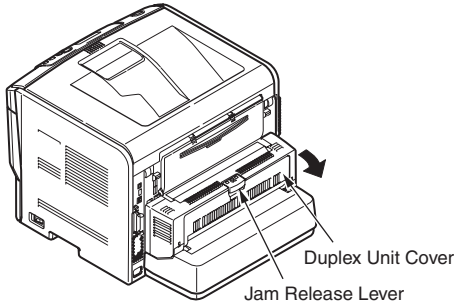
When toner clings to the transparent film under image drum, wipe it out with soft tissue paper.

Note! The image drum (green tube) of the toner cartridge is very delicate. Handle it with great care.

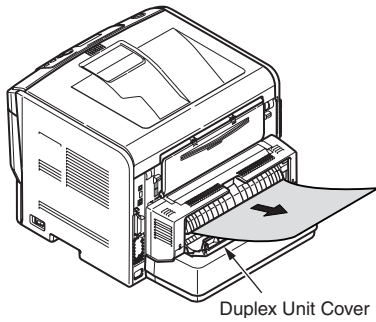
- 8 Close the top cover.

Paper jams in the duplex unit (error codes: 370, 371 and 373)

- 1 Pinch and lift the jam release lever of the duplex unit to open the duplex unit cover.

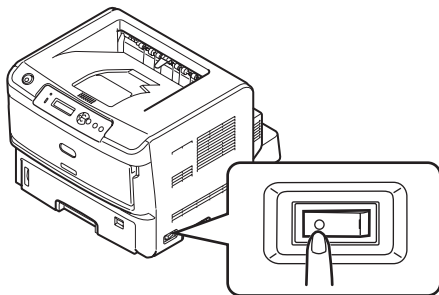


- 2 Pull out the jammed paper.
If you can not see the jammed paper, close the duplex unit cover. Then the jammed paper is ejected automatically.

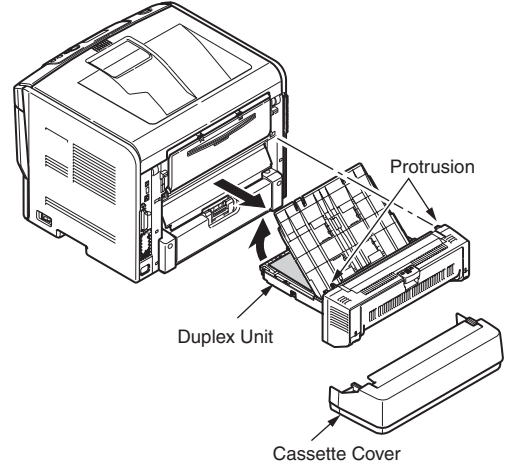


- 3 When the jammed paper cannot be ejected even with the duplex unit cover closed, turn off the printer.

Note! Before removing the duplex unit from the printer, turn off the printer. For how to turn off the printer, see Turning Off the Printer on [page 20](#).

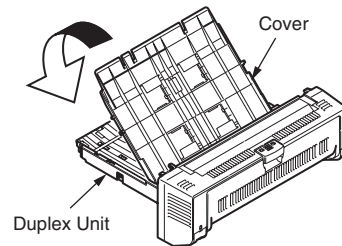


- 4 Keep the duplex unit lifted and pull the jammed paper, check the duplex unit for remaining jammed paper.

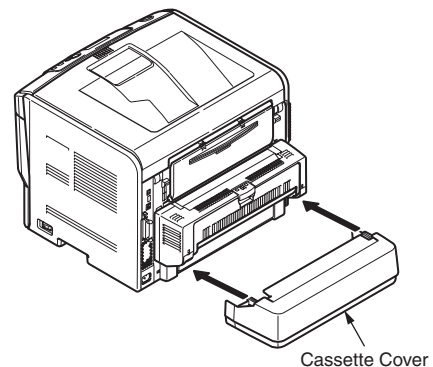
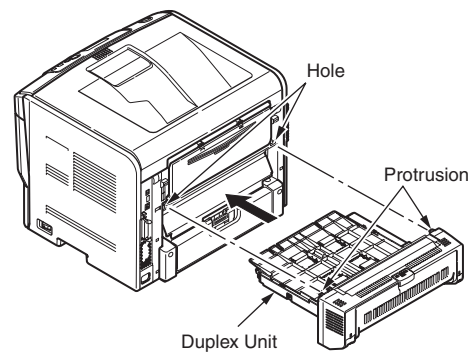


Note! The cassette cover becomes detached when the duplex unit is removed.

- 5 Close the duplex unit cover.

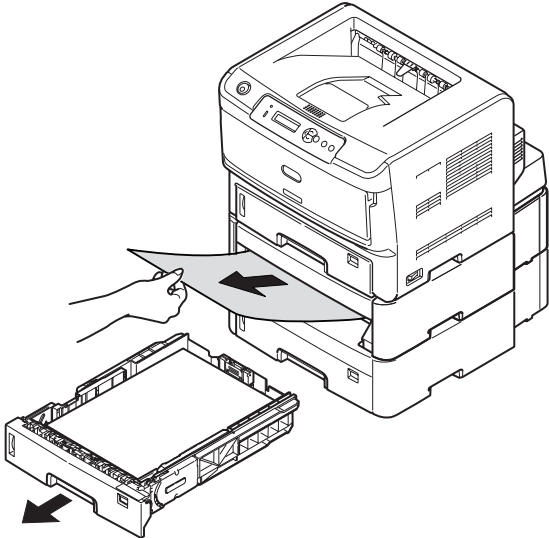


- 6 Place the duplex unit and the cassette cover back into the printer.

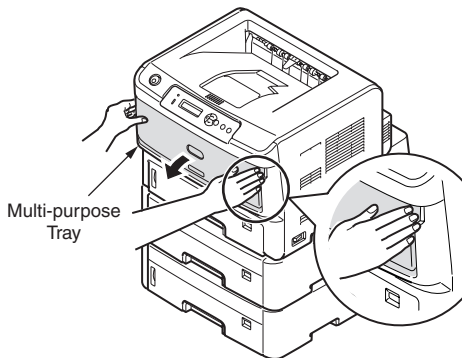


Paper jams in tray2/tray3 (error codes: 392, 393)

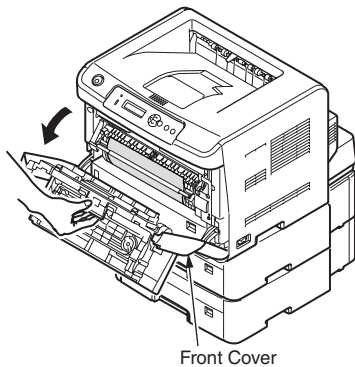
- 1 Pull out the paper cassette of tray2/tray3.
Remove the jammed paper.



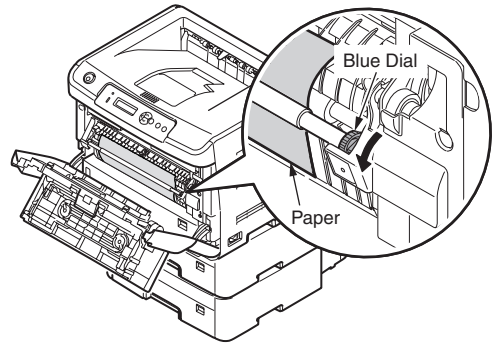
- 2 After removing the jammed paper, open the multi-purpose tray.



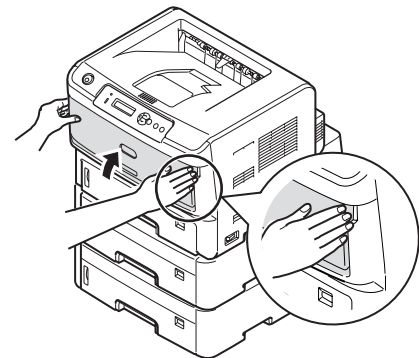
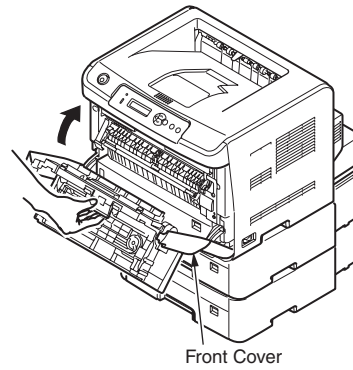
- 3 Push the blue handle, located in the center, upward and open the front cover.



- 4 When a paper jam occurs, turn the blue dial in the direction of the arrow, and slowly pull out the jammed paper.



- 5 Close the front cover and the multi-purpose tray.



Unable to Print

Note! For problems caused by applications, contact the manufacturer of respective applications.

Unable to print	
The OFF (O) side of the power switch is pressed.	➡ Press the ON (I) side of the power switch. (Page 18)
The printer state shows [OFFLINE].	➡ Press ON LINE button to display [ONLINE]. (Page 52)
The power cord is unplugged.	➡ Press the OFF side of the power switch, then plug in the power cord completely. (Page 19)
The power supply is cut off.	➡ Check that the outlet has access to power and electricity is not cut.
An error message is displayed.	➡ See "Displaying Error Messages." (Page 127)
The cable is disconnected.	➡ Connect the cable. (Page 34)
The cable has a problem.	➡ Replace it if you have a spare printer cable.
A wrong output port is selected in the printer driver.	➡ In the Properties of the printer driver, check the output port to which the printer cable is connected.
The printer is in the sleep mode.	➡ Press the ON LINE button to have the printer exit the sleep mode. (Page 52) If the sleep mode is inconvenient for you, select "DESABLE" for the sleep mode in "SLEEP" menu from "USER MENU". (Page 91)
The printer driver is not selected.	➡ Define the printer as [Default].
The printer icon on Windows shows [OFFLINE].	➡ Right click on the printer icon and remove the checkmark from [OFFLINE].
The printer cable doesn't conform to the printer cable standards.	➡ Use a cable that conforms to the printer cable standards. (Page 34)
The printer may have a problem with its printing function.	➡ Check if Menu Map of printer settings can be printed. (Page 32)

Unable to print (network connection)	
A network cable is connected after the printer is turned on.	➡ Turn off the printer, connect the network cable to the printer and turn on the printer. (Page 34)
The hub and the printer are incompatible.	➡ ① See Troubleshooting of User's Manual (Advanced). ② Set [10BASE-T HALF] for the operating mode of a hub. (For details, see a manual that comes with the hub.)
IP address settings differ between the printer and the computer.	➡ Contact the network administrator.
The printer state in the OKI LPR Utility shows [Pause].	➡ Select the printer using the OKI LPR Utility and remove the checkmark from [Pause] in the [Remote Print] menu. (User's Manual - Advanced)

Unable to print (USB connection)	
Other printer drivers that operate via USB have been installed.	➡ Uninstall such printer drivers.
A switching unit, buffer, extension cable, or USB hub is used.	➡ Connect your computer directly to the printer with a USB cable. (Page 35)

Memory runs out.	
Multiple applications are running simultaneously.	➡ Exit the applications that you are not using.

Printing speed is slow.	
Printing process is performed in the computer as well.	☞ Use a computer with faster processing speed.
[High Quality] is selected for [Quality] or [Print Quality] in the printer driver.	☞ Specify [Normal] for [Quality] or [Print Quality] in the printer driver. (User's Manual - Advanced)
The print data is complicated.	☞ Simplify the print data.

The printing process stops.	
The printer cable is broken.	☞ Replace the printer cable.
Time is out in the computer.	☞ Set a longer timeout value.


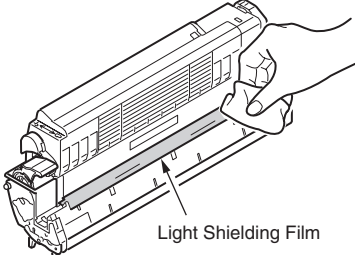
Abnormal sound is detected.	
The printer is tilted.	☞ Place the printer on a stable and flat surface. (Page 13)
There may be paper chips or foreign object in the printer.	☞ Check inside the printer and remove them if any.
The top cover is open.	☞ Close the top cover by pushing the center of the top cover. (Page 14)


Printing does not start immediately. It takes a long time to start printing.	
The printer is adjusting the temperature of the fuser unit.	☞ Please wait for a while.
The printer is preheated after recovering from the power saving mode.	☞ Warm-up time can be shortened by setting [POWER SAVE] to [DISABLE] in the Maintenance menu of the printer.
The printer is preheated after recovering from the sleep mode.	☞ Warm-up time can be shortened by setting [SLEEP] to [DISABLE] in the Maintenance menu of the printer.
The printer is dealing with data transmitted from other ports.	☞ Wait until the printing stops halfway.


Printing is performed slowly, or stops halfway.	
The fuser temperature has arisen due to continuous printing etc., so the printer is adjusting its temperature by performing intermittent printing* and slowing down the printing speed.	☞ Please wait for a while without turning off the power. The printer starts normal printing when the temperature cools down to the level suitable for normal printing.
The printer internal temperature has arisen due to long-time continuous printing in a hot environment, so the printer is adjusting its temperature by performing intermittent printing*, slowing down the printing speed, or suspending printing.	☞ Please wait for a while without turning off the power. The printer starts normal printing when the temperature cools down to the level suitable for normal printing.
The fuser terminal temperature has arisen when narrow paper (230 mm or less) is printed, so the printer is adjusting the fuser temperature by switching to intermittent printing.	☞ Please wait for a while without turning off the power. The printer starts normal printing when the temperature cools down to the level suitable for normal printing.

※ Intermittent printing is a printing method of printing at regular intervals.


Print Quality Problems

Vertical white lines appear on printed pages.		
	The LED head is dirty.	☞ Wipe the LED head with soft tissue paper. (Page 108)
	The toner is low.	☞ Take a shock to toner cartridge. If it cannot clear the problem, replace the toner cartridge. (Page 100)
	Foreign materials are stuck.	☞ Replace the image drum. (Page 104)
	The light shielding film of the image drum is dirty.	☞ Wipe the light shielding film with soft tissue paper.
		 Light Shielding Film


Printed images are faded vertically.		
	The LED head is dirty.	☞ Wipe the LED head with soft tissue paper. (Page 108)
	The toner is low.	☞ Take a shock to toner cartridge. If it cannot clear the problem, replace the toner cartridge. (Page 100)
	The paper is not suitable for the printer.	☞ Use recommended paper. (Page 55)

Printed images are light.		
	The toner cartridge is not installed properly.	☞ Reinstall the toner cartridge properly. (Page 15)
	The toner is low.	☞ Take a shock to toner cartridge. If it cannot clear the problem, replace the toner cartridge. (Page 100)
	The paper is moist.	☞ Use paper stored in proper temperature and humidity conditions. (Page 56)
	The paper is not suitable for the printer.	☞ Use recommended paper. (Page 55)
	The settings of thickness or type of the paper are incorrect.	☞ Set a proper value for [MEDIATYPE] and [MEDIaweIGHT] in [MEDIA MENU], or set one value thicker for [MEDIaweIGHT]. For how to change menu settings, see User Menu. (Page 75)
	The setting of [Printer Darkness] is incorrect.	☞ Select [Medium Dark] or [Dark] for print density in the printer driver. (User's Manual - Advanced)
	Recycled paper is being used.	☞ Set [RECYCLED] for [MEDIATYPE] in [MEDIA MENU]. For how to change menu settings, see User Menu. (Page 75)


Printed images area partially faded. White spots and lines appear in solid printing.

	The paper is too moist or drying.	☞ Use paper stored in proper temperature and humidity conditions. (Page 56)
	The setting of [PAPER BLACK SET] is incorrect.	☞ Change the value of [PAPER BLACK SET] in [MAINTENANCE MENU]. For how to change menu settings, see User Menu of Printer. (Page 75).
	The lower point of Postcard is printed dusts.	☞ It is not printer's matter.


Vertical lines appear.

	The roller in the image drum is damaged or dirty.	☞ Replace the image drum. (Page 104)
	The toner is low.	☞ Take a shock to toner cartridge. If it cannot clear the problem, replace the toner cartridge. (Page 100)


Horizontal lines and spots appear periodically.

	If the interval of lines or sports is about 94 mm, the image drum (the green tube) is damaged or dirty.	☞ Lightly wipe the image drum with soft tissue paper. (Page 104) Replace the image drum if it is damaged. (Page 104)
	If the interval of line or spots is about 40 mm, there may be foreign materials in the image drum.	☞ Open and close the top cover to have the printer repeat initialization.
	If the interval of lines or spots is about 88 mm, the fuser unit is damaged.	☞ Replace the fuser unit. Please contact the related service center.
	The image drum has been exposed to light.	☞ Place the image drum back into the printer and do not use the printer for several hours. If it doesn't solve the problem, replace the image drum. (Page 104)

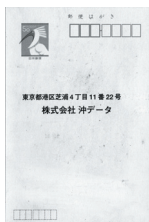
White area of paper is lightly stained.

	Paper is electro-statically charged.	☞ Use paper stored in proper temperature and humidity conditions. (Page 56)
	The paper being used is thick.	☞ Use thinner paper.
	Toner is low.	☞ Replace the toner cartridge. (Page 100)
	The jammed paper winds around the transfer roller.	☞ Refer to "When paper jams" (Page 114), and remove the jammed paper.

The periphery of characters is smudged.

	The LED head is dirty.	☞ Wipe the LED head with soft tissue paper. (Page 108)
	The print density setting is incorrect.	☞ Select [Medium Light] or [Light] for print density from the printer operator panel or in the printer driver. (User's Manual - Advanced)

The whole area of postcards and envelopes is lightly stained when printed. The periphery of characters gets stained when rubbed.



Toner may lightly stain (fogging) to the whole area of postcards and envelopes.

☞ This is not a malfunction of the printer.

Toner comes off when rubbed.

The settings of thickness or type of the paper are incorrect.

☞ Set a proper value for [MEDIATYPE] and [MEDIaweIGHT] in [MEDIA MENU], or set one value thicker for [MEDIaweIGHT]. For how to change menu settings, see User Menu. ([Page 75](#))

Recycled paper is being used.

☞ Set one value thicker for [MEDIaweIGHT] in [MEDIA MENU]. For how to change menu settings, see User Menu. ([Page 75](#))

The lower part of printed pages is faded, or a difference in density between the lower part and the upper part of the pages is noticeable.

Differences in density of pages printed at a high density are sometimes noticeable.

☞ Change the setting of [SMR SETTING] from [MAINTENANCE MENU]. For how to change menu settings, see User Menu. ([Page 75](#))

When characters are printed using a PS printer driver, the font of them is different from the one confirmed on a screen.

The file uses a font that doesn't exist in your system.

☞ On your system, install the font used in the file. Or, replace the font used in the file with another font that exists in your system.

Paper Feed Problems

Paper jams frequently. Multiple sheets of paper are fed at a time. Paper is fed at an angle.	
The printer is tilted.	☞ Place the printer on a stable flat surface. (Page 13)
Paper is too thin or too thick.	☞ Use paper suitable for the printer. (Page 54)
Paper is moist or has static.	☞ Use paper stored in proper temperature and humidity conditions. (Page 56)
Paper is folded, creased, or warped.	☞ Use paper suitable for the printer. Flatten paper if it is warped. (Page 56)
Paper is not aligned.	☞ Align all edges of the paper and load it. (Page 17)
Only one sheet of paper is loaded in a tray.	☞ Load several sheets of paper in a tray. (Page 61)
Sheets of paper were added to those already loaded in a tray.	☞ Remove sheets of paper already loaded, align all edges of the paper with supplemental paper to add, and then load the stack of paper. (Page 17)
Paper is not loaded straight.	☞ Fit the paper guide of the paper cassette to the paper. (Page 61)
Postcards or envelopes are placed in a wrong orientation.	☞ Place them properly. (Page 63)
Sheets of 177 ~ 200g/m ² paper (ream weight 152 ~ 172 kg, envelopes, or label sheets are loaded in a tray.	☞ You cannot print A6, B6, statement paper, sheets of 177~200g/m ² paper (ream weight 152 ~ 172 kg), double postcards, transparencies, envelopes, and label sheets from a paper cassette. Load them in the multi-purpose tray. (Page 57)
Too thin or easily curled paper is used.	☞ <ul style="list-style-type: none"> • Use paper suitable for the printer. • Attempt to change the print side of the paper and print. • Attempt to change the feeding way. If landscape is selected, please attempt to change into portrait. • Set [ON] for [HIGH HUM. MODE] in [CONFIG MENU] in [ADMIN MENU]. (Page 94).

Paper is not fed.	
A wrong setting is selected for [Paper Source] in the printer driver.	☞ Select the paper source in which paper is loaded. (Page 65)

Printing does not resume by removal of jammed paper.	
Printing does not resume simply by removal of jammed paper.	☞ Open and close the top cover.

Paper gets curled or creased.	
Paper is moist or has static.	☞ Use paper stored in proper temperature and humidity conditions. (Page 56)
Paper being used is thin.	☞ Set one value thinner for [MEDIaweIGHT] in [MEDIA MENU]. For how to change menu settings, see User Menu of Printer. (Page 75).
Printing environment is high humidity and high temperature.	☞ Set to [ON] for [HIGH HUM. MODE] in [CONFIG MENU] of [ADMIN MENU]. (Page 94)
Printing to the recycle paper and printing environment is high humidity and high temperature.	☞ Set to [RECYCLED] for [MEDIAType] in [MEDIA MENU].

Paper winds around the roller of the fuser unit.	
The settings of thickness or type of the paper are incorrect.	☞ Set a proper value for [MEDIAType] and [MEDIaweIGHT] in [MEDIA MENU]. For how to change menu settings, see User Menu of Printer . (Page 75)
Thin paper is being used.	☞ Use thicker paper.
There is a close-to-solid fill at the top edge of paper.	☞ Provide a page margin at the top edge of paper.

Paper is not fed from Tray2(Optional) or Tray3(Optional).	
The settings is not completed in printer driver.	☞ After the Tray2 or Tray3 was attached to printer, set the printer driver for Tray2 or Tray3. See detail to Option . (Page 21)

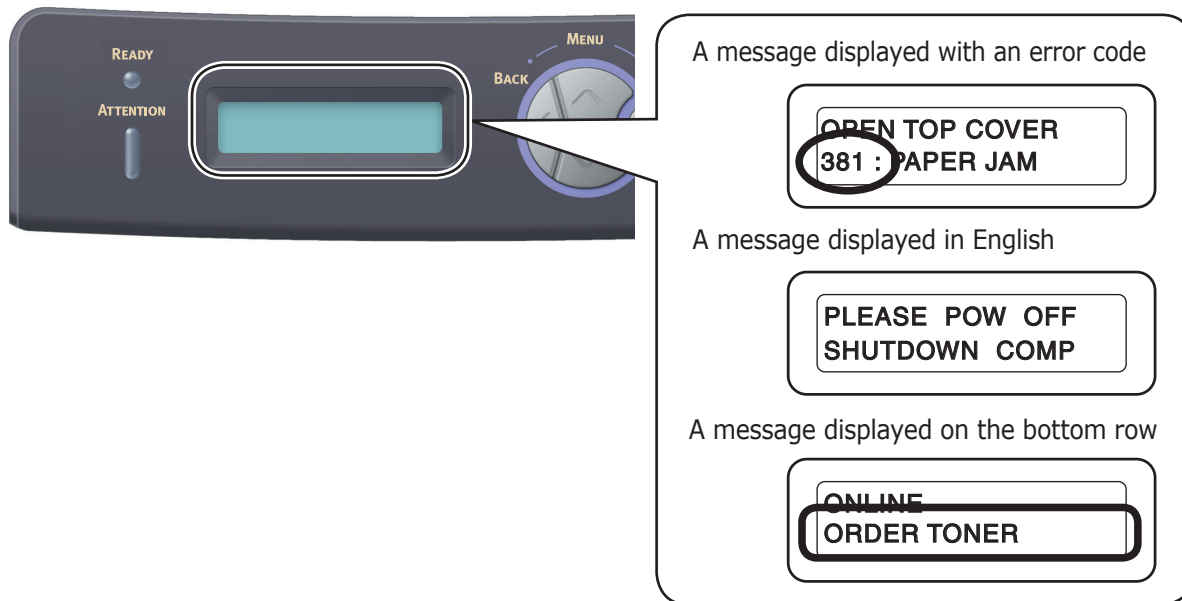
Displaying Error Messages

When a problem has occurred in the printer, a message appears on the operator panel.

When an error code (a three-digit number) is displayed on the panel, refer to the "List of messages with error codes" and take measures appropriate for the error code to clear the error.

When an error message prompts in English, refer to "List of messages displayed in English" (page 130), and take measures appropriate the error message to clear the error.

In any cases other than the above, check each message displayed on the bottom row of the operator panel, refer to the list of messages (page 130) on the bottom row and take measures appropriate the error message to clear the error.



List of messages with error codes

○ : The message is displayed.
 — : The message is not displayed.

Error code	Message	Cause/Remedy	B840dn	B820n
310	COVER OPEN	The top cover is open. Close it.	○	○
311	COVER OPEN	The front cover is open. Close it.	○	○
316	DUPLEX COVER OPEN	The duplex unit cover is open. Close it.	○	○
320	FUSER MISSING	The fuser unit is not properly installed. Reinstall the fuser unit properly.	○	○
347	DRUM LIFE	The image drum has reached the end of its life. Replace it with a new one. (Page 104)	○	○
353	DRUM LIFE	The image drum has reached the end of its life. Replace it with a new one. (Page 104)	○	○
354	FUSER LIFE	The fuser unit has reached the end of its life. Replace it with a new fuser unit. Please contact the related service center.	○	○
360	DUPLEX UNIT OPEN	The duplex unit is removed. Install the duplex unit properly. (Page 119)	○	○
370	PAPER JAM	Paper has jammed. Remove the jammed paper. (Page 114)	○	○
371	PAPER JAM	Paper has jammed. Remove the jammed paper. (Page 114)	○	○
372	PAPER JAM	Paper has jammed. Remove the jammed paper. (Page 114)	○	○
373	PAPER JAM	Paper has jammed. Remove the jammed paper. (Page 114)	○	○

Error code	Message	Cause/Remedy	B840dn	B820n
380	PAPER JAM	Paper has jammed. Remove the jammed paper. (Page 114)	○	○
381	PAPER JAM	Paper has jammed. Remove the jammed paper. (Page 114)	○	○
382	PAPER JAM	Paper has jammed. Remove the jammed paper. (Page 114)	○	○
383	PAPER JAM	Paper has jammed. Remove the jammed paper. (Page 114)	○	○
385	PAPER JAM	Paper has jammed. Remove the jammed paper. (Page 114)	○	○
389	PAPER JAM	Paper has jammed. Remove the jammed paper. (Page 114)	○	○
390	PAPER JAM	Paper has jammed while being fed from the multi-purpose tray. Remove the jammed paper. (Page 114)	○	○
391	PAPER JAM	Paper has jammed while being fed from Tray 1. Remove the jammed paper. (Page 114)	○	○
392	PAPER JAM	Paper has jammed while being fed from Tray 2. Remove the jammed paper. (Page 114)	○	○
393	PAPER JAM	Paper has jammed while being fed from Tray 3. Remove the jammed paper. (Page 114)	○	–
400	PAPER SIZE ERROR	A media size error has occurred. Check the paper for its size.	○	○
413	TONER EMPTY	Replace the toner cartridge with a new one. (Page 100)	○	○
420	MEMORY OVERFLOW	Memory overflow has occurred. Pressing the ON LINE button to resume operation.	○	○
430	TRAY1 MISSING	Tray 1 is pulled out, so the printer cannot print from Tray 1. Install Tray 1 properly.	○	○
431	TRAY2 MISSING	Tray 2 is pulled out, so the printer cannot print from Tray 2. Install Tray 2 properly.	○	○
432	TRAY3 MISSING	Tray 3 is pulled out, so the printer cannot print from Tray 3. Install Tray 3 properly.	○	–
440	TRAY1 OPEN	Tray 1 is pulled out. Install Tray 1 properly.	○	○
441	TRAY2 OPEN	Tray 2 is pulled out. Install Tray 2 properly.	○	–
460	MP MEDIA MISMATCH	The type of paper in the multi-purpose tray differs from that of the print data. Load the indicated type of paper in the multi-purpose tray and press the ON LINE button.	○	○
460	MP SIZE MISMATCH	The size of paper in the multi-purpose tray differs from that of the print data. Load the indicated size of paper in the multi-purpose tray and press the ON LINE button.	○	○
461	TRAY1 MEDIA MISMATCH	The type of paper in Tray 1 differs from that of the print data. Load the indicated type of paper in Tray 1 and press the ON LINE button.	○	○
461	TRAY1 SIZE MISMATCH	The size of paper in Tray 1 differs from that of the print data. Load the indicated size of paper in Tray 1 and press the ON LINE button.	○	○
462	TRAY2 MEDIA MISMATCH	The type of paper in Tray 2 differs from that of the print data. Load the indicated type of paper in Tray 2 and press the ON LINE button.	○	○
462	TRAY2 SIZE MISMATCH	The size of paper in Tray 2 differs from that of the print data. Load the indicated size of paper in Tray 2 and press the ON LINE button.	○	○
463	TRAY3 MEDIA MISMATCH	The type of paper in Tray 3 differs from that of the print data. Load the indicated type of paper in Tray 3 and press the ON LINE button.	○	–

Error code	Message	Cause/Remedy	B840dn	B820n
463	TRAY3 SIZE MISMATCH	The size of paper in Tray 3 differs from that of the print data. Load the indicated size of paper in Tray 3 and press the ON LINE button.	○	–
480	FACE DOWN STACKER	Remove the paper from the face-down stacker.	○	○
490	MP TRAY EMPTY	The multi-purpose tray has run out of paper. Load paper of the indicated characteristics in the multi-purpose tray and press the ON LINE button.	○	○
491	TRAY1 EMPTY	Tray 1 is empty. Load paper of the indicated characteristics in Tray 1.	○	○
492	TRAY2 EMPTY	Tray 2 is empty. Load paper of the indicated characteristics in Tray 2.	○	○
493	TRAY3 EMPTY	Tray 3 is empty. Load paper of the indicated characteristics in Tray 3.	○	–
509	PRINTER LIFE	The fuser unit has reached the end of its life. (Page 135)	○	○
543	TONER SENSOR ERROR	Image drum or toner cartridge is installed incorrectly or uninstalled. Or a toner sensor error occurs. Make sure image drum and toner cartridge are installed and properly installed. Check the lock level (knob) position of toner cartridge. (For more information, please refer to Page 102). If error cannot be cleared, contact the Customer Service Center.	○	○
547	IMPROPER LOCK LEVER POSITION	The toner cartridge lever is in a wrong position. Check the toner cartridge lever (rotation) position. (Page 102)	○	○
553	NON GENUINE TONER	The toner cartridge is not a genuine OKI product. Install a proper toner cartridge.	○	○
557	TONER REGIONAL MISMATCH	The toner cartridge is not a genuine OKI product. Install a proper toner cartridge.	○	○
563	DRUM LIFE	The image drum has reached the end of its life. Replace it with a new one. (Page 104)	○	○
613	TONER MISSING	No toner cartridge is installed. Install one. (Page 102)	○	○
617	INCOMPATIBLE TONER	The toner cartridge is not a genuine OKI product. Install a proper toner cartridge.	○	○
623	INCOMPATIBLE TONER	The toner cartridge is not a genuine OKI product. Install a proper toner cartridge.	○	○

List of messages displayed in English

○ : The message is displayed.
 — : The message is not displayed.

Message	Cause/Remedy	B840dn	B820n
PLEASE POW OFF SHUTDOWN COMP	The printer's shutdown processing has completed. Press the OFF (O) side of the power switch. (Page 20)	○	○
POWER OFF/ON nnn: ERROR	An error has occurred. Turn off / on the printer. If the printer doesn't resume, contact the customer support center.	○	○
SERVICE CALL nnn: ERROR	An error has occurred. Turn off / on the printer. If the printer doesn't resume, contact the customer support center.	○	○

List of messages on the bottom row

○ : The message is displayed.
 — : The message is not displayed

Message	Cause/Remedy	B840dn	B820n
DRUM LIFE	The image drum has reached the end of its life. Replace it with a new one. (Page 104)	○	○
TONER EMPTY	No toner cartridge is installed. Install a toner cartridge. (Page 102)	○	○
TONER REGIONAL MISMATCH	The toner cartridge is not a genuine OKI product. Install a proper toner cartridge.	○	○
NON GENUINE TONER	The toner cartridge is not a genuine OKI product. Install a proper toner cartridge.	○	○
ORDER TONER	The life of the toner cartridge is ending. Prepare a new replacement toner cartridge. (Page 100)	○	○
MP TRAY EMPTY	The multi-purpose tray has run out of paper. Load paper in it. (Page 62)	○	○
NON OEM TONER DETECTED	The toner cartridge is not a genuine OKI product. Install a proper toner cartridge.	○	○
PS3 EMUL ERROR	A Postscript error has occurred. Check the print data.	○	—
USB HUB UNSUPPORTED	The USB hub being connected is not supported by the printer.	○	○
DELETING ENCRYPTED JOB	Deletion requests for deleting encrypted print data and stored print data file are kept.	○	○
PRINT RESTRICTED. JOB REJECTED	Cancellation of printing for not being authorized is notified. Pressing the ON LINE button to clear this message.	○	○
ERASED DATA FULL	The memory for files waiting to be deleted has been used up.	○	○
UNSUPPORTED USB DEVICE DETECTED	The USB device being connected is not supported by the printer.	○	○
COLLATE FAIL	The memory is full. Pressing the ON LINE button to clear this message.	○	○
FUSER MISSING	The fuser unit has reached the end of its life. Replace it with a new fuser unit. Please contact the related service center.	○	○
TONER SENSOR ERROR	A problem has occurred with the toner sensor, or the toner cartridge is not installed properly. Check to make sure if the toner cartridge is installed properly. (Page 102)	○	○
TRAY1 EMPTY	Tray 1 has run out of paper. Load paper in it. (Page 61)	○	○
TRAY2 EMPTY	Tray 2 has run out of paper. Load paper in it. (Page 61)	○	○
TRAY3 EMPTY	Tray 3 has run out of paper. Load paper in it. (Page 61)	○	—
EXPIRED SECURE JOB	The storage period for the secure print job has expired, so the target print data has been deleted automatically.	○	○

Message	Cause/Remedy	B840dn	B820n
FILE ERASING	A secret file is being deleted.	○	○
FILE SYSTEM USE FAILED	A file system error has occurred. The set of letters "nn" is a number and represents error details. Pressing the ON LINE button to clear this message.	○	○
FILE SYSTEM WRITE PROTECTED	You have attempted to write on a read-only file on a file system in an SD card or flash memory.	○	○
FILE SYSTEM FULL	A file system in an SD card or flash memory has run out of free space. Delete data in the SD memory or flash memory. (User's Manual - Advanced)	○	○
INVALID SECURE DATA	The secure print job has been deleted because of data corruption of the job detected by a completeness check. Pressing the ONLINE button to clear this message.	○	○
INVALID DATA	The printer has received invalid data. Pressing the ONLINE button to clear this message.	○	○
LOG BUFFER FULL. JOB REJECTED	It notifies you of the cancellation of the print job because the free space in the log buffer memory was used up. Pressing the ONLINE button to clear this message.	○	○

Restrictions on Windows

Restrictions on Windows XP Service Pack 2 and Windows Server 2003 Service Pack 1

The Windows firewall functionality is enhanced on Windows XP Service Pack 2 and Windows Server 2003 Service Pack 1 with security enhanced functions. Accordingly, the following restrictions may apply to your printer drivers and utilities.

Item	Restrictions that may apply	Details and bypasses
Printer drivers	Printing is not available when a PC network is shared.	On the server, open [Windows Firewall] - [EXCEPTION] and select the "Common of File and Printer" checkbox.
Printer driver installer	It is impossible to perform a search for printers.	When the "non-approval for exception" checkbox is selected in firewall settings, it is impossible to perform a search for printers in a segment beyond a router. Printers connected in the same segment are free of this problem. Even if it is impossible to perform a search for printers, you can set up a printer by selecting "IP Address" in the "TCP/IP connection" window and typing its IP address.
OKI LPR Utility	It is impossible to perform a search for printers.	When the "non-approval for exception" checkbox is selected in firewall settings, it is impossible to perform a search for printers in a segment beyond a router. Printers connected in the same segment are free of this problem. Even if it is impossible to perform a search for printers, you can set up a printer by typing its IP address in the "add printer" or "resetting of printer" in window.
Configuration Tool	It is impossible to perform a search for printers.	When the "non-approval for exception" checkbox is selected in firewall settings, it is impossible to perform a search for printers in a segment beyond a router. Printers connected in the same segment are free of this problem. Even if it is impossible to perform a search for printers, you can set up a printer by selecting "Tools" "Setting of Environment" and typing its IP address.
Web browser	Popup windows are blocked.	On Internet Explorer, open [Pop-up Blocker Settings] from the [Tools] menu and type the printer's IP address under [Address of Web site to allow] to add.

※ For further information, visit the OKI Data web site (<http://www.okiprintingsolutions.com>).

Restrictions on Windows 7/Windows Vista/Windows Server 2008 R2/Windows Server 2008

Applicable utilities	Restrictions that may apply	Details and bypasses
Printer driver (PS) OKI Network Extension	Help is not displayed.	Utilities are not capable of displaying Help messages.
Printer drivers Network Extension NIC setup tool	The "User Account Control" dialog appears.	When you launch an installer or utility, the "User Account Control" dialog may appear. It is necessary to run an installer or utility as an administrator, so click [Continue]. If you click [Cancel], the installer or utility does not start.
OKI Network Extension	The "Assist for compatible of program" dialog appears.	If the "Assist for compatible of program" dialog appears after an installation is completed (or canceled), be sure to click "Install complete".

※ For further information, visit the OKI Data web site (<http://www.okiprintingsolutions.com>).

For details of the utilities, please refer to User's Manual-Advanced.

Appendix

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List of Consumables and Options

Purchase the following consumables and options from the nearest distributors.

Product Name	Life Expectancy	Order No.
Toner cartridge	6,000 sheets	44707701
Toner cartridge (Large)	15,000 sheets	44708001
Image drum	30,000 sheets	44707401
Tray2 ※1		44676104
Duplex Unit ※2		44676204
SD card (16GB)		44301003
Additional memory (256MB)		44302203
Additional memory (512MB)		44302207

※1 B840dn can be installed with two additional tray units, using them as the its second/third trays.

※2 B840dn has a duplex unit installed as standard.

-  • For the storage method of paper, see "How to Keep Paper" ([Page 56](#)).
- Note the following concerning the toner cartridge.
 - Use genuine Oki Data original consumables to ensure optimum performance of the product.
When using a non genuine Oki Data original consumable, the product may not deliver its optimum performance, and print quality may decline.
Warranty doesn't apply if the troubles arise with use of a non genuine Oki Data original consumable. You need to pay for repairs even during the warranty period. (Although not all non genuine Oki Data original consumables cause a trouble when used for the product.)
 - The toner cartridge lowers its print quality 1 year or more after they are unpacked.
 - Do not unpack consumables (toner cartridge, image drum) before using them.
 - Keep consumables under an environment with temperature 0 to 35°C and humidity 20 to 85%RH, and avoid direct sunlight.
 - Do not keep consumables under an environment with high or sharply changed temperature or humidity .
 - Keep consumables away from babies and children.
- Consumables (image drum, toner cartridge) are not guaranteed.

Specifications

Key Specifications

B840dn-N21301B

Printing method	Dry electrophotographic recording method with LED (Light-emitting diode)
Resolution	1200×1200/600×600 dot/inch
Printing color	Black
CPU	PowerPC
RAM capacity	128MB(Max 640MB)
Supported OS	Windows 8.1/Windows Server 2012 R2/Windows 8/Windows Server 2012/Windows 7/Windows Server 2008 R2/Windows Vista/Windows Server 2008/Windows XP/Windows Server 2003, Mac OS X 10.6.8 ~ 10.9 Refer to the product requirements.
Printable language	PostScript3 Emulation, PCL6 Emulation, IBM PPR, EPSON FX (Dot printer emulation)
Resident font	PS3 Emulation: European 136 styles PCL6: European 91 styles
Interface	100BASE-TX/ 10BASE-T,USB (High Speed USB is supported),IEEE Std 1284-1994 Compliant parallel
Print speed * ¹	Max 40 pages/min (excluding A4 Landscape, copy mode, post cards, envelopes)
Paper size * ²	A3, A4, A5, A6, B4, B5, B6, Letter, Legal 13 inch, Legal 13.5 inch, Legal 14 inch, Tabloid, Executive, Statement, Custom, Envelope (7 types), 8K (3 types), 16K (3 types)
Paper type * ²	Standard Basis weight 60 ~ 200g/m ² (Ream weight 52 ~ 172kg), Postcard, Envelope, Label and Transparency sheet.
Feeding method * ²	Automatic feed from the paper cassette, Automatic feed from the multi purpose tray, Automatic feed from the second/ third tray unit (option).
Feed capacity	Paper cassette :Plain paper 530 sheets/ Basis weight 80g/m ² (Ream weight 70kg) Total thickness 53mm or less Second/Third tray unit (option) :Plain paper 530 sheets/ Basis weight 80g/m ² (Ream weight 70kg) Total thickness 53mm or less Multi-purpose tray :Plain paper 100 sheets/ Basis weight 80g/m ² (Ream weight 70kg) Total thickness 10 mm or less 25 Postcards Total thickness 5mm or less, 10 envelopes/ 85g/m ² Total thickness 5mm or less
Ejection method * ²	Face-up(eject to the front) / Face-down (eject to the back)
Ejection volume	Face up : approx.100 sheets/ Basis weight 80g/m ² (Ream weight 70kg) Face down: approx.250 sheets/ Basis weight 80g/m ² (Ream weight 70kg)
Print coverage	The area other than a margin of 6.35mm or above from the edges (excluding special paper types such as envelopes)
Printing precision * ³	Print start position accuracy ±2mm skewing ±1mm/100mm Graphic extension ±1mm/100mm(Basis weight 80g/m ² (Ream weight 70kg))
Power	220VAC-240VAC, 50/60Hz±2%
Power consumption	Operating time :Max 1200W, Average 550W (at 25°C) Standby :Average 75W (at 25°C) Power save mode :(without options) 15W or less (with options) 17W or less Sleep mode :Approx. 1W
Use condition	In operating mode:10 ~ 32 °C /20% ~ 80%RH(Max. wet bulb temp:25°C , Maximum psychrometric difference 2°C) In stop: 0 ~ 43°C /10% ~ 90%RH (Max. wet bulb temp:26.8°C , Maximum psychrometric difference 2°C)
Print condition	30 ~ 78%RH at 10°C , 30 ~ 54%RH at 32°C 10 ~ 32°C at 30%RH, 18 ~ 27°C at 80%RH
Standard use conditions	Average power-on time: 600H/month, Average prints: 20,000 pages/month
Consumables	Toner cartridge, Toner cartridge (large), Image drum
Machine life duration	5 years or 1,200,000 sheets (A4)
Weight * ⁴	Approx. 28kg

*1: Print speed varies depending on paper size, type, weight, feeding method and environment.

*2: A feeding method and ejection method have some limitations depending on paper size, type and weight.

*3: The case of the duplex print is not included.

*4: The printer and consumables are included. Options or media weight is not included.

B820n-N21300B

Printing method	Dry electrophotographic recording method with LED (Light-emitting diode)
Resolution	600×600 / 600×1200 / 600×2400 dot/inch
Printing color	Black
CPU	PowerPC
RAM capacity	128MB(Max. 640MB)
Supported OS	Windows 8.1/Windows Server 2012 R2/Windows 8/Windows Server 2012/Windows 7/Windows Server 2008 R2/Windows Vista/Windows Server 2008/Windows XP/Windows Server 2003, Mac OS X 10.6.8 ~ 10.9 Refer to the product requirements.
Printable language	PCL6 emulation, IBM PPR, EPSON FX (Dot printer emulation)
Resident font	PCL6:European 91 styles
Interface	100BASE-TX/ 10BASE-T, USB (High Speed USB is supported), IEEE Std 1284-1994 Standard interface
Print speed * ¹	Max. 35 pages/min. (excluding A4/copy mode, post cards, envelopes)
Paper size * ²	A3, A4, A5, A6, B4, B5, B6, Letter, Legal 13 inch, Legal 13.5 inch, Legal 14 inch, Tabloid, Executive, Statement, Custom, Envelope (7 types), 8K (3 types), 16K (3 types)
Paper type * ²	Standard Basis weight 60 ~ 200g/m ² (Ream weight 52 ~ 172kg), postcard, envelope, label and transparency sheet.
Feeding method * ²	Automatic feed from the paper cassette, Automatic feed from the multi-purpose tray, Automatic feed from the second tray unit (option).
Feed capacity	Paper cassette :Plain paper 530 sheets weight 80g/m ² (Ream weight 70kg) Total thickness 53mm or less Second tray unit (option):Plain paper 530 sheets weight 80g/m ² (Ream weight 70kg) Total thickness 53mm or less Multi-purpose feeder :Plain paper 100 sheets weight 80g/m ² (Ream weight 70kg) Total thickness 10mm or less 25 Postcards Total thickness 5mm or less, 10 envelopes/weight 85g/m ² Total thickness 5mm or less
Ejection method * ²	Face-up(eject to the front) / Face-down (eject to the back)
Ejection volume	Face up : approx.100 sheets weight 80g/m ² (Ream weight 70kg) Face down: approx.250 sheets weight 80g/m ² (Ream weight 70kg)
Print coverage	The area other than a margin of 6.35mm or above from the edges (excluding special paper types such as envelopes)
Printing precision * ³	Print start position accuracy ±2mm skewing ±1mm/100mm Graphic extension ±1mm/100mm(weight 80g/m ² (Ream weight 70kg))
Power	220VAC-240VAC, 50/60Hz±2%
Power consumption	Operating time :Max. 1200W, Average 550W (at 25°C) Standby :Average 75W (at 25°C) Power save mode :(without options) 15W or less (with options) 17W or less Sleep mode:Approx. 1W
Use condition	In operating mode:10 ~ 32 °C /20% ~ 80%RH (Max. wet bulb temp:25°C , Maximum psychrometric difference 2°C) In stop:0 ~ 43 °C /10% ~ 90%RH (Max. wet bulb temp:26.8°C , Maximum psychrometric difference 2°C)
Print condition	30 ~ 78%RH at 10°C , 30 ~ 54%RH at 32°C 10 ~ 32°C at 30%RH, 18 ~ 27°C at 80%RH
Standard use conditions	Average power-on time: 600H/month, Average prints: 20,000 pages/month
Consumables	Toner cartridge, Toner cartridge (large), Image drum
Machine life duration	5 years or 1,200,000 sheets (A4)
Weight * ⁴	Approx. 28kg

*1: Print speed varies depending on paper size, weight, feeding method and environment.

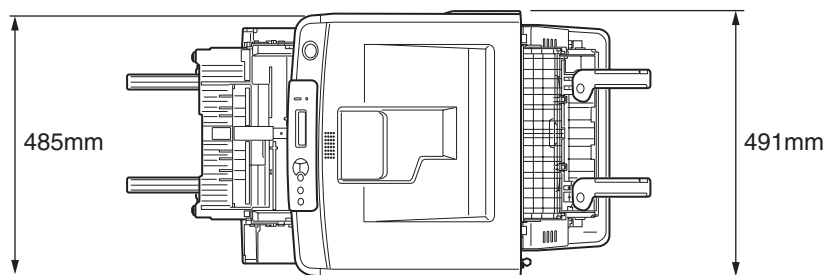
*2: A feeding method and ejection method have some limitations depending on paper size, type and weight.

*3: The case of the duplex print is not included.

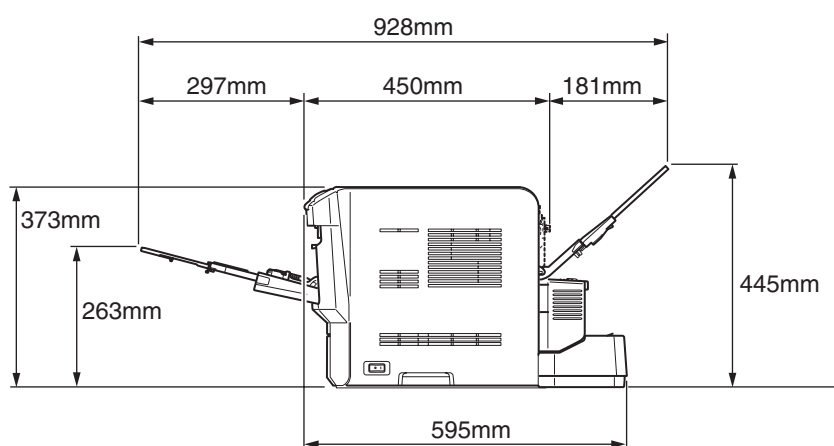
*4: The printer and consumables are included. Options or media weight is not included.

Outline Size (Approximate Value)

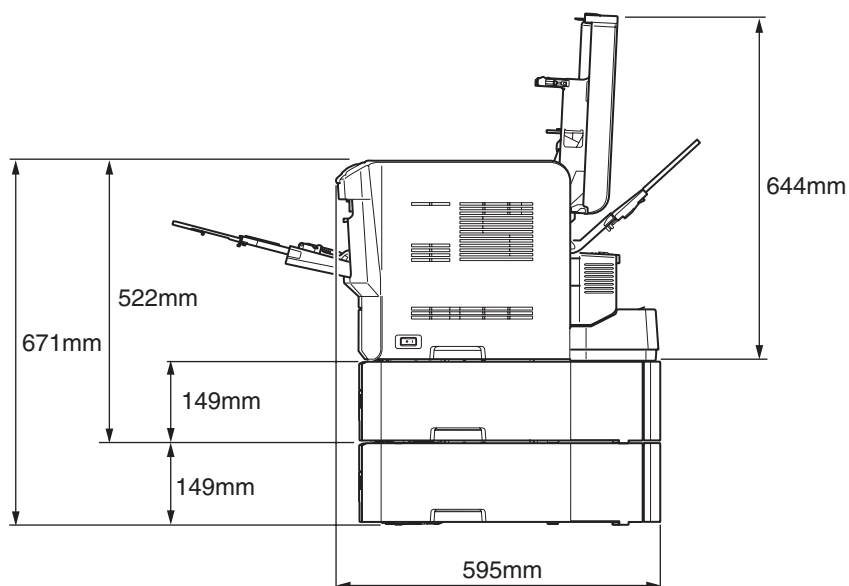
Top View



Side View



When installed with the second/third tray unit (optional)



The Second/Third Tray Unit (Optional)

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[Memo]

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