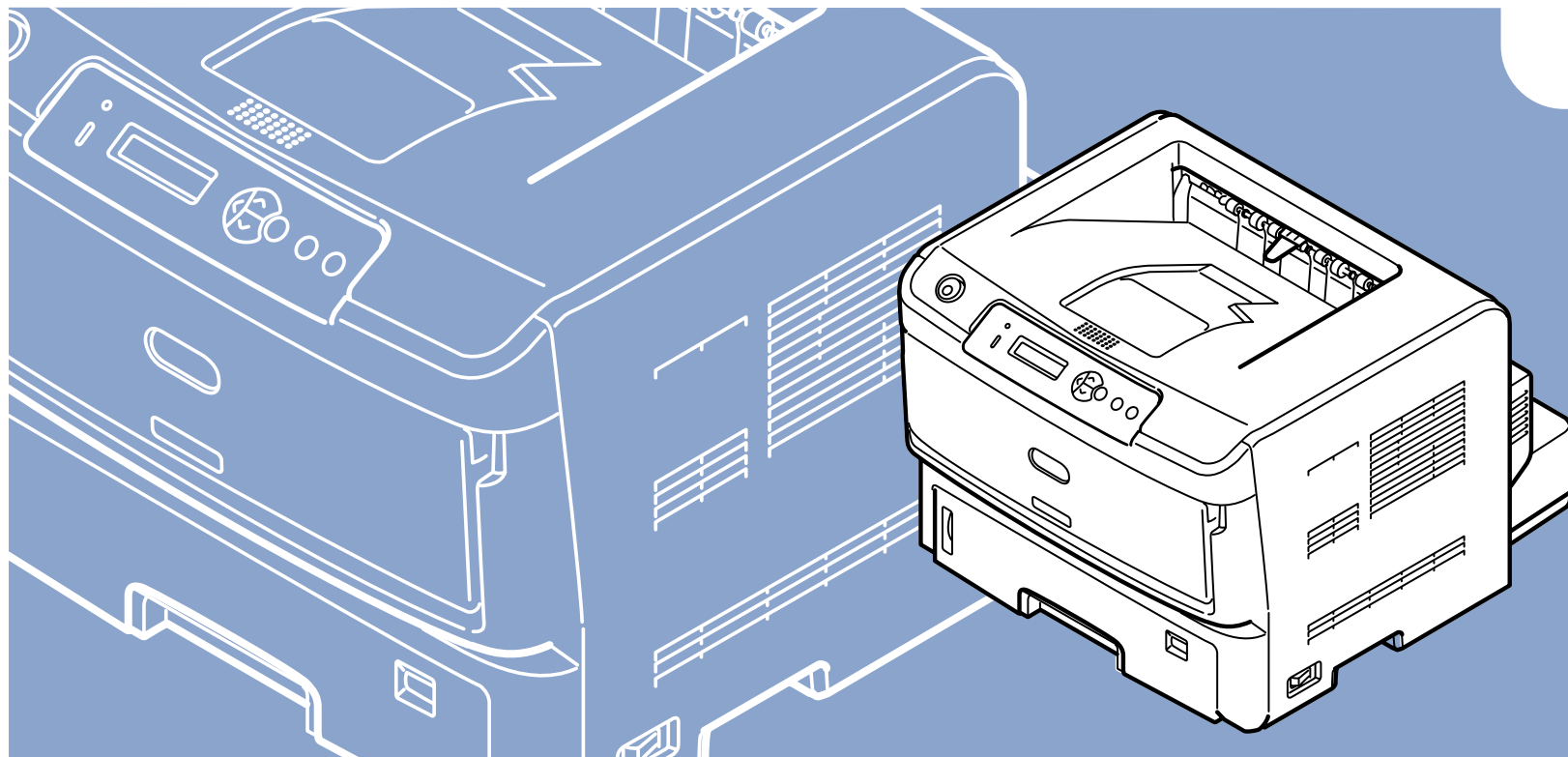


**OKI**



**B820n  
B840dn** **User's Manual**

**Advanced**

This manual supports the following models:

**B820n/B840dn**

# How to read this manual

## Symbols

The following symbols are used in this manual.

- B840dn → B840
- B820n → B820
- Multipurpose 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 (64bit version)\*
- Microsoft® Windows Vista™ 64 - bit Edition operating system → Windows Vista (64bit 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 (64bit version)\*
- Microsoft® Windows® XP x64 Edition operating system → Windows XP (x64 version)\*
- Microsoft® Windows Server™ 2003 x64 Edition operating system → Windows Server 2003 (x64 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\*
- Windows®, general 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.

## Symbol



- 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) 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 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	✘	✘
USB	5	✘	✓
Parallel	1.8	✘	✓
LAN	15	✘	✘

## 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.

## ■ Regarding trademarks

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## ■ About this manual

1. The reprinting of part or all of this manual without permission is strictly prohibited.
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,  
4-11-22 Shibaura, Minato-ku,  
Tokyo 108-8551,  
Japan

## ENVIRONMENTAL INFORMATION





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(MEMO)

# Chapter 1 Printing with various kinds of paper

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**Note!**

- In this chapter, [WordPad] is used as a an example for Windows and [Text Editor] for Mac OS X.
- The screen or procedure may vary depending on the application you use.
- Please refer to Online Help for detailed explanations of each setting item for printer drivers and utilities.
- The details may differ from those in this manual if you upgrade the version of printer driver or utility you are using.

# Print on envelope

## Publication of Functions

Print on envelopes from the multipurpose tray (MP Tray).

**Note!**

- The printing speed will be slow.
- If printing and treating the multipurpose tray as a manual feed, and if the time until setting the paper exceeds the manual time out in the system configuration menu (the default value is set at 1 minute), the print data will be automatically destroyed.

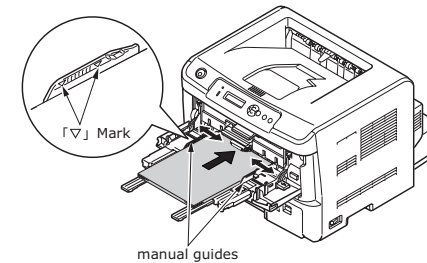
## Operating environment

The model you are using	B840dn				B820n	
The environment you are using the machine in	Windows		Mac OS X		Windows	Mac OS X
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	○	○	○	○

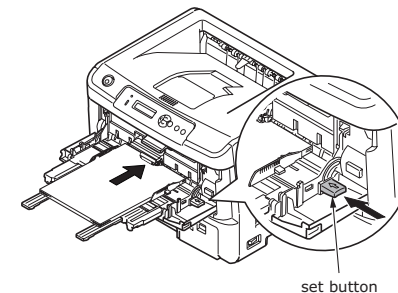
## Method of operation

### 1 Set the paper.

- ① Set the paper in the multipurpose tray and align it with the left and right manual guides.



- ② Press the set button.



## Paper set direction

Com-9, Com-10,  
DL, C4, C5, C6,  
Monarch

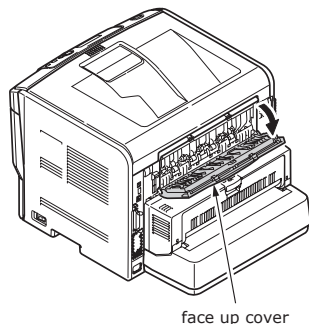


## 2 Open the face up stacker.

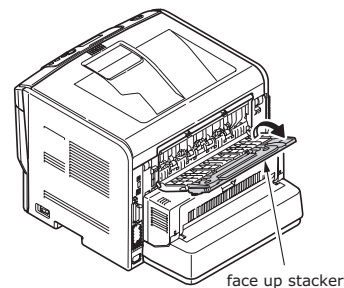
The paper will be output on the face up stacker, stacked in the reverse order in which it was printed.

- Note!** • Do not open the face up stacker during printing. This may result in a paper jam.

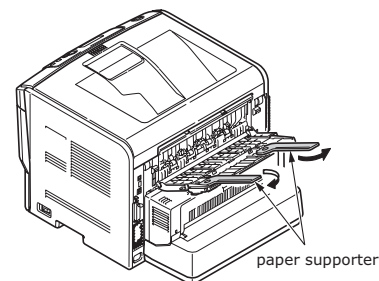
### ① Open the rear printer side of the face up cover.



### ② Open the face up stacker.




















### ③ Open the paper supporter.



## 3 Set the paper size and paper thickness.

Here the procedure for setting COM-9 envelope is explained.

- ① Press the  or the  button several times. The [MEDIA MENU] will be displayed, and press the  **ENTER** button.
- ② Press the  or the  button several times. [MPT PAPER-SIZE/A3] will be displayed. Press the  **ENTER** button.

- ③ Press the  or the  button, and [COM-9 ENVELOPE] will be displayed.
- ④ Press the  **ENTER** button, and a [\*] will appear on the right side of the set value.
- ⑤ Press the  **Back** button, then press the  or the  button several times. [MPT MEDIAWEIGHT/M LIGHT] will be displayed. Press the  **ENTER** button.
- ⑥ Press the  or the  button, and [HEAVY] will be displayed.
- ⑦ Press the  **ENTER** button, and a [\*] will appear on the right side of the set value.
- ⑧ Press the  **Online** button, and [ONLINE] will be displayed.

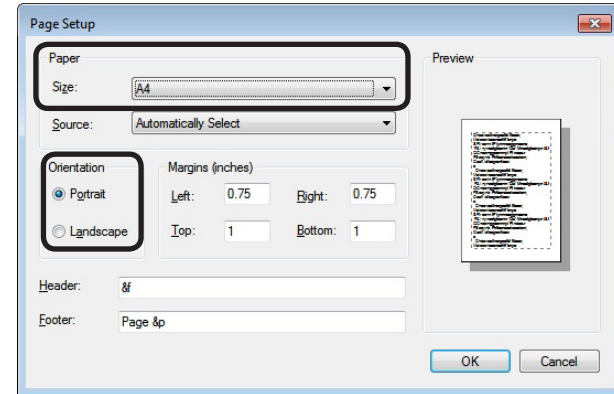
4 Open the file you want to print.

5 Select paper [Size] and [Source], then print.

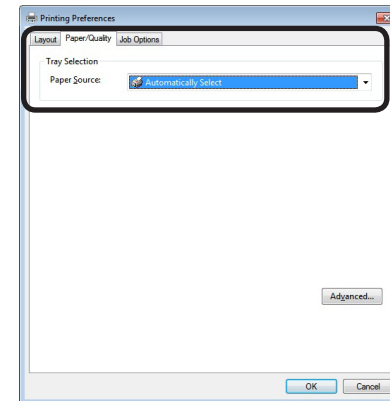
Those using a Windows PS printer driver

- ① Select [Page Setup] from the [File] menu.

- ② Select [A4] in [Size], and [Portrait] or [Landscape] in [Orientation], and click [OK].



- ③ Select [Print] from the [File] menu.
- ④ Click on [Preferences].
- ⑤ Select [Automatically Select] in [Paper Source] in the [Paper/Quality] tab, and click [OK].

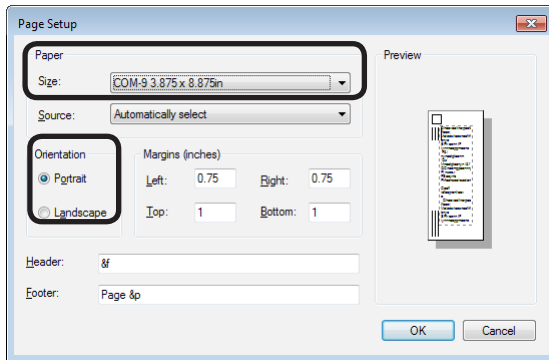


- ⑥ Click [Print] in order to print.

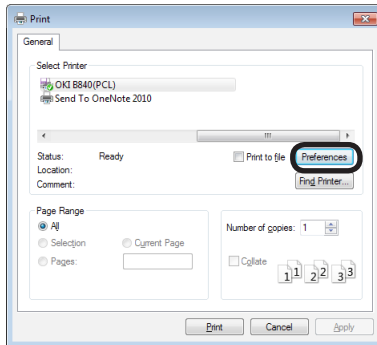


## Those using a Windows PCL printer driver

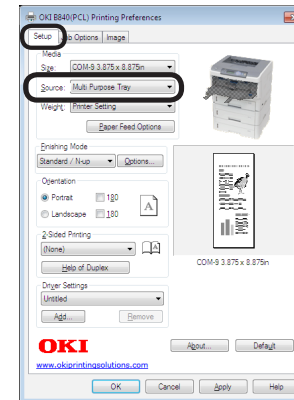
- 1 Select [Page Setup] from the [File] menu.
- 2 Select [Com-9] in [Size], and [Portrait] or [Landscape] in [Orientation], and click [OK].



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



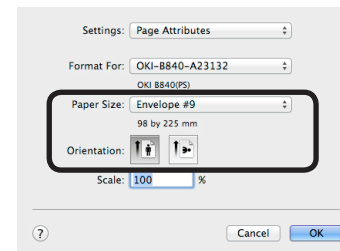
- 5 Select [Multi Purpose Tray] from [Source] in the [Setup] tab.



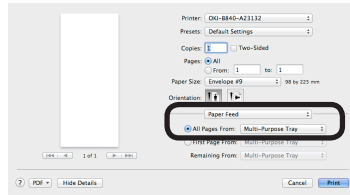
- 6 Click [OK].
- 7 Click [Print] in order to print.

## For those using a Mac OS X

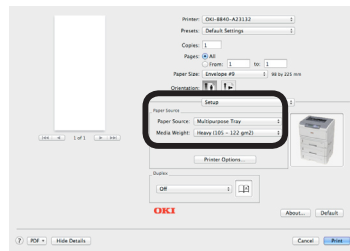
- 1 Select [Page Settings] from the [File] menu.
- 2 Select the printer model name in [Format For], [Envelope #9] in [Paper Size], and the appropriate orientation in [Orientation], and click [OK].



- ③ Select [Print] from the [File] menu.
- ④ If you are using a PS printer driver, select [Multi-Purpose Tray] on the [Paper Feed] panel.



- ⑤ If you are using a PCL printer driver, select [Multipurpose Tray] on the [Setup] panel, select [Heavy] in [Media Weight] on the [Setup] panel.



**Memo**

- If you are using a PCL printer driver, and if you are printing with a portrait orientation (a long - type one with the flap towards the top) on an envelope, it will be printed 180° the other way.
- If you are using a PCL printer driver, and if you are printing in a landscape orientation (a long - type one with the flap on the right side) on an envelope, select landscape (central icon) in [Orientation] on the Page Setup screen.
- 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.

- ⑥ Click [Print] in order to print.

# Print on labels and Transparency

## Publication of Functions

Print labels and Transparency from the multipurpose tray (MP Tray).

- Note!**
- The printing speed will be slow.
  - If printing and treating the multipurpose tray as a manual feed, and if the time until setting the paper exceeds the [MANUAL TIMEOUT Out] in the [SYS CONFIG MENU] (the default value is set at 1 minute), the print data will be automatically destroyed.

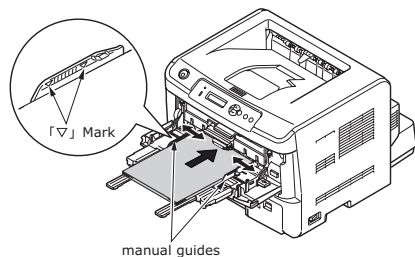
## Operating environment

The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	○	○	○	○

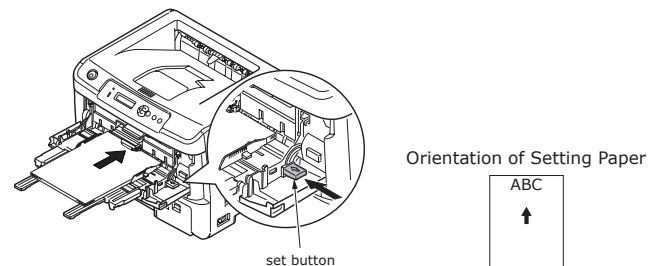
## Method of operation

### 1 Set the paper.

- Set the paper in the multipurpose tray and align it with the left and right manual guides.



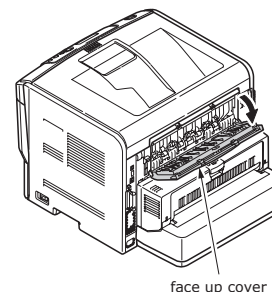
- Press the set button.



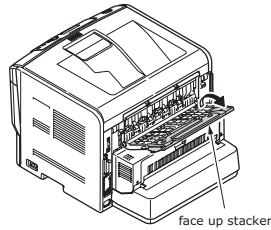
### 2 Open the face up stacker.

The paper will be output on the face up stacker, stacked in the reverse order in which it was printed.

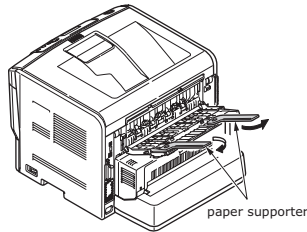
- Open the rear printer side of the face up cover.



- ② Open the face up stacker.








- ③ Pull out the paper supporter.














**Note!** • Do not open the face up stacker during printing. This may result in a paper jam.

### 3 Set the paper size and paper thickness.

Here the procedure for setting labels is explained.

- ① Press the  button several times. The [MEDIA MENU] will be displayed, and press the  **ENTER** button.
- ② Press the  or the  button several times. [MPT MEDIA-TYPE/PLAIN] will be displayed. Press the  **ENTER** button.

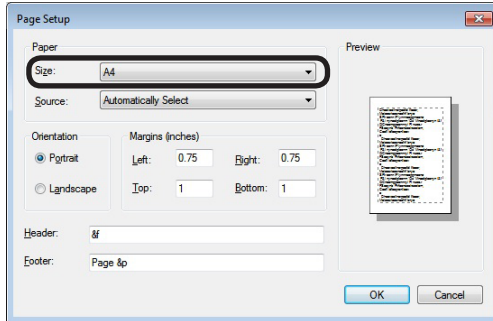
- ③ Press the  or the  button, and [LABELS] will be displayed.
- ④ Press the  **ENTER** button, and a [\*] will appear on the right side of the set value.
- ⑤ Press the  **Back** button, then press the  or the  button several times. [MPT MEDIAWEIGHT/M LIGHT] will be displayed. Press the  **ENTER** button.
- ⑥ Press the  or the  button, and [HEAVY] will be displayed.
- ⑦ Press the  **ENTER** button, and a [\*] will appear on the right side of the set value.
- ⑧ Press the  **Online** button, and [ONLINE] will be displayed.

### 4 Open the file you want to print.

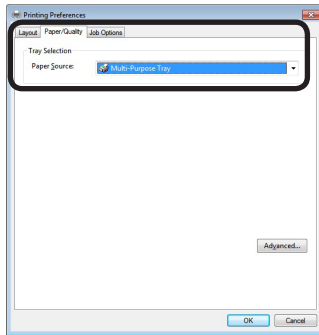
### 5 Select [Paper Size] and [Paper Feed Method] and print.

## Those using a Windows PS printer driver

- 1 Select [Page Setup] from the [File] menu.
- 2 Select [A4] or [Envelope] in [Size], and [Portrait] or [Landscape] in [Orientation], and click [OK].



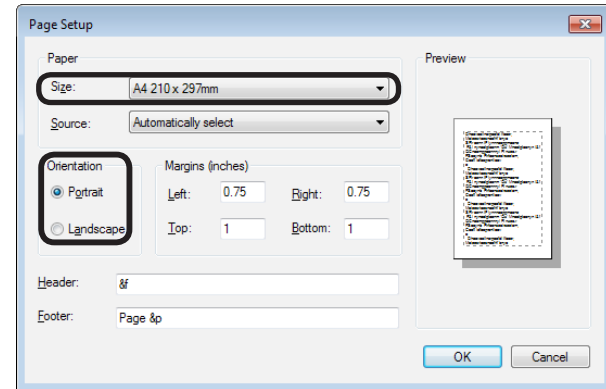
- 3 Select [Print] on the [File] menu.
- 4 Click on [Preferences].
- 5 Select [Multi-Purpose Tray] in [Paper Source] in the [Paper/Quality] tab, and click [OK].



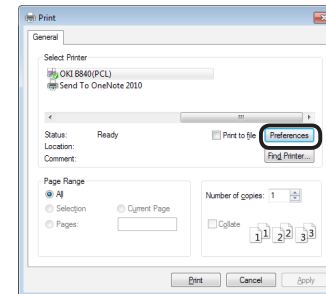
- 6 Click [Print] in order to print.

## Those using a Windows PCL printer driver

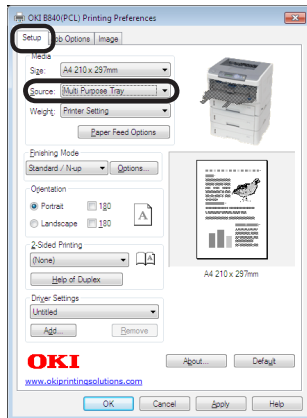
- 1 Select [Page Setup] from the [File] menu.
- 2 Select [A4] or [Envelope] in [Size], and [Portrait] or [Landscape] in [Orientation], and click [OK].



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



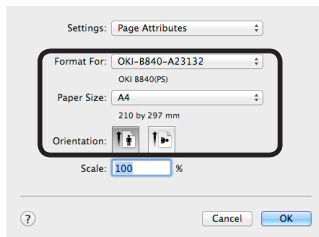
- 5 Select [Multi Purpose Tray] from [Source] in the [Setup] tab.



- 6 Click [OK].
- 7 Click [OK] or [Print] on the Print screen, in order to print.

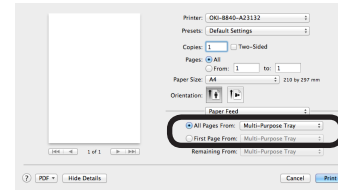
For those using a Mac OS X

- 1 Select [Page Settings] from the [File] menu.
- 2 Select the printer model name in [Format For]; [A4] or [Envelope] in [Paper Size], and the appropriate orientation in [Orientation], and click [OK].

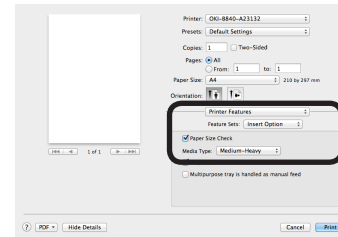


- 3 Select [Print] from the [File] menu.

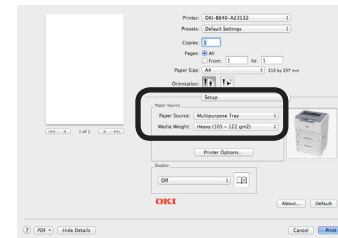
- 4 Select [Multi-Purpose Tray] on the [Paper Feed] panel.



- 5 If you are using a PS driver, select [Medium-Heavy] in [Media Type] within [Insert Option] function settings on the [Printer Features] panel.

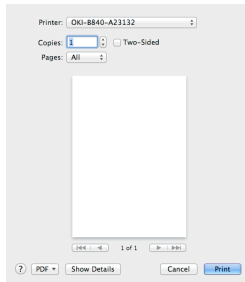


If you are using a PCL printer driver, select [Multipurpose Tray] on the [Setup] panel, select [Heavy] in [Media Weight] on the [Setup] panel.



**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.



- ⑥ Click [Print] in order to print.

# Print on any kind of sized paper you want (custom page)

## Publication of Functions

You can independently set paper size and use it in the same way as normal paper size.

- Note!**
- You must set the paper size to portrait.
  - If large sized paper does not print correctly with a PS printer driver, you may be able to print correctly by selecting Normal in [Print Quality].

Sizes that can be set	Trays 1 - 3 *	Multipurpose tray (MP Tray)
Width	148 - 297 mm	76 - 297 mm
Length (Height)	182 - 432 mm	148 - 432 mm

\* Tray 3 is only B840dn

## Operating environment

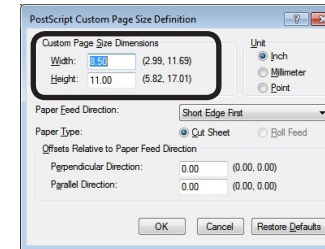
The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	○	○	○	○

## Method of operation

### Those using a Windows PS printer driver

- For Windows 8/8.1/Server 2012/2012 R2, select [Control Panel] - [Devices and Printers].  
For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].  
For Windows Vista/Windows Server 2008, select [Start] - [Control Panel], and then click on [Printers].  
For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].  
For Windows Server 2003, select [Start] - [Printers & Faxes].

- Right - click on the [OKI B840(PS)] icon, and select [Printing Preferences].
- Click [Advanced] in the [Layout] tab.
- Select [PostScript Custom Page Size Definition] in [Paper Size].
- Enter [Width] and [Height].



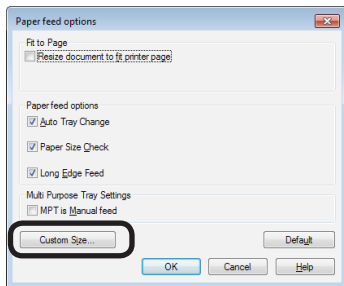
- Click on [OK].  
**Note!** You cannot set the [Offsets Relative to Paper Feed Direction].

### Those using a Windows PCL printer driver

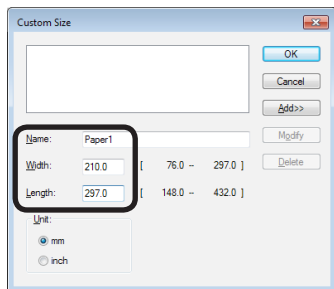
- For Windows 8/8.1/Server 2012/2012 R2, select [Control Panel] - [Devices and Printers].  
For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].  
For Windows Vista/Windows Server 2008, select [Start] - [Control Panel], and then click on [Printers].  
For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].  
For Windows Server 2003, select [Start] - [Printers & Faxes].



- ② Right - click on the [OKI B840(PCL)], (for B820n this is [OKI B820]), and select [Printing Preferences].
- ③ Click [Paper Feed Options] in the [Setup] tab.
- ④ Click [Custom Size].



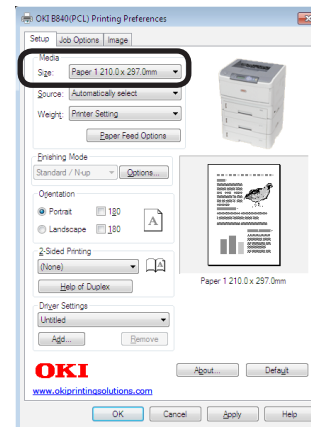
- ⑤ Select [Paper Type] and enter [Name], [Width], and [Length].



- ⑥ Click [Add].
- ⑦ Click on [OK].

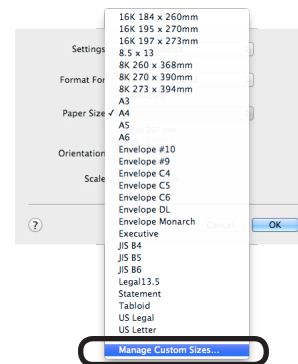
**Memo** • The created paper will be displayed at the bottom of the [Size] list in the [Setup] tab. You can define up to a total of 32.

- ⑧ Select the custom page added in [Size], and click [OK].

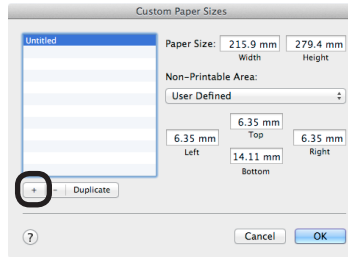


For those using a Mac OS X printer driver

- ① Open the file you want to print.
- ② Select [Page setup] from the [File] menu.
- ③ Click [Paper Size] - [Manage Custom Sizes]. (For Mac OS X 10.3, click on [Custom Paper Sizes] in [Settings].)



- Click [+] on the [Custom Paper Sizes] screen, and enter the [Name], [Width] and [Height] of the custom paper.



- Click [OK].  
The created paper will be displayed at the bottom of the [Paper Size] list on the [Page Attributes] panel.

- Note!**
- In Mac OS X, you can enter paper sizes outside of the range, however, these will not be printed correctly, so please enter values within the range.

# Chapter 2 Convenient Printing Functions

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Save the printer driver settings and use them again .....	44
Change the printer driver initial settings .....	46
Use the face up stacker to output sheets in the order of the pages .....	48
Cancel a print job from the computer .....	50

**Note!**

- In this chapter, [WordPad] is used as a an example for Windows and [Text Editor] for Mac OS X.
- The screen or procedure may vary depending on the application you use.
- Please refer to Online Help for detailed explanations of each setting item for utilities and printer drivers.
- The details may differ from those in this manual if you upgrade the version of printer driver or utility you are using.

## Basic printing method

### Those using Windows

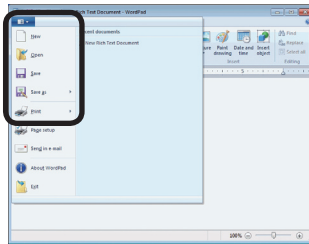
Configure various settings on the printer driver and print.

There are two ways to configure the settings, depending on the item to be configured.

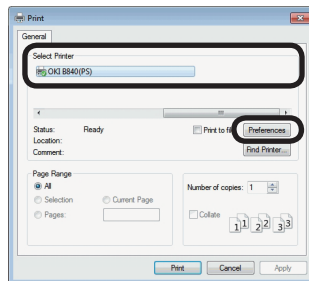
Here, an explanation will be given with WordPad as an example.

### If configuring settings for a function at the time you are printing

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.



- ③ Select the printer and click [Preferences].

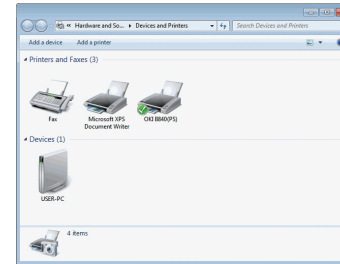


- ④ Configure the function you want to use and print.

📖 Setup Instructions - Chapter 2 Basic Operation

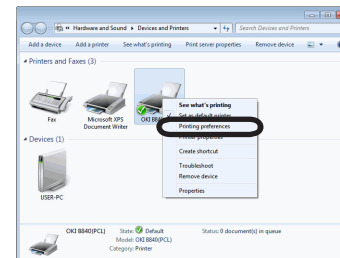
### If printing with settings for often - used functions configured in advance

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

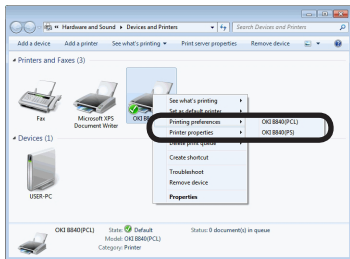


- ② Select the printer icon, right click on it and select the printer driver in [Printing preferences].

If there is only one printer driver installed, select [Printing preferences].



If there are two printer drivers installed, select [Printer Properties].



③ Configure the function you want to use and click [OK].  
👉 Setup Instructions - Chapter 2 Basic Operation

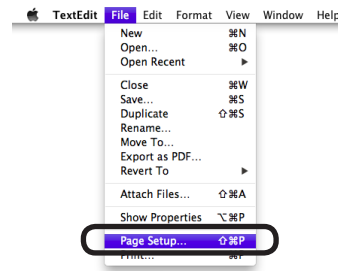
④ Open the file you want to print, and print it.

■ For those using a Mac OS X

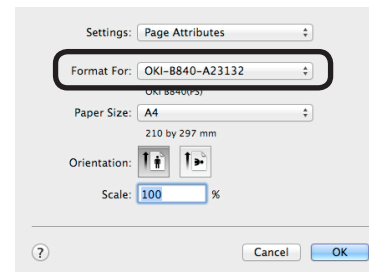
Configure various settings on the printer driver and print.  
TextEdit is used here as an example.

• If setting the paper size, etc.

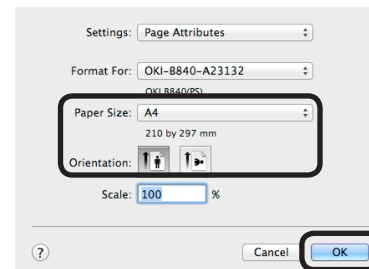
- ① Open the file you want to print.
- ② Select [Page Setup] from the [File] menu.



③ Select the printer from [Format For].

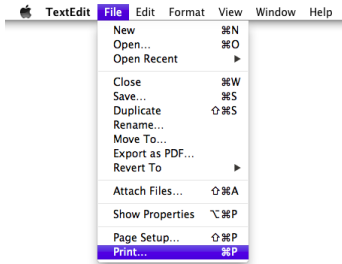


④ Configure the paper size and other items and click [OK].



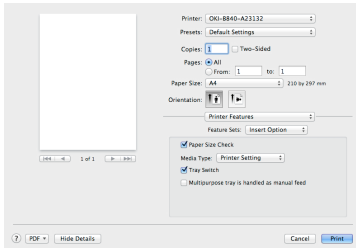
• If configuring various function settings

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.



- ③ Select the panel, and configure the settings for the function you want to use.

Setup Instructions - Chapter 2 Basic Operation

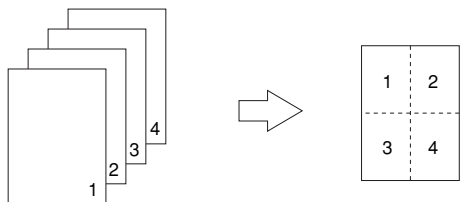


- ④ Start a print job.

# Print multiple pages on a single sheet

## Explanation of Functions

Shrink data from multiple pages onto a single sheet of paper and print.



- Note!**
- This function shrinks data and prints it, so the printing may not be correctly centered or the print may be thin.
  - If you change the binding margin value, the other side margin will increase due to the shrinkage of the overall page with the combined width of the binding margins.

## Operating environment

The model you are using	B840dn				B820n	
The environment you are using the machine in	Windows		Mac OS X		Windows	Mac OS X
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	○	○	○	○

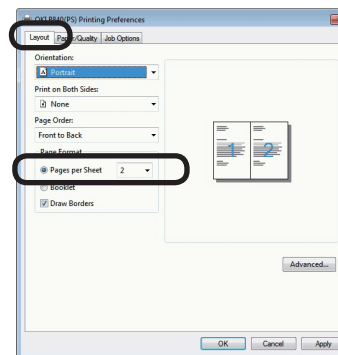
## Method of operation

### Those using a Windows PS printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].

- ④ Select [Pages per Sheet] on the [Layout] tab.

If necessary, set [Draw Borders]. Also, you can change the page layout in [Advanced] - [Pages Per Sheet Layout].

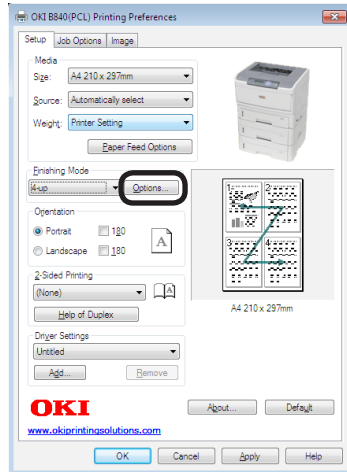


- Note!**
- [Draw Borders] and [Pages Per Sheet Layout] cannot be used in Windows XP/Windows Server 2003.

### Those using a Windows PCL printer driver

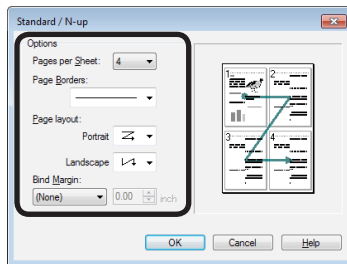
- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].
- ④ Select [n-up] (n is the number of pages to print on one sheet) in the [Setup] tab.

⑤ Click on [Options].



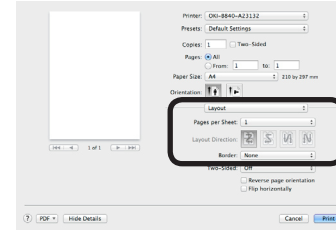
⑥ If required, set [Page Borders], [Page layout], and [Bind Margin].

- Memo** • You can set the binding margin on the top, bottom, left and right to be 0 - 30 mm.



For those using a Mac OS X

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Select [Pages per Sheet], [Layout Direction] and [Border] in the [Layout] panel.



- 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.

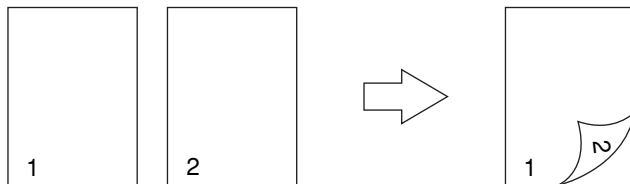


# Automatically print on both sides

## Explanation of Functions

You can automatically print on both sides of the paper.

- Note!** • You may be not able to use this, depending on the application you are using.



The paper sizes you can use for double - sided printing are A3, A4, A5, B4, Letter, Legal14, Legal13.5, Legal13, 8K,16K, B5, Executive and custom size (width 148 - 297mm, length 182 - 420mm).

The thickness of the paper that can be used for automatic double - sided printing is a basic weight of 60 - 105g/m<sup>2</sup> (ream weight of 52 - 90kg) Other thicknesses of paper cannot be used as they may result in a paper jam.

- Memo** • Paper sizes other than the above can be manually double - side printed.
- Manually do double sided printing (Manual Double - Sided Printing) (P 57)

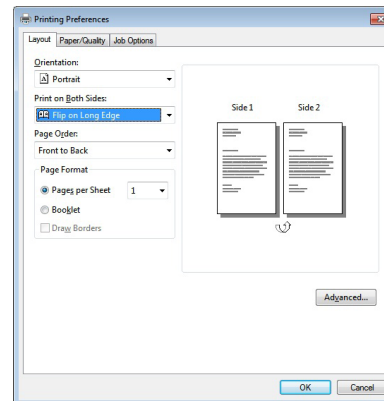
## Operating environment

The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	○	○	○	○

## Method of operation

### Those using a Windows PS printer driver

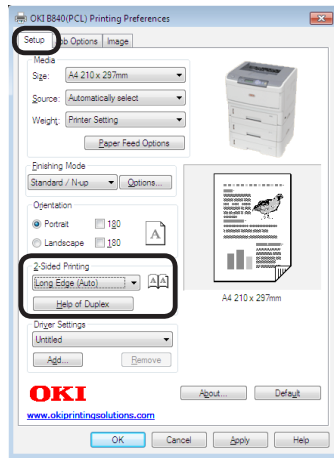
- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preference].
- ④ Select [Flip on Long Edge] or [Flip on Short Edge] in [Print on Both Sides] on the [Layout] tab.



### Those using a Windows PCL printer driver

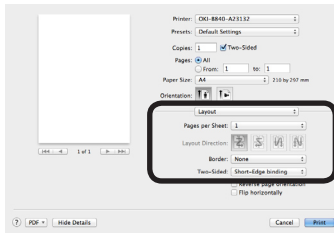
- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].

- 4 Select [Long Edge (Auto)] or [Short Edge (Auto)] in [2-Sided Printing] in the [Setup] tab.



For those using a Mac OS X PS printer driver

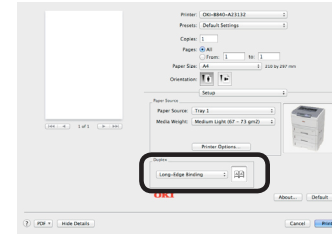
- 1 Open the file you want to print.
- 2 Select [Print] from the [File] menu.
- 3 Select [Long-Edge binding] or [Short-Edge binding] from [Two-Sided] on the [Layout] panel.



- 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 a Mac OS X PCL printer driver

- 1 Open the file you want to print.
- 2 Select [Print] from the [File] menu.
- 3 Select [Long-Edge Binding] or [Short-Edge Binding] in [Duplex] on the [Setup] panel.

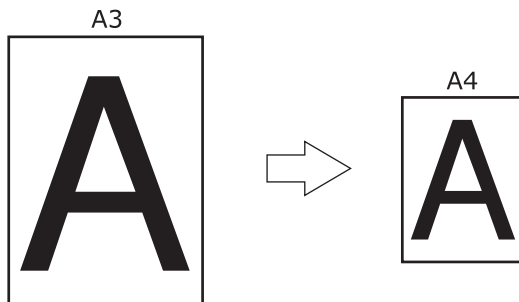


- Memo**
- If setting details are not displayed in the print dialog box for Mac OS X 10.7 to 10.9, click [Show Details] at the bottom of the dialog box.
  - If the print option is not displayed in the print dialog box for Mac OS X 10.6.8, click the disclosure triangle next to the [Printer] drop-down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

# Change the paper size

## Explanation of Functions

You can print on different sized paper without changing the print data.



- Note!**
- This operation may not work correctly, depending on the application.
  - The [Expand/Shrink] tab in [Job Options] in Properties in Windows shrink the data, and so they do not change the paper size.

## Operating environment

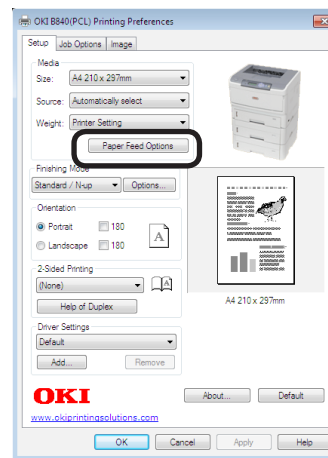
The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	×	○	×	×	○	×

## Method of operation

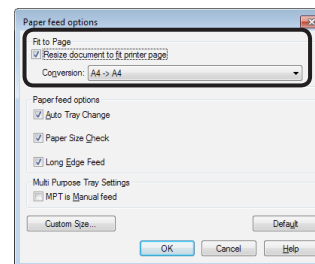
Those using a Windows PCL printer driver

- Open the file you want to print.
- Select [Print] from the [File] menu.

- Click on [Preferences].
- Select the paper size to edit from [Size] in the [Setup] tab.
- Click on [Paper Feed Options].



- Put a check in [Resize document to fit printer page], select the size of paper you want to print on in [Conversion] and click [OK].



## Save toner and print

### Explanation of Functions

Print in order to reduce the amount of toner used.

- Note!** • If you configure toner - saving, the print quality cannot be guaranteed.

### Operating environment

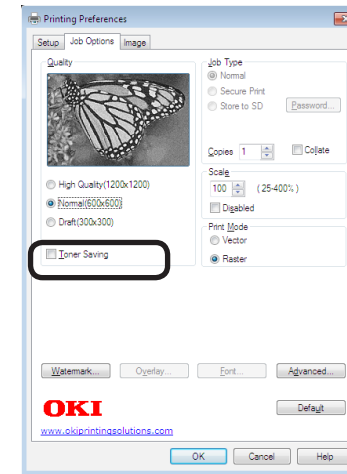
The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### Method of operation

#### Those using Windows

- ① Open the file you want to print.
- ② Select [Print] from the [File menu].
- ③ Click on [Preferences].

- ④ Put a check in [Toner Saving] in the [Job Options] tab.

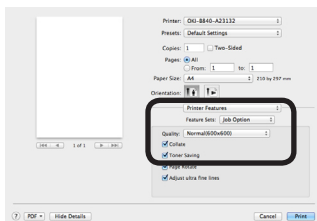


(The Windows PCL printer driver screen)

#### For those using a Mac OS X PS printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.

- Put a check in [Toner Saving] in the [Job Option] function set on the [Printer Features] panel.

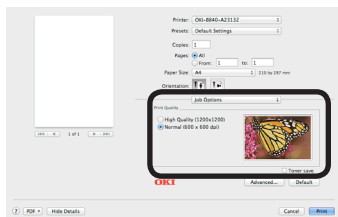


## Memo

- 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 a Mac OS X PCL printer driver

- Open the file you want to print.
- Select [Print] from the [File] menu.
- Put a check in [Toner save] on the [Job Options] panel.



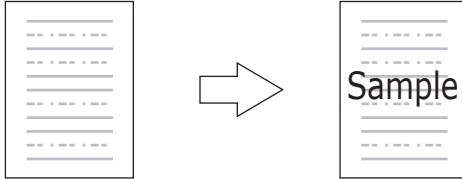
## Memo

- 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.

# Print a watermark (stamp print)

## Explanation of Functions

You can print an overlay with words such as "Sample" or "Internal and Confidential", independently of the contents printed from applications.



## Operating environment

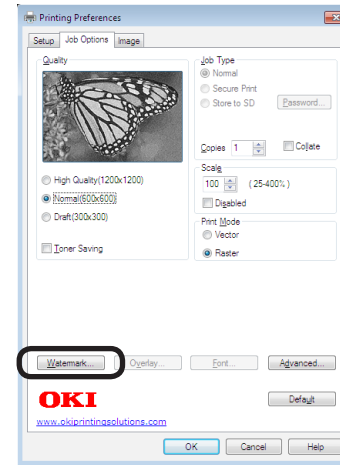
The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	×	×	○	×

## Method of operation

### Those using Windows

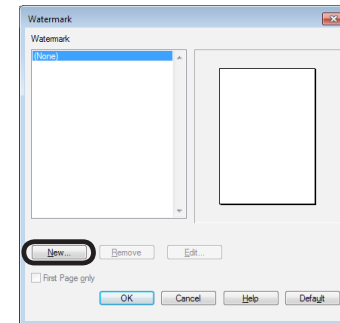
- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].

- ④ Click on [Watermark] in the [Job Options] tab.

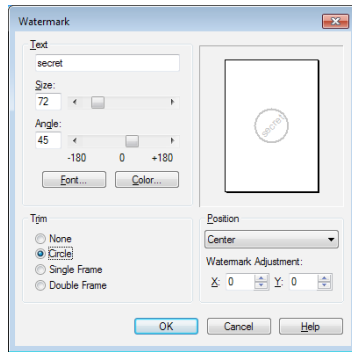


(The Windows PCL printer driver screen)

- ⑤ Click [New].



- Enter [Text] on the Edit Watermark screen, and select [Font] and [Size].

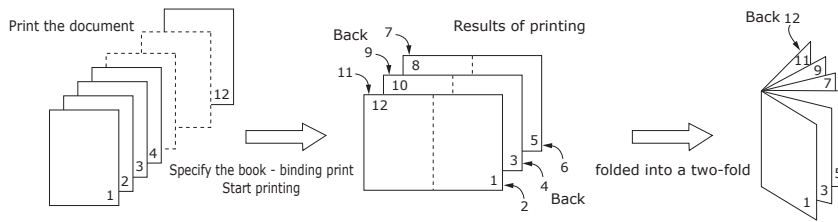


- Click on [OK].
- Check that the watermark to be printed is selected and click [OK].

# Make a pamphlet (Book - Binding Print)

## Explanation of Functions

You can make small books, such as pamphlets.



- Note!**
- This operation may not work correctly, depending on the application.
  - If the application itself creates PostScript data, the small - book binding settings may not work correctly. Methods to avoid this rely on the application. Check the manual for the application you are using. For example, by checking [Print As Image] in the detailed settings with the printing dialog in Adobe Acrobat or Adobe Reader, small books will print normally.
  - [Draw Borders] cannot be used in Windows XP or Windows Server 2003.
  - If you cannot print a [Booklet], right click on the [OKI B840 (PS)] icon in the [Printers and Faxes] or [Printers] folder and put a check in [Enable Detailed Print Functions] in the [Properties] - [Advanced] tab.
  - Watermarks cannot be correctly printed on [Booklet].

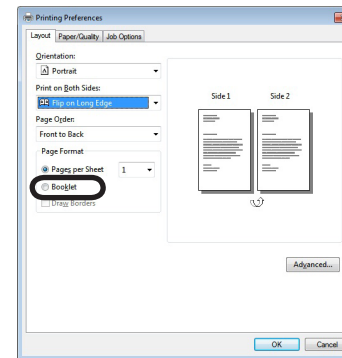
## Operating environment

The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	×	×	×	×	×

## Method of operation

### Those using a Windows PS printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].
- ④ Select [Page Format] on the [Layout] tab. (In Windows XP/Windows Server 2003, select [Booklet] in [Pages Per Sheet] in the [Layout] tab.)



- ⑤ If necessary, set [Draw Borders].

- Note!**
- [Draw Borders] cannot be used in Windows XP/Windows Server 2003.

- ⑥ Click [Advanced] and select the size of paper you are actually using in [Paper Size].

- Memo**
- (E.g.) If using A4 size paper to make an A5 size small book. Select [A4] in [Paper Size] within [Advanced].
  - If making a small book that folds on the right (a book with binding on the right side when the first page is facing up) , select [On Right Edge] in [Booklet Binding Edge] within [Advanced].



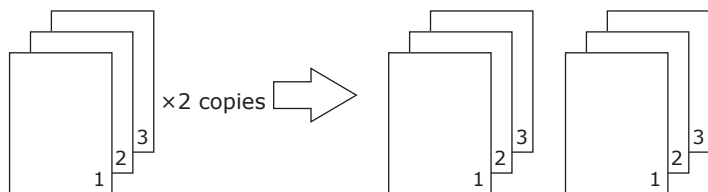
# Collate Print

## Explanation of Functions

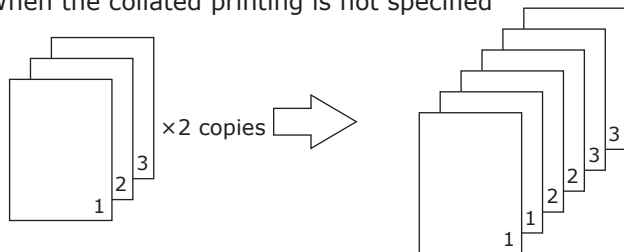
You can print in units of multiple page data sections.

- Note!** • Turn the application's print in parts function off.

When the collated printing is specified



When the collated printing is not specified



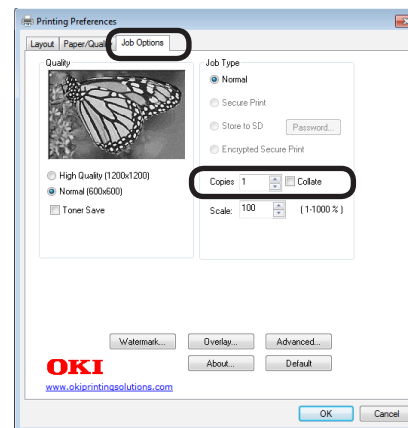
## Operating environment

The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	○	○	○	○

## Method of operation

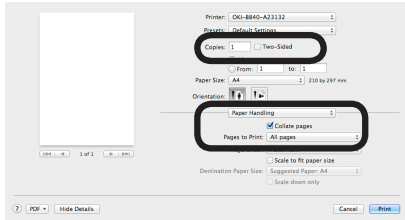
### Those using Windows

- 1 Open the file you want to print.
- 2 Select [Print] from the [File] menu.
- 3 Click on [Preferences].
- 4 Enter the number of sections to print with in [Copies] in the [Job Options] tab and put a check in [Collate].



## For those using a Mac OS X PS printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Select [Paper Handling] on the panel menu or clear the [Collate pages] check box on the [Print] screen, and then enter the number of copies in [Copies].



- 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.

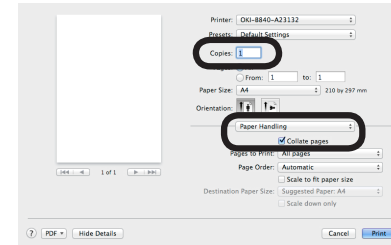
- ④ Select [Printer Features] on the panel menu, and then select the [Collate] check box in the [Job Option] feature set.

- Memo**
- Printing is performed without using the printer's memory when [Paper Handling] is selected on the panel menu and the [Collate pages] check box is selected.

## For those using a Mac OS X PCL printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Enter the number of copies in [Copies].
- ④ Select [Paper Handling] from the panel menu.

- ⑤ Select the [Collate pages] check box.

**Memo**

- Choose [Job Options] from the panel menu, and click [Advanced], then by un-clicking [The Printer Collate is always used], you can print without using the printer memory.

## Automatically select tray

### Explanation of Functions

It is possible to have either tray 1, tray 2 (optional), tray 3 (optional, B840dn only) or the multi-purpose tray automatically selected to match the paper size set on the printer driver.





- Note!**
- You must set the paper size and paper thickness for trays 1 - 3 and the multi-purpose tray on the operating panel.
  - The initial value for the [MP TRAY USAGE] in the menu settings is [DO NOT USE]. In this case the multi-purpose tray cannot be subject to automatic selection.






### Operating environment

The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	○	×	○	×

### Method of operation

#### 1 Set the method of MP tray use on the operating panel.

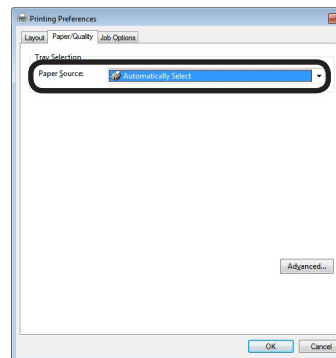
- Press the  button several times and the [PRINT MENU] will be displayed.
- Press the  **ENTER** button.
- Press the  or the  button several times, and [MP TRAY USAGE] will be displayed.

- press the  **ENTER** button.
- Press the  or the  button several times and [WHEN MISMATCH] will be displayed.
- Press the  **ENTER** button, and a [\*] will appear on the right side of the set value.
- Press the  **Online** button, and [ONLINE] will be displayed.

#### 2 Set [Paper Source] on the printer driver.

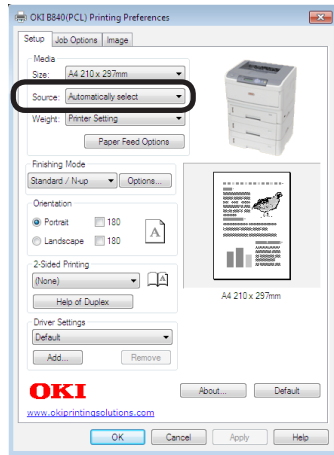
Those using a Windows PS printer driver

- Open the file you want to print.
- Select [Print] from the [File] menu.
- Click on [Preferences].
- Select [Automatically Select] from [Paper Source] in the [Paper/Quality] tab.



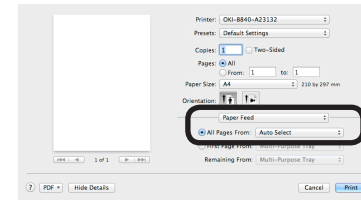
## Those using a Windows PCL printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].
- ④ Select [Automatically Select] from [Source] in the [Setup] tab.



## For those using a Mac OS X PS printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Select [All pages From] or [Auto Select] from the [Paper Feed] panel.



## 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.

## Print a large volume with the same paper size

### Explanation of Functions

If you set the same paper size and thickness for tray 1, tray 2 (optional), tray 3 (optional, B840dn only), and the multi-purpose tray, you can print from another tray when the paper runs out.

#### Note!

- You must set the paper size and paper thickness for trays 1 - 3 and the multi-purpose tray on the operating panel to be the same. If the paper size and thickness is different between trays, you will not be able to automatically change between trays.
- The initial value for the [Method of MP Tray Use] in the menu is [Do Not Use]. In this case the multi-purpose tray cannot be subject to automatic selection.

### Operating environment

The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### Method of operation

## 1 Set the method of MP tray use on the operating panel.

- Automatically Select Tray (P 39)

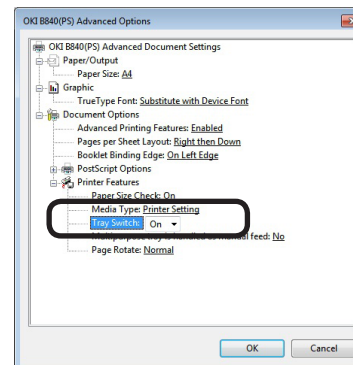
## 2 Set the paper size and thickness to be the same for tray 1, tray 2, tray 3, and for the multi-purpose tray.

- If using the operating panel, refer to Setup Instructions - Chapter 2 Basic Operation

## 3 Set [Automatically Switch Trays] on the printer driver.

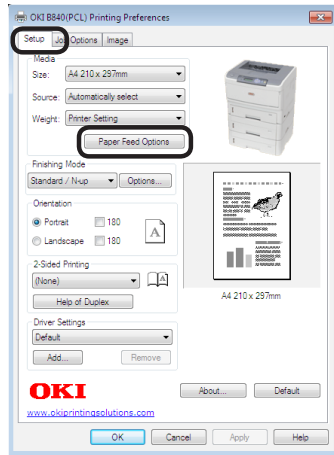
### Those using a Windows PS printer driver

- Open the file you want to print.
- Select [Print] from the [File] menu.
- Click on [Preferences].
- Click [Advanced] in the [Layout] tab.
- Select [On] for [Tray Switch].

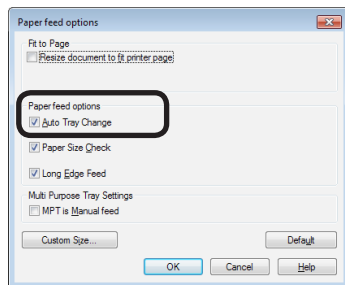


## Those using a Windows PCL printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].
- ④ Click [Paper Feed Options] in the [Setup] tab.

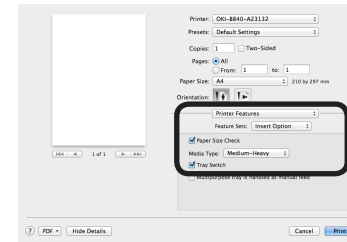


- ⑤ Put a check in [Auto Tray Change].



## If you are using a Mac OS X PS printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Put a check in [Tray Switch] in the [Insert Option] function panel on the [Printer Features] panel.

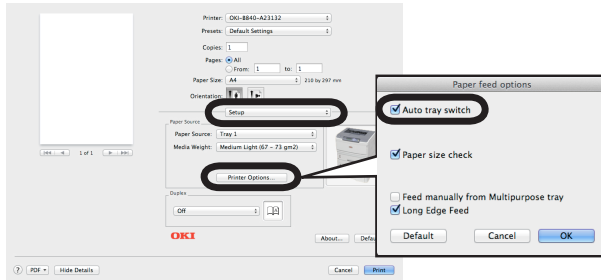


## Memo

- 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 a Mac OS X PCL printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Select [Setup] from the panel menu.
- ④ Click [Printer Options].
- ⑤ Check the [Auto Tray Switch] check box.



### 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.

## Save the printer driver settings and use them again

### Explanation of Functions

You can save the details you set on the printer driver.

If you save details of settings changed in several places, the printer driver details will be automatically changed in several places to the saved details from the next time, just by specifying the driver settings.

### Operating environment

The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	×	○	×	×	○	×

### Method of operation

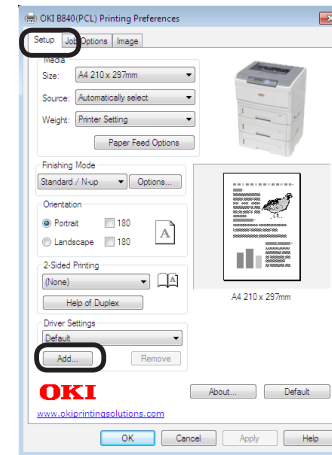
#### Save settings

##### Those using a Windows PCL printer driver

- For Windows 8/8.1/Server 2012/2012 R2, select [Control Panel] - [Devices and Printers].  
For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].  
For Windows Vista/Windows Server 2008, select [Start] - [Control Panel], and then click on [Printers].  
For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].  
For Windows Server 2003, select [Start] - [Printers & Faxes].
- Right - click on the icon of the printer you want to use, and select [Printing Preferences].

- Change each setting.

- Select [Add] on [Driver Settings] in the [Setup] tab.



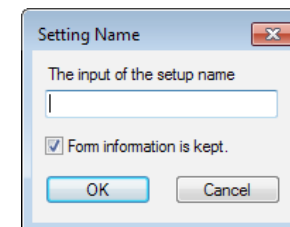
- Enter the name of the settings in [The input of the setup name] and then click [OK].

#### Memo

##### Save paper information

Put a check in it in order to save the [Media] settings in the [Setup] tab.

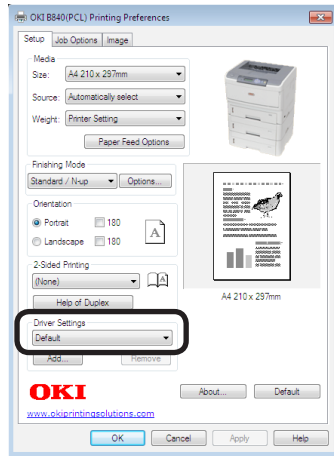
You can save up to a maximum of 14 of them.





- Use saved settings

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Select the settings to use from [Driver Settings] and click [OK].



## Change the printer driver initial settings

### Explanation of Functions

It is convenient to change frequently changed functions in initial settings.

### Operating environment

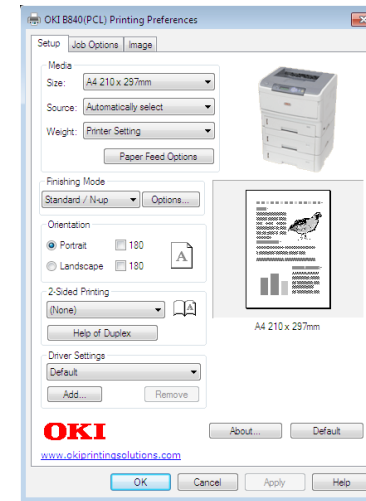
The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
The type of printer driver						
Can use	○	○	○	○	○	○

### Method of operation

#### Those using a Windows printer driver

- For Windows 8/8.1/Server 2012/2012 R2, select [Control Panel] - [Devices and Printers]  
For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].  
For Windows Vista/Windows Server 2008, select [Start] - [Control Panel], and then click on [Printers].  
For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].  
For Windows Server 2003, select [Start] - [Printers & Faxes].
- Right click the icon of the printer you are using.  
Select [Printing Preferences].

- Change each setting and click [OK].



(The Windows PCL printer driver screen)

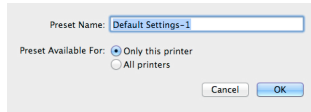
#### For those using a Mac OS X

- Open the file you want to print.
- Select [Print] from the [File] menu.
- Change each setting.

#### 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.

- ④ Select [Save Current Settings as Preset] in [Presets], enter an appropriate setting name and click [OK].



Preset Name:

Preset Available For:  Only this printer  
 All printers

**Note!**

- [Page Setup] dialog initial settings cannot be changed.
- Select a setting name saved in [Preset] at the time of printing.
- The operations with settings saved on other drivers cannot be guaranteed. Save the settings with a name so that you can tell the model name.

## Use the face up stacker to output sheets in the order of the pages

### Explanation of Functions

The paper is output with the printed surface facing up.

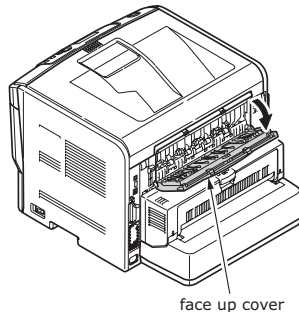
### Operating environment

The model you are using	B840dn				B820n	
The environment you are using the machine in	Windows		Mac OS X		Windows	Mac OS X
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	×	×	×	×	×

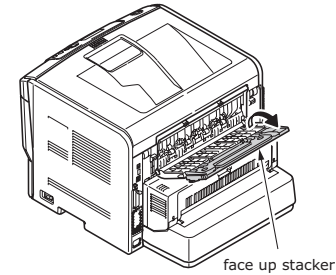
### Method of operation

#### Those using a Windows PS printer driver

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



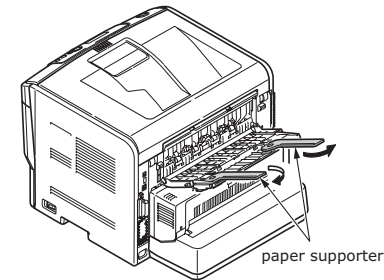
- ② Open the face up stacker.



- ③ Pull out the paper supporter.

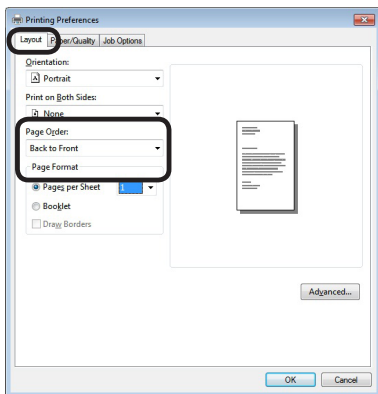
**Note!**

- Do not open the face up stacker during printing. This may result in a paper jam.



- ④ Open the file you want to print.
- ⑤ Select [Print] from the [File] menu.
- ⑥ Click on [Preferences].

⑦ On [Page Order] in the [Layout] tab, select [Back to Front].



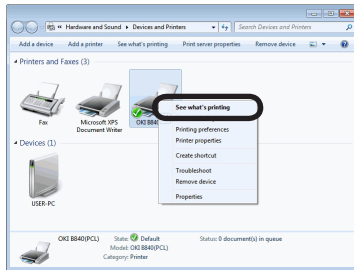
**Memo**

- If the [Page Order] item is selected, right - click on the [OKI B840 (PS)] icon in the [Printers and Faxes] or [Printers] folder and put a check in [Enable advanced printing features] in the [Properties] - [Advanced] tab.


# Cancel a print job from the computer

## Those using Windows

- ① For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].  
For Windows Vista/Windows Server 2008, select [Start] - [Control Panel], and then click on [Printers].  
For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].  
For Windows Server 2003, select [Start] - [Printers and Faxes].
- ② Select the printer icon and right - click on it.  
Select [See what's printing] from the displayed menu.

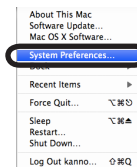


- ③ Click on [Documents] - [Cancel].

**Memo** • If the OKI LPR Utility is being installed, you can cancel from it.  
 OKI LPR Utility (P 165)

## For those using Mac OS X

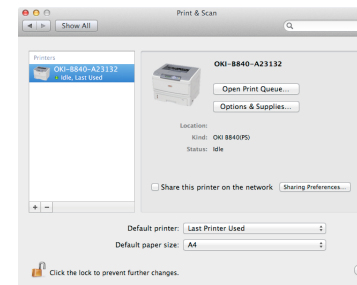
- ① Select [Apple Menu] - [System Preferences].



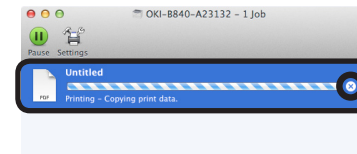
- ② Click [Print & Scan].



- ③ Double click on the printer name.



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



# Chapter 3 Use various ways to print

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Register a form and then print (Form overlay) .....	60
Output print data to files .....	64
Printing PostScript Errors.....	66

**Note!**

- In this chapter, [WordPad] is used as a an example for Windows and [Text Editor] for Mac OS X.
- The screen or procedure may vary depending on the application you use.
- Please refer to Online Help for detailed explanations of each setting item for utilities and printer drivers.
- The details may differ from those in this manual if you upgrade the version of printer driver or utility you are using.

## Print after entering a password (Secure Print)

### Explanation of Functions

You can store print data on an SD memory card (optional) put into the printer, and then print from the control panel, after entering a password.

- Memo**
- If the capacity of the memory card used to store print jobs is insufficient, [FILE SYSTEM FULL] will be displayed.

### Operating environment

If the printer has an SD memory card (optional), you can use it.

- Memo**
- Prior to inserting an SD memory card, settings must be configured on the printer driver. For details, please refer to Options in Chapter 1 - Setting Up, within the Setup Instructions.

The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	×	×	○	×

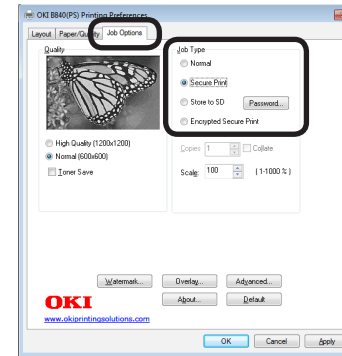
### Method of operation

## 1 Print from the computer.

#### Those using Windows

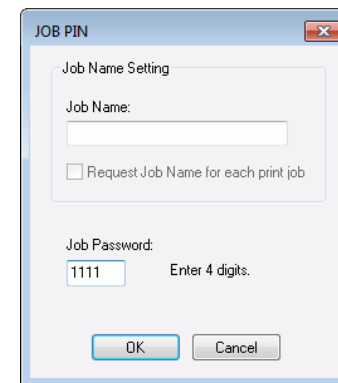
- 1 Open the file you want to print.
- 2 Select [Print] from the [File] menu.
- 3 Click on [Preferences].

- 4 Select [Secure Print] from [Job Type] on the [Job Options] tab.



- 5 On the JOB PIN screen enter Job Name and Job Password and click on [OK].

- Memo**
- Enter the job name at the time of printing  
When you print, the screen to enter the job name appears.
  - Job password  
Set a 4 digit number.





⑥ Print.

Memo

- If you put a check in the [Request Job Name for each print job] box, enter the Job Name on the Job Name Entry screen, and then click [OK].
- Job name  
Set this as up to a maximum of 16 half - Width (English) characters.

# Print secret or important documents (Encrypted Secure Print)

## Explanation of Functions

Send to the printer after encrypting print data. By doing this, the details of the printing can be prevented from leaking, even if print data is intercepted from the printer communication process or from an SD card. In order to further strengthen security, print jobs saved on the SD memory card (optional) are automatically deleted after a set period of time has passed.

You can prevent theft of printed materials by printing after entering a password in the printer control panel.

- Note!**
- Cannot be used with Windows 8 (64bit version)/Windows 8.1 (64bit version)/Windows Server 2012/Windows Server 2012 R2/Windows 7 (64bit version)/Windows Vista (64bit version)/Windows Server 2008 (64bit version)/Windows Server 2008 R2/Windows XP (x64 version)/Windows Server 2003 (x64 version).
  - If the capacity of the SD memory card is insufficient to store the print job, [FILE SYSTEM FULL] will be displayed.

## Operating environment

If the printer has an SD memory card (optional), you can use it.

- Memo**
- Prior to inserting an SD memory card, settings must be configured on the printer driver. For details, please refer to Options in Chapter 1 - Setting Up, within the Setup Instructions.

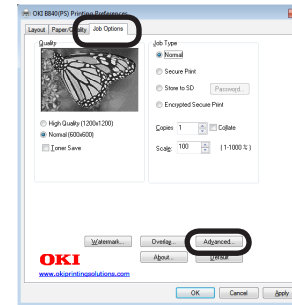
The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	×	×	○	×

## Method of operation

### 1 Specify encrypted authenticated printing, and then print

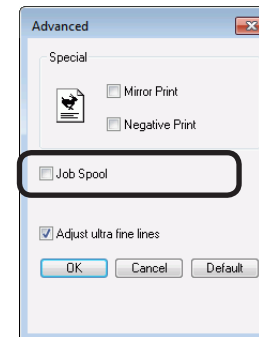
#### Those using Windows

- ① Open the file you want to print.
- ② Click on [Preferences].
- ③ Click on [Advanced] in the [Job Options] tab.

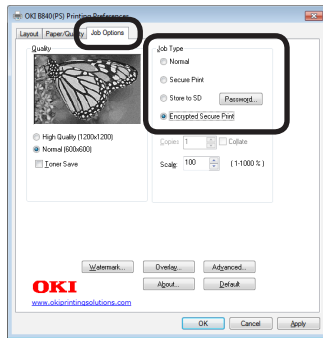


(The Windows XP PS printer driver screen)

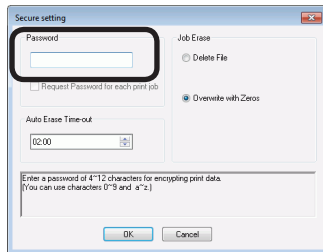
- ④ Confirm that there is a check in the [Job Spool] box, and click [OK].



- ⑤ Select [Encrypted Secure Print] from [Job Type] on the [Job Options] tab.



- ⑥ Enter the [Password], and click [OK].



(The Windows XP PS printer driver screen)

**Memo**






- Password
  - Set 4 - 12 English lower - case characters.
- Request Password for each print job
  - At the time of printing a password entry screen appears on the computer.
- Auto Erase Time-out
  - The time for which print jobs are saved to the printer SD memory card is set as 5 mins - 23 hours 59 mins. Print jobs that are passed the saving period will be automatically deleted from the SD memory card.
- Job Erase
  - Sets the method to use at the time of deleting print jobs from the SD memory card.
- Delete File
  - Delete a print job using the file system. There is a possibility that print jobs deleted from the SD memory card using this method may be restored, however, it is the quickest method of deleting.

- Overwrite with Zeros




Delete a print job after overwriting with specific data. This deletion method is safer than the simple delete method, however, there is a possibility that print jobs can be re-stored using a special method.

- ⑦ Print from the computer. If you put a check in the [Request Password for each print job] box, enter the [Password] on the [Secure Setting] screen, and then click [OK].

## 2 Enter the password on the printer control panel and then print.

- ① Press the  button several times, select [PRINT JOBS MENU] and press the  **ENTER** button.
- ② Press the  button several times, select [ENCRYPTED JOB], and then press the  **ENTER** button.
- ③ The password entry screen will appear, so enter the password.
- ④ [PRINT/DELETE] is displayed in [ENCRYPTED JOB], so when printing, select [PRINT], and then press the  **ENTER** button. Print encrypted authenticated print jobs.

**Memo**

- If you make a mistake when entering the password, press the  **Back** Button, to set it.
- In order not to print, you can select the  button in Procedure ④, in order to cancel a job.
- If [ARE YOU SURE? YES/NO] is displayed, you can check that [YES] is selected, and press the  **ENTER** button to cancel the job.
- After carrying out an encrypted authenticated print, you the file you used to print will be deleted using the specified deletion method. While the file is being deleted, a message saying [FILE ERASING] will be displayed.
- If a data transfer fails, or if it is detected that the data has been tampered with, a message will be displayed saying [PRESS ONLINE SW/INVALID SECURE DATA], and the relevant data will be deleted.

# Quickly open the computer (buffer print)

## Explanation of Functions

You can store print data in the printer SD Memory Card (optional), and you can quickly open the computer after large or complex jobs.

- Note!** • If the SD Memory Card capacity is too small to store the print job, [File System Full] will be displayed.
- Printing is completed quicker when compared with the case where it is not saved.

## Operating environment

If the printer has an SD memory card (optional), you can use it. The SD memory card requires a COMMON partition.

- Memo** • Prior to inserting an SD memory card, settings must be configured on the printer driver. For details, please refer to Options in Chapter 1 - Setting Up, within the Setup Instructions.

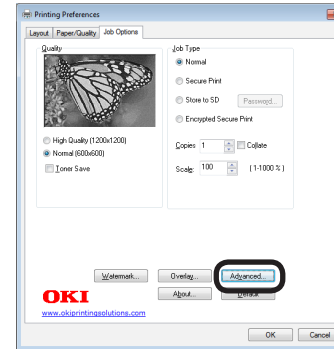
The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	×	×	○	×

## Method of operation

### Those using Windows

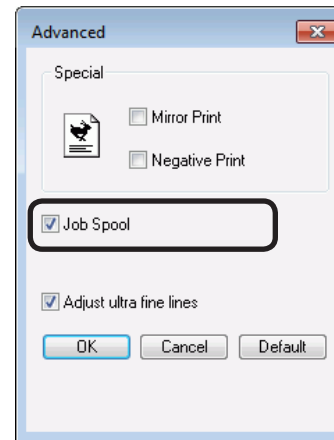
- 1 Open the file you want to print.
- 2 Select [Print] from the [File] menu.

- 3 Click on [Preferences].
- 4 Click on [Advanced] in the [Job Options] tab.



(The Windows XP PS printer driver screen)

- 5 Put a check in the [Job Spool] box.



# Manually do double sided printing (Manual Double - Sided Printing)

## Explanation of Functions

You can manually print on both sides of the paper you are using, without using a double - sided printing unit. After printing on one side, set the paper again, and print on the other side of the paper.

The papers sizes on which you can do manual double - sided printing are: A3, A4, A5, A6, B4, B5, B6, letter, legal (13 inch), legal (13.5 inch), legal (14 inch), tabloid, executive, statement, 8K (260 × 368 mm), 8K (270 × 390 mm), 8K (273 × 394 mm), 16K (184 × 260 mm), 16K (195 × 270 mm), 16K (197 × 273 mm), and custom size.

Please refer to the following table regarding custom sizes.

When doing manual double - sided printing on A6, B6, statement, or tabloid paper, please use the multipurpose tray (MP tray).

The thickness of the paper that can be used for manual double sided printing is a basic weight of 60 - 200g/m<sup>2</sup> (ream weight of 52 - 172kg).

Please check beforehand that the paper you are using for manual double sided printing does not interfere with the print quality or the running of the paper.

**Note!**

- You may be not able to use this, depending on the application you are using.
- You cannot set multiple copies or a single multiple copies page.
- After a certain amount of time passes following printing on one side of the paper (this is initially set to 1 minute), if the online button is not pressed, the unprinted data will be deleted.
- You cannot use paper printed on other printers.

Custom sizes with which you can carry out manual double sided printing

Tray 1, 2, 3	Width 148 - 297 mm	Length 182 - 432 mm
Multipurpose tray (MP Tray)	Width 76 - 297 mm	Length 148 - 432 mm

## Operating environment

The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	×	○	×	×	○	×

## Method of operation

### Those using a Windows PCL printer driver

- If using tray 1 - 3

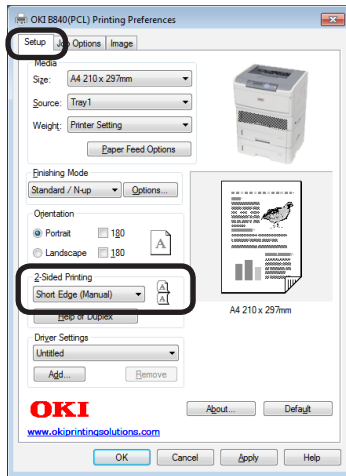
After printing on one side, set the paper again, and print on the other side of the paper. Tray 1 is used here as an example.

**Memo**

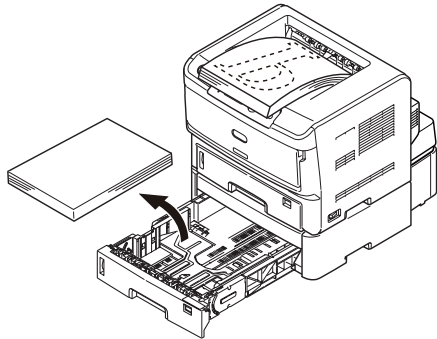
- You can print up to 100 pages at a time (with double sided printing this is 50).

- Open the file you want to print.
- Select [Print] from the [File] menu.
- Click on [Preferences].

- On [Source] in the [Setup] tab, select [Tray 1(Standard Cassette)]. Select [Long Edge (Manual)] or [Short Edge (Manual)] from [2-Sided Printing].



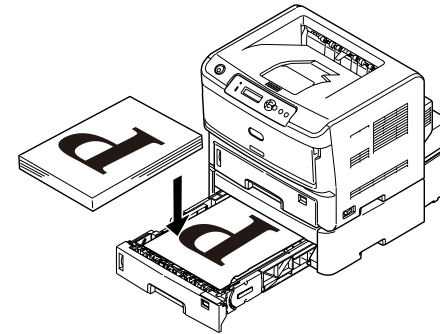
- If single sided printing has finished, remove the paper left in the tray.



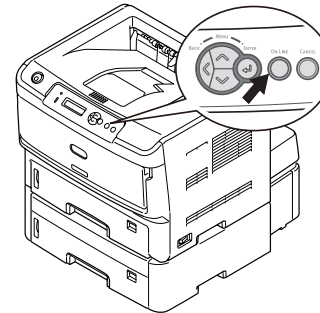
- Reverse the printed paper, and set it as shown in the diagram.

**Memo**

- Print on the reverse side of the single - sided printed paper.
- If there is no data for the reverse side, one side will be left blank, so put it back in the cassette and print in the same order.

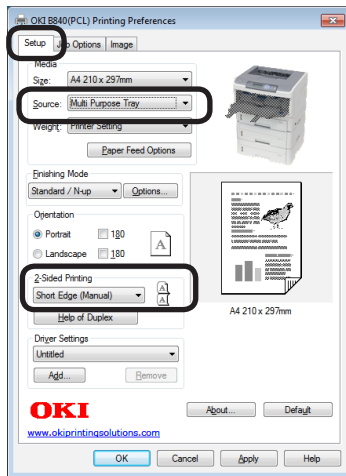


- Press an online button start single - sided printing again.

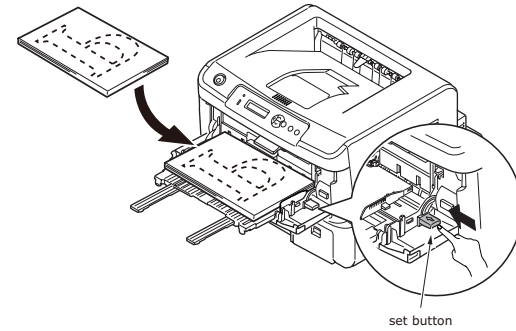


- If using the multipurpose tray

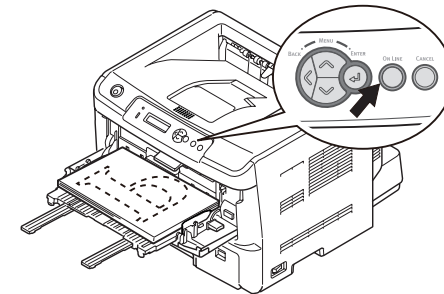
- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].
- ④ Select [Multi Purpose Tray] from [Source] in the [Setup] tab.  
Select Select [Long Edge (Manual) ]or [Short Edge (Manual) ]  
from [2-Sided Printing] and print.



- ⑤ If single sided printing is finished, set the paper as per the diagram and press the Set button.




- ⑥ Press an online button to print the other side.



## Register a form and then print (Form overlay)

### Explanation of Functions

You can register forms, logs, etc., on the printer, and print overlays.

- Memo** • Use the Oki storage manager.  
 Oki Storage Device Manager (P 104)
- Note!** • When using a Windows PS printer driver, computer administrator rights are required.


### Operating environment

The model you are using	B840dn				B820n	
The environment you are using the machine in	Windows		Mac OS X		Windows	Mac OS X
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	×	×	○	×

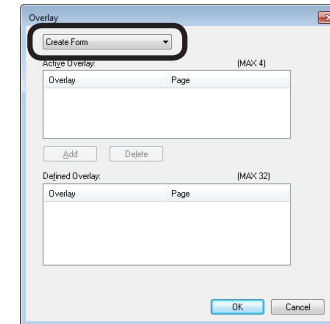
### Method of operation

Those using a Windows PS printer driver

## 1 Create a form

- ① Make [Ports] into [FILE:]  
 Output Print Data to Files (P 64)
- ② Launch the application, and create the form which you want to register on the printer.
- ③ Select [Print] from the [File] menu.
- ④ Click on [Preferences].

- ⑤ Click on [Overlay] in the [Job Options] tab, and select [Create Form].



(Windows XP Screen)

- ⑥ Print Enter the saved file name and select the destination to save to.
- ⑦ Restore the [Ports].

## 2 Register a form with the Oki Storage Device Manager.

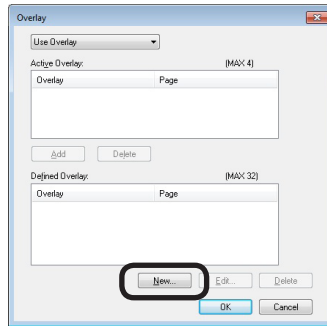
 Oki Storage Device Manager (P 104)

## 3 Register an overlay on the printer driver, and print.

- ① For Windows 8/8.1/Server 2012/2012 R2, select [Control Panel] - [Devices and Printers].  
 For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].  
 For Windows Vista/Windows Server 2008, select [Start] - [Control Panel], and then click on [Printers].  
 For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].  
 For Windows Server 2003, select [Start] - [Printers & Faxes].



- ② Right click the [OKI B840(PS)] icon with your mouse, and select [Printing Preferences].
- ③ Set it to use an overlay.  
Click on [Overlay] on the [Job Options] tab, and select [Use Overlay].
- ④ Click [New].

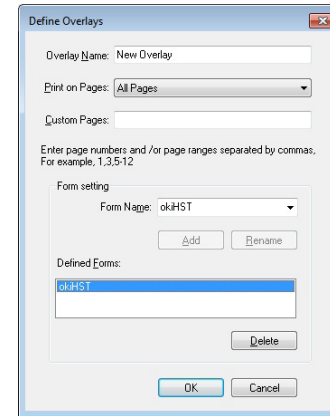


- ⑤ Enter the form name you registered in Oki Storage Manager into [Form Name], and click [Add].

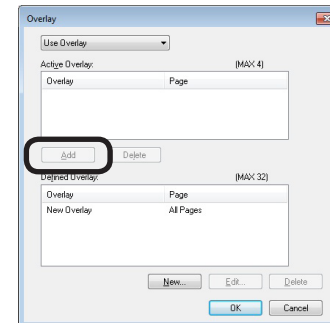
- ⑥ Enter the [Overlay Name] and on [Print on Pages] select the page to which the overlay is to be applied. To set the page and then apply it, select [Custom] and then enter the page to which you want to apply it in [Custom Pages].

**Memo**

- An overlay is a form group. You can register 3 forms on one overlay. The forms and overlays are overlaid on top of one another in the order they are registered.



- ⑦ Click on [OK].
- ⑧ Select the overlay to use from the defined overlay, and click on [Add].



- ⑨ Start a print job.

## Those using a Windows PCL printer driver

**1** Create a form.

- ① Make [Ports] into [FILE:]  
     ➤ Output Print Data to File (P 64)
- ② Launch an application, and create the form which you want to register on the printer.
- ③ Start a print job. Enter the saved file name and select the destination to save to.
- ④ Restore the [Ports].

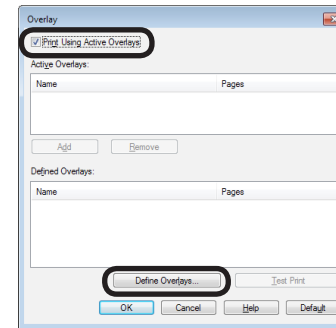
**2** Register a form with the Oki Storage Device Manager.

➤ Oki Storage Device Manager (P 104)

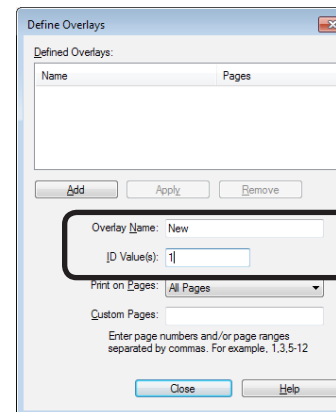
**3** Register an overlay on the printer driver, and print.

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].
- ④ Click on [Vector] in [Print Mode] within the [Job Options] tab.
- ⑤ Click on [Overlay] in the [Job Options] tab.

- ⑥ Put a check in [Print Using Active Overlays] in the Overlay screen, and click on [Define Overlays].



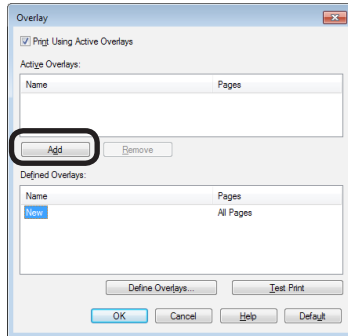
- ⑦ Enter [Overlay Name], and in [ID Value(s)] enter the ID of the form that you registered in Oki Storage Device Manager.

**Memo**

- An overlay is a form group. You can register 3 IDs(form files) in one overlay. The forms and overlays are overlaid on top of one another in the order they are registered.

- ⑧ Select the page you want to apply the overlay to in [Print on Pages]. To set the page and then apply it, select [Custom] and then enter the page to which you want to apply it in [Custom Pages].

- ⑨ Click [Add].
- ⑩ Click [Close].
- ⑪ Select the overlay to use for printing from the defined overlays, and click [Add].



- ⑫ Start a print job.

## Output print data to files

### Explanation of Functions

You can write print data to files and save it.

The saved data can be printed from OKI LPR Utility (if you are using Windows) (P 165).

- Note!**
- When using Windows, computer administrator rights are required.
  - When outputting print data to a file with Windows 7/Windows Vista/Windows Server 2008, you may not be able to access the file set as the output target due to security restrictions. In such a case, you need to set the output target to a folder and file that the printing user can access, such as C:\Users\\Documents.

### Operating environment

The model you are using	B840dn				B820n	
The environment you are using the machine in	Windows		Mac OS X		Windows	Mac OS X
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	○	×	○	×

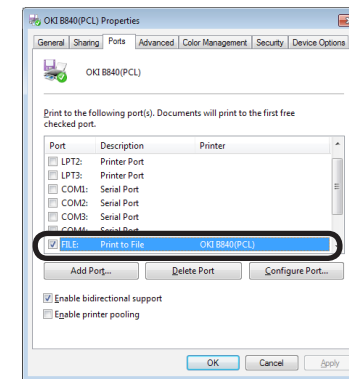
### Method of operation

#### Those using Windows

- ① For Windows 8/8.1/Server 2012/2012 R2, select [Control Panel] - [Devices and Printers].  
For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].  
For Windows Vista/Windows Server 2008, select [Start] - [Control Panel], and then click on [Printers].  
For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].

For Windows Server 2003, select [Start] - [Printers & Faxes].

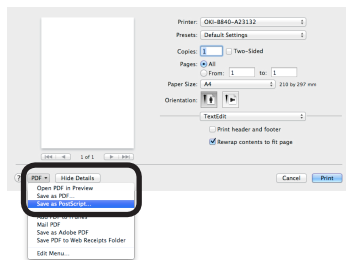
- ② Right click the icon of the printer you are using. Select [Printer properties].
- ③ Select FILE: in [Ports] on the [Port] tab, and click [OK].
- ④ Start a print job. Enter [Output Target File Name] within [Print to File], and then click [OK].



#### For those using a Mac OS X

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.

③ Click on [PDF], and select the destination to save to.



④ Enter the file name you want to save with in [Name], select the destination to save to and click [Save].

## Printing PostScript Errors

### Explanation of Functions

If a PostScript error occurs, you can print the details of the error.

### Operating environment

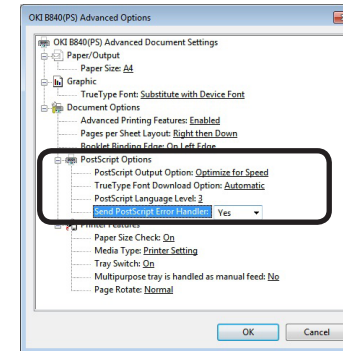
The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	×	○	×	×	×

### Method of operation

Those using a Windows PS printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].
- ④ Click [Advanced] in the [Layout] tab.

- ⑤ On [PostScript Options] - [Send PostScript Error Handler], select [Yes].



# Chapter 4 Printing neatly

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**Note!**

- In this chapter, [WordPad] is used as a an example for Windows and [Text Editor] for Mac OS X.
- The screen or procedure may vary depending on the applicaiton you use.
- Please refer to Online Help for detailed explanations of each setting item for printer drivers and utilities.
- The details may differ from those in this manual if you upgrade the version of printer driver or utility you are using.

## Changing the resolution and then printing

### Explanation of Functions

You can change the resolution and then print.

#### Note!

- If you specify [High Quality] then you may not be able to print complex files. In such a case print it with [Normal]
- This printer carries out print processing on the computer side. If you use a computer with a high processing speed, you can shorten the printing time.

### Operating environment

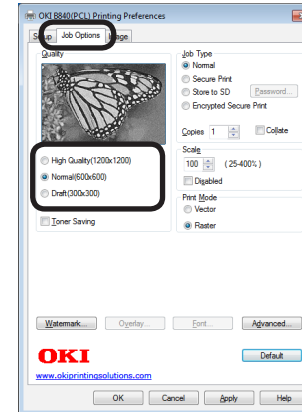
The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	○	○	○	○

### Method of operation

#### Those using a Windows printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].

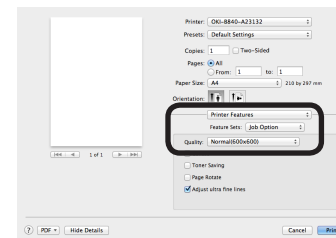
- ④ Select the resolution on [Quality] in the [Job Options] tab.



(The Windows PCL printer driver screen)

#### For those using a Mac OS X PS printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Select the resolution from the [Quality] on the [Job Option] function set on the [Print Features] panel.



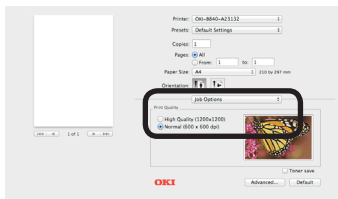


## Memo

- 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 a Mac OS X PCL printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Select the resolution from the [Print Quality] on the [Job Options] panel.



## 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.

## Change the print density

### Explanation of Functions

You can change the print density to five different levels. If small characters may get smudged or if the image data is dense, then set it in the "Light (Minus)" direction. If fine lines may get broken, set it in the "Dense (Plus)" direction.









- Memo** • For Windows, if you put a check in [Adjuster Printer Printing Density] the printer driver settings will be prioritized.



### Operating environment

The model you are using	B840dn				B820n	
The environment you are using the machine in	Windows		Mac OS X		Windows	Mac OS X
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	×	○	×	○	○	○

### Method of operation

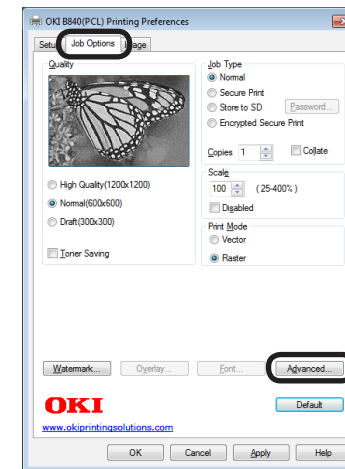
Use the control panel to change.

- Press the  or  button several times. The [MAINTENANCE MENU] will be displayed, and press the  **ENTER** button.
- Press the  or  button several times. [DARKNESS/0] will be displayed, and press the  **ENTER** button.
- Press the  or the  button to display the target value.

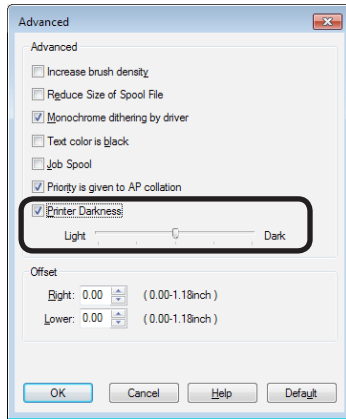
- Press the  **ENTER** button, and a [\*] will appear on the right side of the set value.
- Press the  **Online** button, and [ONLINE] will be displayed.

### Those using a Windows PCL printer driver

- Open the file you want to print.
- Select [Print] from the [File] menu.
- Click on [Preferences].
- Click on [Advanced] in the [Job Options] tab.



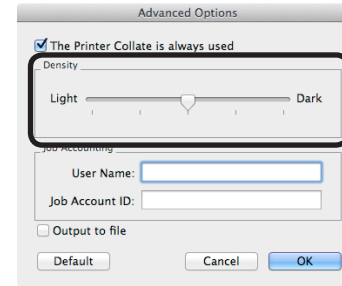
- Put a check in [Printer Darkness] and select the appropriate value.



For those using a Mac OS X PCL printer driver

- Open the file you want to print.
- Select [Print] from the [File] menu.
- Select [Job Options] from the panel menu.
- Click [Advanced].

- Select the appropriate value from [Density].



**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.

## Changing the finish of the printed image

### Explanation of Functions

The overall print result of the image is determined by the print driver settings. Try out various settings until you get the result you want.

### Operating environment

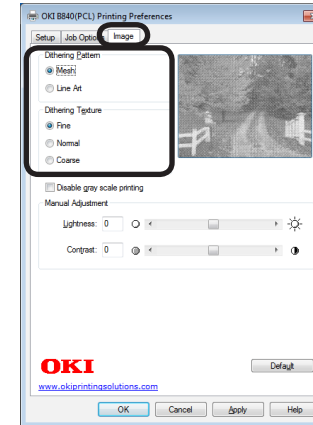
The model you are using	B840dn				B820n	
The environment you are using the machine in	Windows		Mac OS X		Windows	Mac OS X
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	×	○	×	○	○	○

### Method of operation

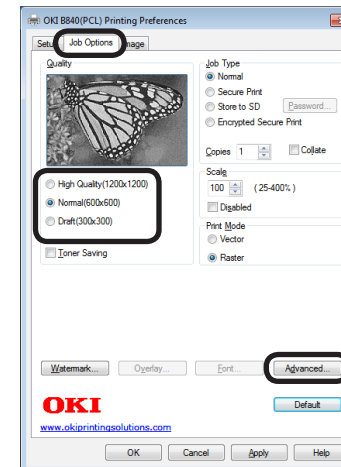
Those using a Windows PCL printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].

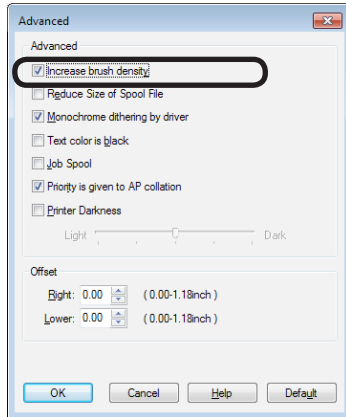
- ④ Change the settings for [Dithering Pattern], [Dithering Texture], and [Manual Adjustment] in the [Image] tab.



- ⑤ Click on [Quality] in the [Job Options] tab.
- ⑥ Click on [Advanced].

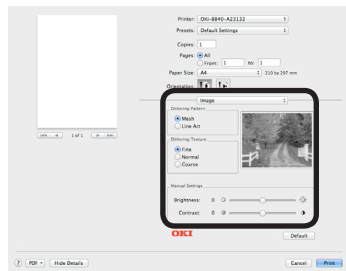


⑦ Change the [Increase brush density].



For those using a Mac OS X PCL printer driver

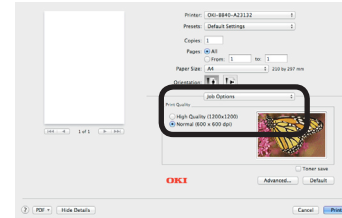
- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Change the [Dithering Pattern], [Dithering Texture], [Brightness] and [Contrast] settings in the [Image] panel.



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.

④ Change the [Print Quality] in the [Job Options] panel.



## Preventing cracks in fine lines

### Explanation of Functions

If you set extra - fine lines from the application, this will prevent the lines from breaking. This function is set to ON as standard.

- Memo**
- Depending on the application, the spaces in bar codes, etc., may become more narrow. In such a case, turn this function to OFF.

### Operating environment

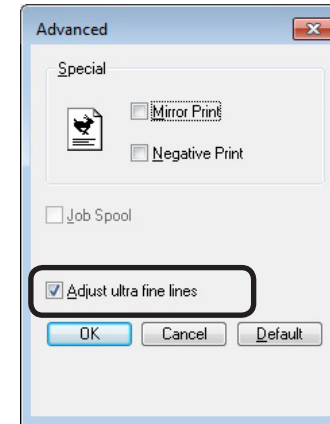
The model you are using	B840dn				B820n	
The environment you are using the machine in	Windows		Mac OS X		Windows	Mac OS X
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	×	○	×	×	×

### Method of operation

#### Those using a Windows PS printer driver

- Open the file you want to print.
- Select [Print] from the [File] menu.
- Click on [Preferences].
- Click on [Advanced] in the [Job Options] tab.

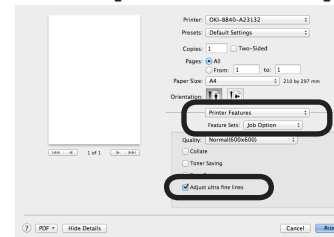
- Put a check in [Adjuster ultra fine lines].



(The Windows XP PS printer driver screen)

#### For those using a Mac OS X PS printer driver

- Open the file you want to print.
- Select [Print] from the [File] menu.
- Put a check in [Adjust ultra fine lines] in the [Job Option] function set within the [Printer Features] panel.



- 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.

# Replace with the printer font and print

## Explanation of Functions

You can replace the TrueType font with the printer internal font and print.

- Note!**
- The font replacement function preserves the appearance of the document, but it does not reproduce the design of the font. If you need to correctly print the design of the font, disable the font replacement function.

## Operating environment

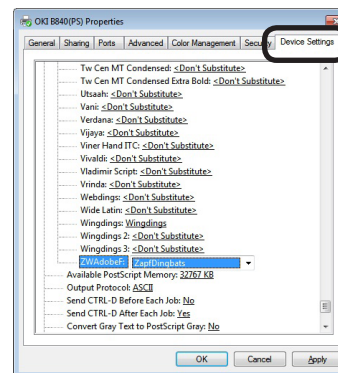
The model you are using	B840dn				B820n	
	Windows		Mac OS X		Windows	Mac OS X
The environment you are using the machine in						
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	×	×	○	×

## Method of operation

### Those using a Windows PS printer driver

- For Windows 8.1/Windows 8/Windows Server 2012 R2/Windows Server 2012, select [Control Panel] - [Hardware and Sound] - [Devices and Printers].  
For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].  
For Windows Vista/Windows Server 2008, select [Start] - [Control Panel], and then click on [Printers].  
For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].  
For Windows Server 2003, select [Start] - [Printers & Faxes]

- Right - click on the (OKI B840(PS)) icon, and select [Properties].
- Replace the TrueType font with the printer font in [Font Substitution Table] within the [Device Settings] tab, and then click [OK].

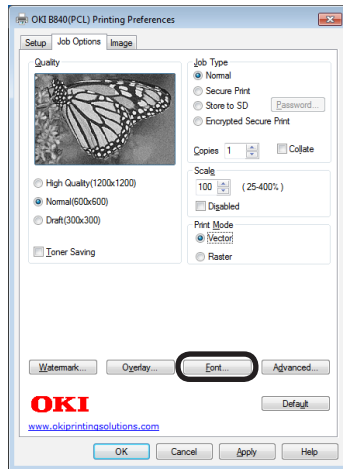


- Open the file you want to print.
- Select [Print] from the application [File] menu.
- Click [Advanced] in the [Layout] tab.
- Select [Substitute with Device Font] in [TrueType Font].
- Start a print job.

### Those using a Windows PCL printer driver

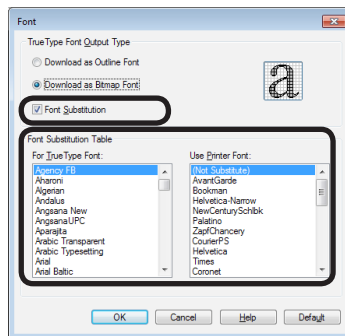
- Open the file you want to print.
- Select [Print] from the [File] menu.
- Click on [Preferences].
- Select [Vector] in [Print Mode] within the [Job Options] tab.

5 Click on [Font].



6 Check [Font Substitution].

7 Select which printer font to replace the TrueType font with in [Font Substitution Table].



8 Start a print job.



# Print using the computer font

## Explanation of Functions

You can output a TrueType font exactly the same as you see it on the screen.

**Note!** • This will make the printing time longer.

## Operating environment

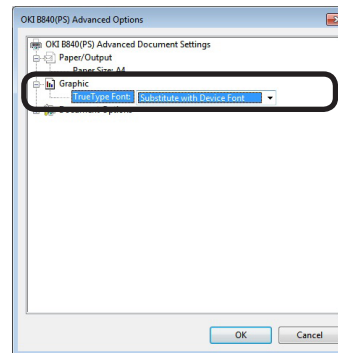
The model you are using	B840dn				B820n	
The environment you are using the machine in	Windows		Mac OS X		Windows	Mac OS X
The type of printer driver	PS Printer Driver	PCL Printer Driver	PS Printer Driver	PCL Printer Driver	PCL Printer Driver	PCL Printer Driver
Can use	○	○	×	×	○	×

## Method of operation

### Those using a Windows PS printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].
- ④ Click [Advanced] in the [Layout] tab.

- ⑤ Select [Substitute with Device Font] in [TrueType Font].

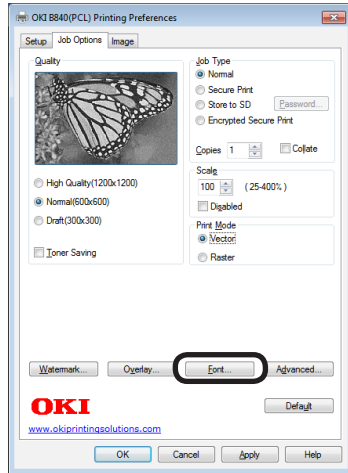


- ⑥ Print.

### Those using a Windows PCL printer driver

- ① Open the file you want to print.
- ② Select [Print] from the [File] menu.
- ③ Click on [Preferences].
- ④ Select [Vector] in [Print Mode] within the [Job Options] tab.

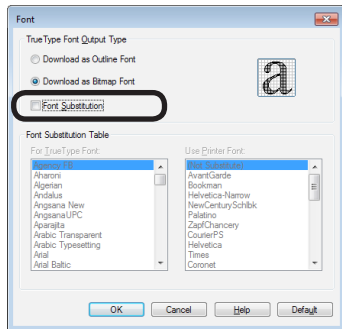
⑤ Click on [Font].



⑥ Un-click on [Font Substitution].

**Memo**

- Download as outline font  
Create a font image on the printer.
- Download as bitmap font.  
Create a font image with the printer driver.



⑦ Start a print job.



# Chapter 5 How to use the control panel

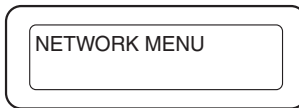
Configure the IP Address.....	80
Change the time it takes to go into power save mode .....	81
Change the time it takes to go into sleep mode .....	82
Cancel a print job .....	85
Check printer internal fonts .....	85
Initializing an SD memory card (optional) .....	86
Check the Free Space in an SD Memory Card (Optional) or Flash Memory .....	89
Enabling parallel interfaces .....	92
Change parallel interface forwarding mode .....	93


## 5 Configure the IP Address

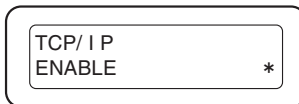
Set the printer's IP address, subnet mask, and gateway address from the printer control panel.



- Note!** • If there is a mistake entered in the IP address, subnet mask, or gateway address, the network may go down or a major fault may arise. Please set your IP address after consulting with your network administrator.

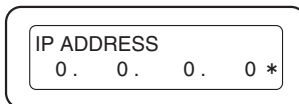
- ① Turn the printer power ON.
- ② Check that [ONLINE] is displayed on the control panel.
- ③ Press the  or the  button several times, and the [NETWORK MENU] will be displayed.





- ④ Press the  **ENTER** button. If [TCP/IP] is set to [DISABLE], change it to [ENABLE].

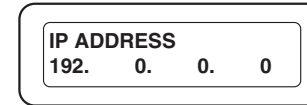



- ⑤ Press the  button several times, select [IP ADDRESS], and press the  **ENTER** button.



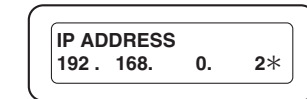
- ⑥ One digit of the IP address will be flashing, and press the  or the  button, and the value you want to set will be displayed.




If you press and hold the button for 2 seconds or longer, it will be sent quickly.



- ⑦ Press the  **ENTER** button. Two digits of the IP address will be flashing.

Repeat steps ⑥ - ⑦ and set all the digits.



- ⑧ Press the  **Back** button.
- ⑨ Press the  button several times, and set the [SUBNET MASK] and [GATEWAY ADDRESS] using the same procedure.
- ⑩ If you have finished configuring the settings, press the  **Online** button. The values set in the printer are saved and the network function is restarted.

If [ONLINE] is displayed in the control panel, then the procedure is complete.








## Change the time it takes to go into power save mode

Set the time it takes to go into power save mode.

The time until print starts may be shorter with longer times to go into power save mode.

After a set period, if data is not received, then the machine goes into power save mode.

- Note!**
- Setting [POWER SAVE] to [DISABLE] and using the machine for long periods of time increases the likelihood of an effect on the life of the components of the machine (such as the fan).

- 1 Press the  button several times, select [SYS CONFIG MENU], and then press the  **ENTER** button.
- 2 As [POW SAVE TIME] is selected, press the  **ENTER** button.
- 3 Press the  or the  button several times, select the time to set, and then press the  **ENTER** button.
- 4 Press the  **Online** button, and [ONLINE] will be displayed.









- Memo**
- If you set [POWER SAVE] in the [MAINTENANCE MENU] to [DISABLE], the machine will not go into power save mode. However, in order to maintain a temperature at which the fuser unit can print, power will still be used. Please turn the printer power OFF when you are not using it.

## Change the time it takes to go into sleep mode

Set the time it takes to go into sleep mode.


If the machine goes into power save mode and does not receive any data within a set time, it will go into sleep mode.

This is the explanation of the procedure to change the time on the control panel.

- ① Press the  button several times, select [SYS CONFIG MENU], and press the  **ENTER** button.
- ② Press the  button, select [SLEEP TIME], and press the  **ENTER** button.
- ③ Press the  or the  button several times, select the time to set, and then press the  **ENTER** button.
- ④ Press the  **Online** button, and [ONLINE] will be displayed.


**Memo** • If you set [SLEEP] in [MAINTENANCE MENU] to [DISABLE], the machine will not go into sleep mode.

### How to get out of sleep mode

In order to get out of sleep mode, either press the  **Online** button or send some print data to the printer through a computer connected via a network or through the USB.

### Restrictions When in Sleep Mode

When the machine goes into sleep mode, the following limits apply to the printer driver and utility functions.

If the printer goes into sleep mode, press the  **Online** button on the control panel, and check that [ONLINE] is displayed.

If [ONLINE] is displayed, the following restriction items apply.

**Note!** • If [PARALLEL] in the [PARALLEL MENU] is set to [ENABLE], the printer cannot go into sleep mode.

### Those using Windows

Software Name	Restrictions When in Sleep Mode	Methods of dealing with it other than pressing the Online button
Network Extension	Cannot connect to the machine.	-
Network Card Setup	Cannot search the machine or adjust settings.	-
PrintSuperVision	Cannot monitor consumables or the number of pages printed, etc.	-
Oki Storage Device Manager	If the printer is connected via a parallel interface, printer searching and setting configuration cannot be done.	Connect to a network or a USB printer.
Web Driver Installer	<ul style="list-style-type: none"> <li>• When installing a driver, you cannot automatically get printer option information.</li> <li>• You cannot manually register the printer on a WDI server.</li> </ul>	-

Software Name	Restrictions When in Sleep Mode	Methods of dealing with it other than pressing the Online button
Driver Installer	<ul style="list-style-type: none"> <li>If there is a connection with the network, you cannot get printer option information automatically when the driver is being installed.</li> </ul>	-

#### Those using Macintosh

Software Name	Restrictions When in Sleep Mode	Methods of dealing with it other than pressing the Online button
Printer Drivers	You cannot print if connected with AppleTalk.	Connect to a printer with TCP/IP or USB.
Network Card Setup	Cannot search the machine or adjust settings.	-
MicrolinePS Utilities	You cannot print if connected with AppleTalk.	-

#### ■ Sleep mode network function restriction items

In sleep mode, the following constraints apply to network functions.

##### • Cannot go into sleep mode.

- 1) If IPsec is activated.
- 2) If NetBEUI is activated.
- 3) If NetWare is activated.
- 4) If EtherTalk is activated.
- 5) If a TCP connection is being established.

E.g.: If establishing a connection with telnet or ftp.

In Power Save Mode, after some time passes and it goes to sleep, if the connection is broken it will go into sleep mode.

If you want to activate sleep mode, please deactivate IPsec/NetBEUI/NetWare/EtherTalk.

##### • Cannot Print

In sleep mode, you cannot print with the following protocols.

- 1) NetBEUI
- 2) NBT
- 3) NetWare
- 4) EtherTalk \*1
- 5) Bonjour \*1

\*1 When using Mac OS X, you can print while in sleep mode with an IP Print connection.

##### • Cannot Search/Change Settings

In sleep mode, you cannot search or change settings with the following functions/protocols.

- 1) PnP - X
- 2) UPnP
- 3) Bonjour
- 4) LLTD
- 5) FLDP
- 6) ODNSP
- 7) JCP
- 8) MIB \*2

\*2 You can refer to part of MIB while in sleep mode (Get Comment).

- Protocols with the client function do not work

- 1) Email alert \*3
- 2) SNMP Trap
- 3) WINS\*4
- 4) Sntp

\*3 This does not include intervals between times of regular notifications when some time has passed in sleep mode.

\*4 This does not include intervals between WINS updates when some time has passed in sleep mode.

In order to carry out regular WINS updates in sleep mode, the names registered on the WINS server may be deleted.

- Protocols that need to have sleep mode deactivated to be used

When using the following protocols, deactivate sleep mode.

- 1) IPv6
- 2) NetBEUI
- 3) NetWare
- 4) EtherTalk

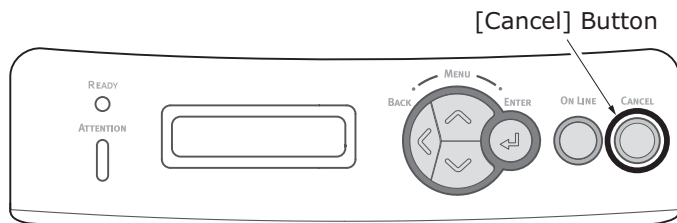


## Cancel a print job

You can cancel data that is being processed by the printer.

- Note!** • You cannot cancel jobs that have started to print.

- 1 Press the Cancel button on the printer's operating panel to cancel a print job.







- Memo** • If the printer is connected to a computer using a USB, and if you cannot print normally after having cancelled a print job from the computer, remove and reinsert the USB cable, or turn the printer power OFF (O)/ON (I).

## Check printer internal fonts

The printer will print its internal font name as standard.

- Note!**
- If you are printing on paper other than A4, it may be that not all of the contents will be printed out.
  - You cannot print if [Local Print] in Print Control Server is set to [Cannot Print] or [Cannot Print in Color].

- 1 Set A4 paper in the tray.
- 2 Press the  button several times, select [INFORMATION MENU], and press the  **ENTER** button.
- 3 Press the  button several times, select [PRINT PSE FONT/EXECUTE], [PRINT PCL FONT/EXECUTE], or [PRINT PPR FONT/EXECUTE], [PRINT FX FONT/EXECUTE] and press the  **ENTER** button.

## ■ Initializing an SD memory card (optional)

You can return SD cards to their initialized state.

An SD memory card on B840dn is divided into three partitions ([PS], [PCL], and [Common]), and into two partitions on B820n ([PCL] and [Common]).




- Memo**
  - [PS] (B840dn only)  
This is a PostScript mode form storage area.
  - [PCL]  
This is a PCL mode form storage area.
  - [Common]  
This is an area that stores jobs registered to Encrypted Authenticated Print, Authenticated Print, Save to Printer and errors.

- Note!**
  - If you initialize an SD memory card, the following contents will be deleted.  
Please carefully check whether it is ok to initialize the card.  
Data registered in Encrypted Authenticated Print, Authenticated Print, Save to Printer  
Registered forms  
Error Logs






- Memo**
  - You can also format just a particular partition.
  - If a printer has already been added in print control server, it is necessary to delete all print control server related information from the printer SD memory card in print control server prior to initializing the SD memory card. In order to do this, finish log acquisition, and delete the printer in print control server.

SD memory card initialization can also be carried out on the Oki Storage Device Manager (Windows).




### ■ Initializing an SD memory card















- ① Set [PRINT STATISTICS]–[USAGE REPORT] on the aggregation result menu to [DISABLE].
  -  Setup Instructions, Chapter 2: Basic Operation - List of the PRINT STATISTICS
- ② Turn off the power to the printer.
  -  Setup Instructions, Chapter 1: Setting Up - Turning Off the Printer
- ③ Hold the  **ENTER** button down on the printer control panel in order to turn the power on.

- Note!**
  - Press and hold the  **ENTER** button.

- ④ When [ADMIN MENU] is displayed in the control panel, release the  **ENTER** button.
- ⑤ Press the  **ENTER** button and [ENTER PASSWORD] will be displayed. Press the  or  button several times to display the first digit of the password, and press the  **ENTER** button.  
Use the same procedure to enter characters 6 - 12 of the password.














- Memo**
  - The default password is "aaaaaa".















- ⑥ Press the  or  button several times, select [FILE SYS MAINT2], and press the  **ENTER** button.

- ⑦ Press the  or the  button several times, select [INITIAL LOCK], and press the  **ENTER** button.
- ⑧ Press the  or the  button several times, select [NO], and press the  **ENTER** button.
- ⑨ Press the  **Back** button, and [FILE SYS MAINT2] will be displayed.
- ⑩ Press the  button once, select [FILE SYS MAINT1], and press the  **ENTER** button.
- ⑪ [SD INITIALIZE] will be displayed, and press the  **ENTER** button.
- ⑫ [ARE YOU SURE? YES/NO] will be displayed. Press the  button several times and select [YES], then press the  **ENTER** button.
- ⑬ [EXECUTE NOW? YES/NO] will be displayed. Press the  button several times, and select [YES], then press the  **ENTER** button.

Start initialization of the SD memory card. The printer will automatically restart. Initialization will be complete when [ONLINE] is displayed in the control panel.

## ■ Formatting a particular partition

- ① Set [PRINT STATISTICS]–[USAGE REPORT] on the aggregation result menu to [DISABLE].
  - Setup Instructions, Chapter 2: Basic Operation - List of the PRINT STATISTICS
- ② Turn off the power to the printer.
  - Setup Instructions, Chapter 1: Setting Up - Turning Off the Printer
- ③ Hold the  **ENTER** button down on the printer control panel in order to turn the power on.
  - Note!** • Press and hold the  **ENTER** button.
- ④ When [ADMIN MENU] is displayed in the control panel, release the  **ENTER** button.
- ⑤ Press the  **ENTER** button and [ENTER PASSWORD] will be displayed. Press the  or  button several times to display the first digit of the password, and press the  **ENTER** button. Use the same procedure to enter characters 6 - 12 of the password.
  - Memo** • The default password is "aaaaaa".
- ⑥ Press the  or  button several times, select [FILE SYS MAINT2], and press the  **ENTER** button.
- ⑦ Press the  or the  button several times, select [INITIAL LOCK], and press the  **ENTER** button.

- ⑧ Press the  or the  button several times, select [NO], and press the  **ENTER** button.
- ⑨ Press the  **Back** button, and [FILE SYS MAINT2] will be displayed.
- ⑩ Press the  button once, select [FILE SYS MAINT1], and press the  **ENTER** button.
- ⑪ Press the  button once, select [SD FORMATING], and press the  **ENTER** button.
- ⑫ Press the  button several times, select the partition you want to format (PCL/COMMON/PS (B840dn only)), and press the  **ENTER** button.
- ⑬ [ARE YOU SURE? YES/NO] will be displayed. Press the  button several times and select [YES], then press the  **ENTER** button.
- ⑭ [EXECUTE NOW? YES/NO] will be displayed. Press the  button several times, then press the  **ENTER** button.

Start the partition formatting. The printer will automatically restart.

Initialization will be complete when [ONLINE] is displayed in the control panel.

## Check the Free Space in an SD Memory Card (Optional) or Flash Memory

There are several ways to check the free space in an SD memory cards (optional) or flash memory.

### ■ For SD memory cards

#### • Delete Unwanted Data from an SD Memory Card

Delete data left in the [Common] partition of an SD memory card. Print data specifying authenticated print jobs and encrypted authenticated print jobs is left behind in the [Common] partition.

- ☞ Print after entering a password (Secure Print) (P 52)
- ☞ Print secret or important documents (Encrypted Secure Print) (P 54)

**Memo** • This does not change the free space in thePS (B840dn only) and PC partitions.

#### • Change the size of SD memory card partitions

By reducing the size of partitions that you do not use, you can free up space in your target partition.

**Note!** • Changing the size of a partition will delete the following. Please check if it is ok to delete these.  
Data registered with Encrypted Secure Print and Secure Print  
Registered forms  
Error Logs

**Memo** • If the printer has already been added to print control server, prior to changing the size of the partition, it is necessary to delete all print control server related information. In order to do this, finish log acquisition, and delete the printer from print control server.

• You can use the Oki Storage Device Manager (Windows) to free up space.


☞ Oki Storage Device Manager (P 104)


① Set [PRINT STATISTICS]–[USAGE REPORT] on the aggregation result menu to [DISABLE].

☞ Setup Instructions, Chapter 2: Basic Operation - List of the PRINT STATISTICS





② Turn off the power to the printer.

☞ Setup Instructions, Chapter 1: Setting Up - Turning Off the Printer

③ Hold the  **ENTER** button down on the printer control panel in order to turn the power on.




















**Note!** • Press and hold the  **ENTER** button.

④ When [ADMIN MENU] is displayed in the control panel, release the  **ENTER** button.



⑤ Press the  **ENTER** button and [ENTER PASSWORD] will be displayed. Press the  or  button several times to display the first digit of the password, and press the  **ENTER** button.

Use the same procedure to enter characters 6 - 12 of the password.

**Memo** • The default password is "aaaaaa".

- ⑥ Press the  or the  button several times, select [FILE SYS MAINTEN2], and press the  **ENTER** button.
- ⑦ Press the  or the  button several times, select [INITIAL LOCK], and press the  **ENTER** button.
- ⑧ Press the  or the  button several times, select [NO], and press the  **ENTER** button.
- ⑨ Press the  **Back** button, and [FILE SYS MAINTEN2] will be displayed.
- ⑩ Press the  button once, select [FILE SYS MAINTEN1], and press the  **ENTER** button.
- ⑪ Press the  button several times, and [PARTITION SIZE] will be displayed.
- ⑫ Press the  or the  button several times, select the partition which you want to change the size of, and press the  **ENTER** button.
- ⑬ Press the  or the  button several times to display the item you want to set, and press the  **ENTER** button.

**Memo** • If you change the size of the PCL partition, the size of the Common partition will also change. Changing the Common and PS partition sizes is the same.




- ⑭ [ARE YOU SURE? / YES] will be displayed. Press the  button several times and select [YES], and then press the  **ENTER** button.  
The printer will restart automatically.  
Initialization will be complete when [ONLINE] is displayed in the control panel.

#### ■ For flash memory


##### • Initializing flash memory





You can return SD cards to their initialized state.

**Note!** • If you initialize a flash memory card, the following contents will be deleted. Please check if it is ok to delete these.




- ① Set [PRINT STATISTICS]–[USAGE REPORT] on the aggregation result menu to [DISABLE].
  -  Setup Instructions, Chapter 2: Basic Operation - List of the PRINT STATISTICS
- ② Turn off the power to the printer.
  -  Setup Instructions, Chapter 1: Setting Up - Turning Off the Printer
- ③ Hold the  **ENTER** button down on the printer control panel in order to turn the power on.

**Note!** • Press and hold the  **ENTER** button.

④ When [ADMIN MENU] is displayed in the control panel, release the  **ENTER** button.


⑤ Press the  **ENTER** button and [ENTER PASSWORD] will be displayed. Press the  or  button several times to display the first digit of the password, and press the  **ENTER** button. Use the same procedure to enter characters 6 - 12 of the password.



**Memo** • The default password is "aaaaaa".



⑥ Press the  or  button several times, select [FILE SYS MAINT2], and press the  **ENTER** button.



⑦ Press the  or the  button several times, select [INITIAL LOCK], and press the  **ENTER** button.

⑧ Press the  or  button several times, select [NO], and press the  **ENTER** button.

⑨ Press the  **Back** button, and [FILE SYS MAINT2] will be displayed.

⑩ Press the  button once, select [FILE SYS MAINT1], and press the  **ENTER** button.

⑪ Press the  button several times, select [FLASH INITIALIZE / EXECUTE], and press the  **ENTER** button.

⑫ [ARE YOU SURE? / YES] will be displayed. Press the  button several times and select [YES], and then press the  **ENTER** button.












Start initialization of the flash memory card. The printer will automatically restart.

Initialization will be complete when [ONLINE] is displayed in the control panel.

## Enabling parallel interfaces

The default setting for parallel interfaces is disabled. If printing using a parallel interface, enable it on the control panel.

- Note!** • If parallel interfaces are enabled the printer cannot go into sleep mode. In such a case, the power used will be higher than international ENERGY STAR Program standards.












- ① Press the  or  button several times. The [PARALLEL MENU] will be displayed, and press the  **ENTER** button.
- ② Press the  or  button several times. [PARALLEL] will be displayed, and press the  **ENTER** button.
- ③ Press the  or the  button, and [ENABLE] will be displayed.
- ④ Press the  **ENTER** button, and a [\*] will appear on the right side of the set value.
- ⑤ Press the  **Online** button, and [ONLINE] will be displayed.
- ⑥ Turn the printer power OFF (○) /ON ( I ).  
 Setup Instructions, Chapter 1: Setting Up - Turning Off the Printer














## Change parallel interface forwarding mode

You can change it if the computer and forwarding mode are aligned.

### ■ Disable Bi - Directional Centro

- 1 Press the  or  button several times. The [PARALLEL MENU] will be displayed, and press the  **ENTER** button.
- 2 Press the  or  button several times. The [PARALLEL/ENABLE] will be displayed, and press the  **ENTER** button.
- 3 Press the  or the  button several times, and [DISABLE] will be displayed.
- 4 Press the  **ENTER** button, and a [\*] will appear on the right side of the set value.
- 5 Press the  **Online** button, and [ONLINE] will be displayed.
- 6 Turn the printer power OFF (○) /ON ( | ).  
 Setup Instructions, Chapter 1: Setting Up - Turning Off the Printer

### ■ Disable ECP

- 1 Press the  or  button several times. The [PARALLEL MENU] will be displayed, and press the  **ENTER** button.
- 2 Press the  or  button several times. [ECP/ENABLE] will be displayed, and press the  **ENTER** button.
- 3 Press the  or the  button several times, and [DISABLE] will be displayed.
- 4 Press the  **ENTER** button, and a [\*] will appear on the right side of the set value.
- 5 Press the  **Online** button, and [ONLINE] will be displayed.
- 6 Turn the printer power OFF (○) /ON ( | ).  
 Setup Instructions, Chapter 1: Setting Up - Turning Off the Printer

(MEMO)

# Chapter 6 Useful Utilities (Windows)

Explanation of Utilities .....	96
Configuration Tool .....	97
Oki Storage Device Manager.....	104
PS Gamma Adjuster.....	109
Deleting Utilities .....	112

## Explanation of Utilities

We explain here utilities that make the Windows environment you are using more convenient.

Utility Name	Function	Model supported	Storage location	Reference page
Configuration Tool	You can check the printer network settings and status. IP you can change the IP address.	B840 B820	Software DVD - ROM	97
Oki Storage Device Manager	This is a utility for configuring printer flash memory settings, and registering and deleting form data.	B840 B820	Software DVD - ROM	104
PS Gamma Adjuster	You can adjuster the printer half - tone density and the print density of photos.	B840	Software DVD - ROM	109
Web browser	You can configure the printer menu or network settings remotely on the web screen.	B840 B820	—	121
OKI LPR Utility	You can print, manage print jobs, and check the printer status through a network connection.	B840 B820	Software DVD - ROM	165
Network Extension	You can check setting items from the printer driver and set the composition of printer options.	B840 B820	Software DVD - ROM	173
Network Card Setup	You can check the printer network settings and status. IP you can change the IP address.	B840 B820	Software DVD - ROM	176

Utility Name	Function	Model supported	Storage location	Reference page
TELNET	You can use TELNET to set printer network settings.	B840 B820	—	184
PrintSuperVision	This is a web - based application which manages printers connected to the network. You can use this to check setting information and information on consumables for multiple printers.	B840 B820	You can download this from the Oki Data web-page.	—
Web Driver Installer	This is a web application that is installed on the client computer, and which can be used to view printers connected to the network and download printer driver installed modules.	B840 B820	You can download this from the Oki Data web-page.	—
Print Job Accounting	Different restrictions on printing can be set depending on the print jobs from computer by users, and print information can be captured as records.	B840 B820	You can download this from the Oki Data web-page.	—
Print Job Accounting Client	To use Print Control Server to recognize users, Job Account ID can be configured on the printer driver.	B840 B820	You can download this from the Oki Data web-page.	—

# Configuration Tool

Configuration Tool is a utility that can be used to display printer information, change printer settings, and manage printers.

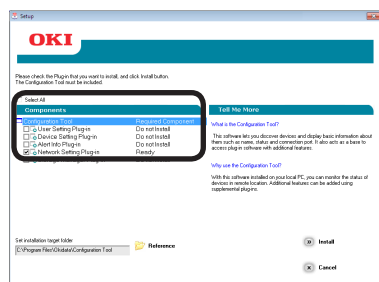
## Operating environment

Windows 8.1/Windows 8/Windows Server 2012/Windows Server 2012 R2/Windows 7/Windows Vista/Windows Server 2008/Windows Server 2008 R2/Windows XP/Windows Server 2003 and with Internet Explorer 6.0 or higher installed

- Note!**
- For setup, computer administrator rights are required.
  - You may not be able to use a part of the functions, depending on your user settings. In such a case, log in as the computer administrator.

## How to install

- ① Set the Software DVD - ROM in the drive.
- ② Click [Optional Software] - [Configuration Tool].
- ③ Select the plugin to install.



### Memo

- Network Setting Plugin  
Configure IP settings or reset the printer and display the webpage.
- Install and add on the Plug - in menu.
- You can install additional plugins later.

- ④ Set the folder you wish to save to.
- ⑤ Click on [Install].
- ⑥ If [Installation is completed.] is displayed, click [Close].

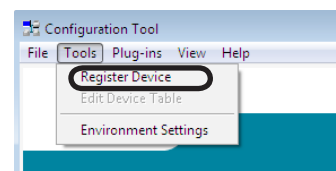
If the restart screen is displayed, follow the instructions on the screen to restart the computer.

## Main methods of use

- When first launching/ when first adding a printer

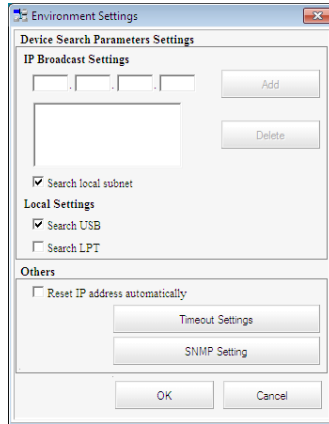
When using the Configuration Tool for the first time or when introducing a printer for the first time, register the printer in Configuration Tool.

- ① Select [Start] - [All Programs] - [Okidata] - [Configuration Tool] - [Configuration Tool].
- ② Select [Register Device] in the [Tools] menu, and search for printers that can be registered.

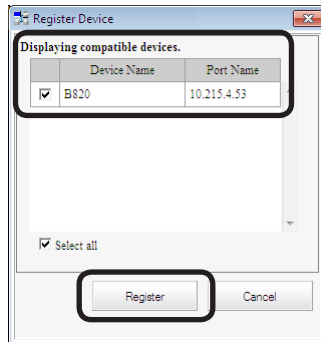


**Memo**

- In order to change the range in which you are searching for the printer you are using, select [Environment Settings] in the [Tools] menu.  
Enter the range you want to search and click [OK].



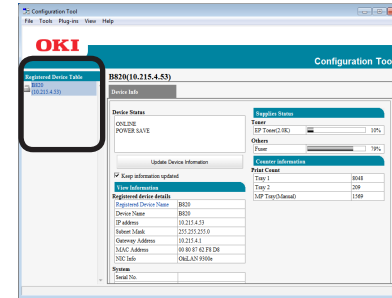
- Put a check in the printers you want to configure settings for or to manage, and click on [Register].



- Either click on the  on the upper right or click on [Cancel] to close the [Register Device] screen.

Reference printer information

- Click on the printer from [Registered Device Table] for which you want to see information.



- The printer status and printer information are displayed.

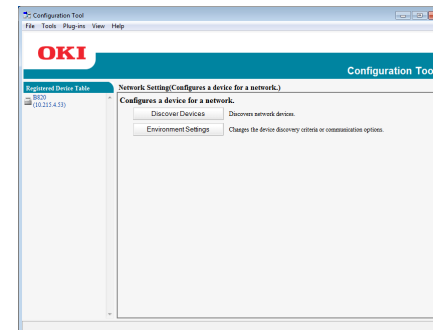
**Memo**

- If you want to update information, click on [Update Device Information].
- The device status is displayed if the printer is connected to a network.

Network Setting Menu

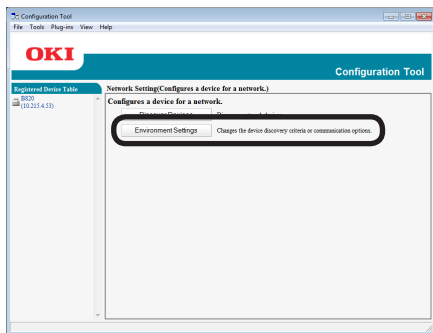
This is displayed if the Network Setting Plugin is displayed. You can set the IP address for the printer you are using, enable/disable device settings (Web), and set the website display settings.

- Click [Network Setting] within [Plug-ins] in the menu. The Network Setting main screen is displayed.



- Search for the machine on the network

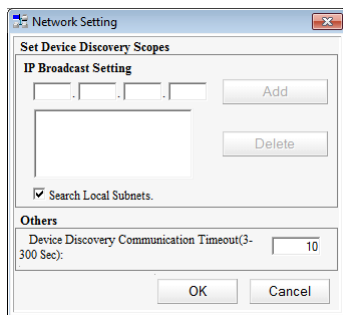
① Click on [Environment Settings].



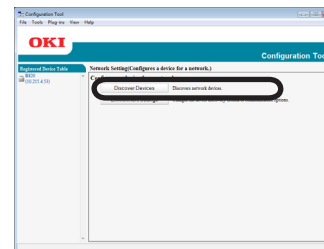
② Enter the search conditions and click [OK].

**Memo**

- You can enter up to 16 IP addresses.
- You can search for devices on the same segment by putting a check in [Search Local Subnets].
- If searching for individual printers you can add the IP address of the printer you are searching for.

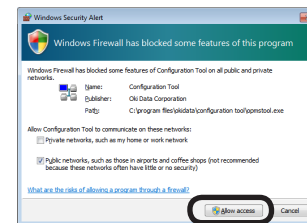


③ You can start searching for printers on the network with [Discover Devices].



**Memo**

- If at the time of searching on Windows 7/Windows Vista/Windows Server 2008/Windows Server 2008 R2/Windows XP/Windows Server 2003 there is a message displayed saying [Windows Security Alert], click [Allow access].



④ Printers connected to the network are found, and select the printer you want to configure from the list.

• Configure printer network settings

① Refer to the IP address or the MAC address from the list, and select the printer you would like to configure.

Network Setting (Configures a device for a network.)  
Selects a device to configure it for a network.

Status	Device Name	IP Acquisition Method	IP Address	MAC Address	Subnet Mask	Default Gateway	Network Card Setup Model Name	Network Card Setup Program Version	Det
●	B820	Manual	192.168.0.2	01:23:45:62:F8:D8	255.255.255.0	192.168.0.1	OkLAN 9300e	01.10	

**Memo**

- The MAC address will be displayed in Network Information. (Setup Instructions)
- For initial configuration, the method of obtaining IP addresses is [DHCP/BOOTP]. If there is a DHCP/BOOTP server on the network, the IP address obtained from the network will be displayed.

② Click the  [Device Settings] icon.

Network Setting (Configures a device for a network.)  
Selects a device to configure it for a network.

Status	Device Name	IP Acquisition Method	IP Address	MAC Address	Subnet Mask	Default Gateway	Network Card Setup Model Name	Network Card Setup Program Version	Det
●	B820	Manual	192.168.0.2	01:23:45:62:F8:D8	255.255.255.0	192.168.0.1	OkLAN 9300e	01.10	

③ Enter the required items and click on [OK].

Network Setting

**IP Acquisition Method**

Manual  
 Auto  
 DHCP/BOOTP

**Details**  
Please enter the IP address, subnet mask and default gateway address.

IP Address: 192 . 168 . 0 . 2  
 Subnet Mask: 255 . 255 . 255 . 0  
 Default Gateway Address: 192 . 168 . 0 . 1

**Device Settings(Web)**  
 Device Settings(Web) Enable

OK Cancel

④ Enter the password in [Password] and then click [OK].

Network Setting

**Enter the password.**

Password: ●●●●●●

OK Cancel

**Memo**

- On the first time the password is the last 6 digits of the referenced MAC Address. In this example, it is 62F8D8.
- When entering the password, [●●●●●●] will be displayed on the screen.
- When entering the password, please make sure that you enter upper and lower - case letters correctly.

⑤ Configure the details you entered in ③ on the printer, and register them on the Configuration Tool.

- When registration on the Configuration Tool is finished, the following message will be displayed.

Network Setting

**i** The device was configured successfully, being added to the Configuration Tool database.

OK

- If the configured printer has already been registered in Configuration Tool, the following message will be displayed, and just update Configuration Tool information.

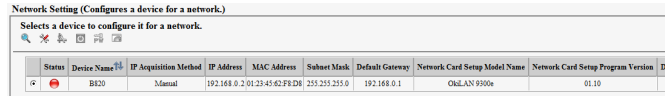
Network Setting

**i** The device was configured successfully, being updated to the Configuration Tool database.

OK



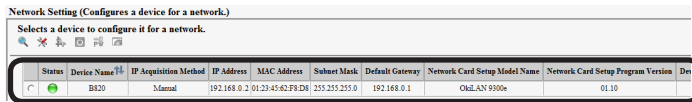
- ⑥ Click on [OK] to initiate restarting of the printer, and the configured printer status will turn ● (Red) (it is normally ● (Green)).



- ⑦ When restarting of the printer has finished, the configured printer status will turn ● (Green).

### • Configure web settings

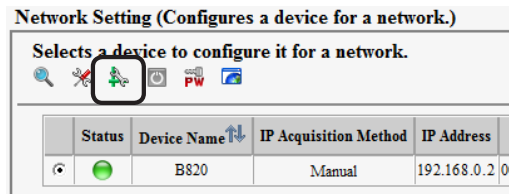
- ① Refer to the IP address or the MAC address from the list, and select the printer you would like to configure.



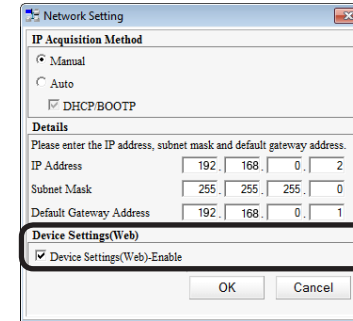
**Memo**

- The MAC address will be displayed in Network Information. (Setup Instructions)
- For initial configuration, the method of obtaining IP addresses is [DHCP/BOOTP] . If there is a DHCP/BOOTP server on the network, the IP address obtained from the network will be displayed.

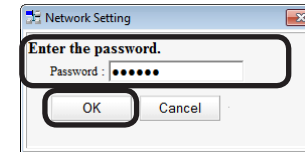
- ② Click the  [Device Settings] icon.



- ③ Put a check in [Device Settings(Web)-Enable] and click on [OK].



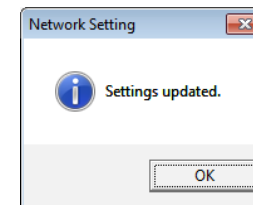
- ④ Enter the password in [Password] and then click [OK].



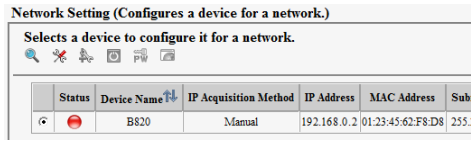
**Memo**

- On the first time the password is the last 6 digits of the referenced MAC Address. In this example, it is 62F8D8.
- When entering the password [●●●●●●] will be displayed on the screen.
- When entering the password, please make sure that you enter upper and lower - case letters correctly.

- ⑤ If you configured the settings correctly, the following screen will be displayed.



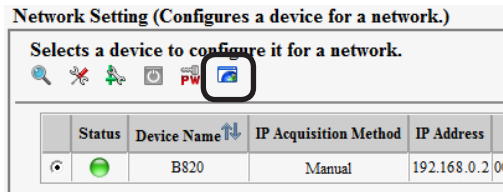
- ⑥ Click on [OK] to initiate restarting of the printer, and the configured printer status will turn ● (Red) (it is normally ● (Green)).



- ⑦ When restarting of the printer has finished, the configured printer status will turn ● (Green).

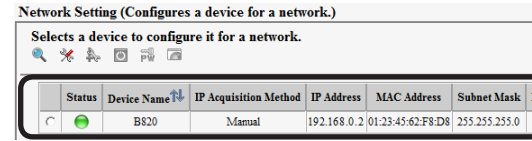
• Display the webpage

- ① You can display the webpage for the selected printer by clicking the [Display Web Page] icon.



• Change network password

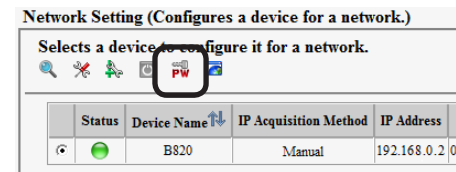
- ① Refer to the IP address or the MAC address from the list, and select the printer you would like to configure.



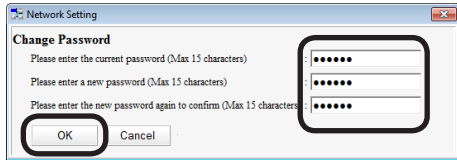
**Memo**

- The MAC address will be displayed in Network Information. (Setup Instructions)
- For initial configuration, the method of obtaining IP addresses is [DHCP/BOOTP]. If there is a DHCP/BOOTP server on the network, the IP address obtained from the network will be displayed.

- ② Click the [Change Password] icon.



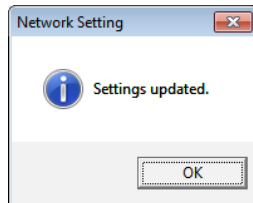
- ③ Enter the current password and new password and click [OK].



Memo

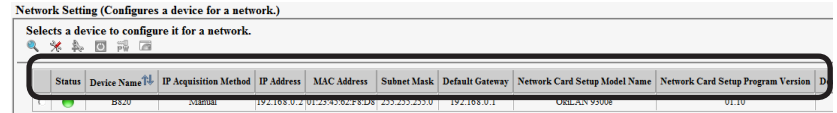
- On the first time the password is the last 6 digits of the referenced MAC Address. In this example, it is 62F8D8.
- When entering the password, [●●●●●●] will be displayed on the screen.
- When entering the password, please make sure that you enter upper and lower - case letters correctly.

- ④ If you configured the settings correctly, the following screen will be displayed.



- Change the order in which printer information is displayed

By clicking on the following fields, the information will be reordered based on the values in each of the fields you click: Status, Device Name, IP Acquisition Method, IP Address, MAC Address, Subnet Mask, Default Gateway, Network Card Setup Model Name, Network Card Setup Program Version, Device Web Page Enable/Disable.



## Oki Storage Device Manager

This is a utility for configuring printer flash memory settings, and registering and deleting form data.

- Note!** • OKI Storage Device Manager is stored on the Software DVD - ROM.

### Operating environment

Computers running Windows 8.1/Windows 8/Windows Server 2012/Windows Server 2012 R2/Windows 7/Windows Vista/Windows Server 2008/Windows Server 2008 R2/Windows XP/Windows Server 2003  
Having InternetExplorer 6.0 or higher installed

### Install

- 1 Set the Software DVD - ROM in the drive.

### Main methods of use

#### Launching the Utility

- 1 Select [Start] - [All Programs] - [Okidata] - [Oki Storage Device Manager] - [Oki Storage Device Manager].

#### Registering Form

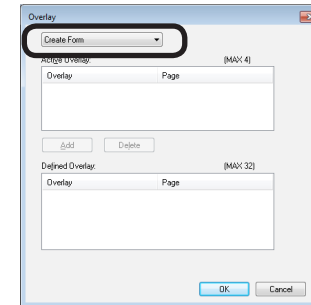
- 1 Make [Ports] into [FILE:].  
 ➤ Output Print Data to File (P 64)
- 2 Launch the application, and create the form which you want to register on the printer.

- 3 Select [Print] from the [File] menu.

If you are using a PCL print driver, move to ⑦ .

- 4 Click on [Preferences].

- 5 Click [Overlay] in the [Job Options] tab, and select [Create Form].



- 6 Click [OK] twice and click [Print].

- 7 Enter the file save name and select the destination to save to.

- 8 Restore the [Ports].

- 9 Launch the Oki Storage Device Manager.

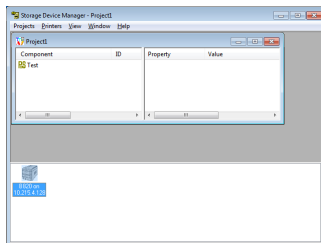
- 10 Select a connected port on the [SDM - Printer Discovery] screen, and click [Start].

- 11 Click [Exit].

- 12 Select [New Project] from the [Projects] menu.

- ⑬ Select [Add File to Project] from the [Projects] menu, and select the created form.

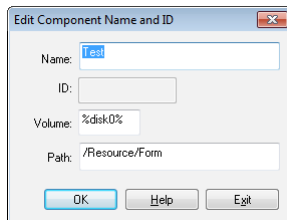
The form file is added to the project.



- ⑭ Double click on the form file added to the project, enter a number of your choice into [ID], and then click [OK].

**Memo** • When using the Windows PS printer driver, enter [Name].

**Note!** • When using a PS printer driver and if an SD memory card is inserted, change the volume from "%disk0%" to "%flash0%". In other cases do not change the volume name or password.



- ⑮ Select the lower window, and select [Send Project Files to Printer] from the [Projects] menu. The form file is registered on the printer.
- ⑯ On the completion screen, click on [OK].
- ⑰ Close the Oki Storage Device Manager.

- Check the Free Space in SD Memory Cards (Optional) or or Flash Memory

- ① Launch the Oki Storage Device Manager.

Launching (P 104)

- ② On the [SDM - Printer Discovery] screen, select the port connected to the printer and click [Start].

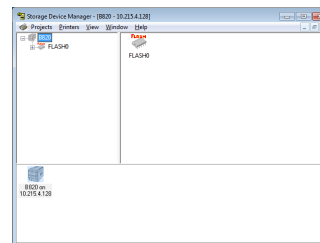
- ③ Click [Exit].

- ④ Select the printer in the lower window and select [Show Resource] from the [Printers] menu.

- ⑤ In the case of using an SD memory card select [SD0] and in the case of flash memory, select [FLASH0].

**Memo** • If there is no SD memory card inserted, [SD0] will not be displayed.

- ⑥ Select [Details] from the [View] menu.



- The partition type will be displayed in the Usage field, and the partition free space will be displayed in the Free Space field, in units of Bytes.

**Memo** • [PS] and [MIX] are displayed separately, however they indicate the same partition.

Name	Size	Free Space	Location	Label	Status
Volume 0:	10485760	7602176	FLASH0	MIX	READ-WRITE
Volume %flash0%	10485760	7602176	FLASH0	PS	READ-WRITE

• Free up space in an SD memory card or flash drive

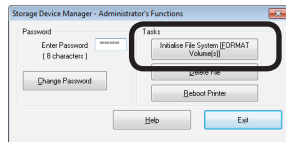
- Launch the Oki Storage Device Manager.

Launching (P 104)

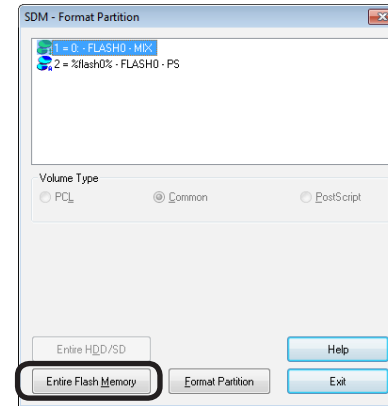
- On the [SDM - Printer Discovery] screen, select the port connected to the printer and click [Start].
- Click [Exit].
- Select the printer from the lower window. Select [Administrator Functions] from the [Printers] menu.
- Enter the administrator password in [Enter Password].

**Memo** • The default administrator password is "PASSWORD".

- Click on [Initialise File System [FORMAT Volume(s)]].



- Select the flash partition from the list, and click [Entire Flash Memory].



- Click [Yes] on the initialization confirmation screen.
- On the shutdown confirmation screen, click on [OK].
- On the completion screen, click on [OK].
- Turn the printer power OFF (○) /ON (| ).  
 Turning Off the Power (Setup Instructions)

## • Initializing Flash Memory

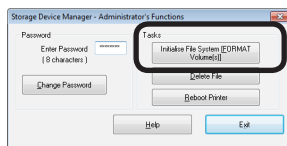
- 1 Launch the Oki Storage Device Manager.

 Launching (P 104)

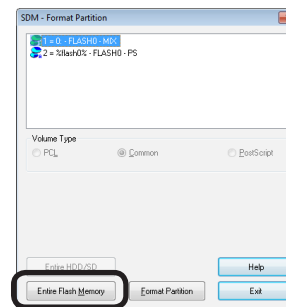
- 2 On the [SDM - Printer Discovery] screen, select the port connected to the printer and click [Start].
- 3 Click [Exit].
- 4 Select the printer in the lower window and select [Administrator Functions] from the [Printers] menu.
- 5 Enter the administrator password in [Enter Password].

**Memo** • The default administrator password is "PASSWORD".

- 6 Click on [Initialise File System [FORMAT Volume(s)]].



- 7 If initializing, click on [Entire Flash Memory].  
If formatting a particular partition, select the partition you want to format from the list, and click [Format Partition].



- 8 Click [Yes] on the initialization confirmation screen.
- 9 On the shutdown confirmation screen, click on [Yes].
- 10 On the completion screen, click on [OK].
- 11 Turn the printer power OFF (○) /ON (I).

 Turning Off the Power (Setup Instructions)

- Initializing an SD memory card

- ① Launch the Oki Storage Device Manager.

 Launching (P 104)

- ② On the [SDM - Printer Discovery] screen, select the port connected to the printer and click [Start].

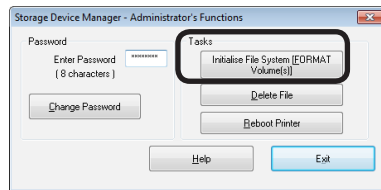
- ③ Click [Exit].

- ④ Select the printer in the lower window and select [Administrator Functions] from the [Printers] menu.

- ⑤ Enter the administrator password in [Enter Password].

**Memo** • The default administrator password is "PASSWORD".

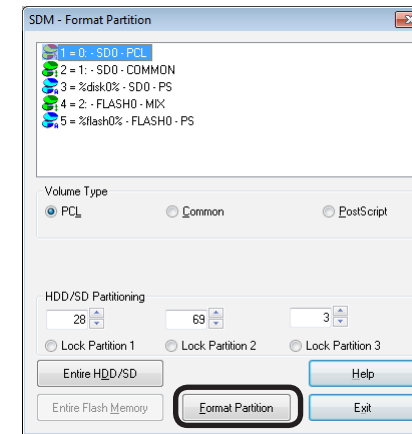
- ⑥ Click on [Initialise File System [FORMAT Volume(s)]].



- ⑦ If initializing, click on [Entire HDD/SD].

If formatting a particular partition, select the partition you want to format from the list, and click [Format Partition].

If you want to change the purpose of use of a partition, select the partition you want to format, select the partition type from [Volume Type] and click [Format Partition].




- ⑧ Click [Yes] on the initialization confirmation screen.

- ⑨ On the shutdown confirmation screen, click on [Yes].

- ⑩ On the completion screen, click on [OK].

- ⑪ Turn the printer power OFF (○) /ON (|).

 Turning Off the Power (Setup Instructions)



# PS Gamma Adjuster

You can adjust the printer half - tone density and the print density of photos.

- Note!**
- The printing speed may be slow if halftone adjustment is used. If you want to prioritize the speed, select [Not Specified] from [Half - Tone Adjustment].
  - Depending on the application, the Dot Gain Correction or Half - Tone Adjustment may be set at the time of printing, or those functions may be included in the EPS file. If using this kind of function on the application side, select [Not Specified] in [Half - Tone Adjustment].

## Operating environment

Computers running Windows 8.1/Windows 8/Windows 7/Windows Vista/Windows XP/Windows Server 2012/Windows Server 2012 R2/Windows Server 2008/Windows Server 2008 R2/Windows Server 2003

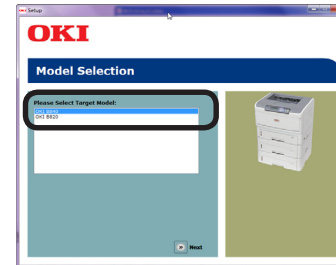
- Note!**
- For setup, computer administrator rights are required.

## Install

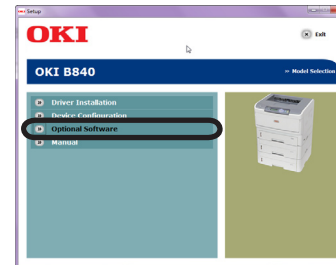
- ① Turn the printer power ON ( I ).
- ② Check that Windows is launching and set the Software DVD - ROM in the drive.

The setup program will launch.

- ③ Select [OKI B840], and click [Next].



- ④ Read the [Software License Agreement], and click [I Agree].
- ⑤ Click [Optional Software].



- ⑥ Click [PS Gamma Adjuster].



- ⑦ Click [Next].
- ⑧ Check the destination to install to and click [Next].
- ⑨ Check the program folder name and click [Next].
- ⑩ Click [Finish].

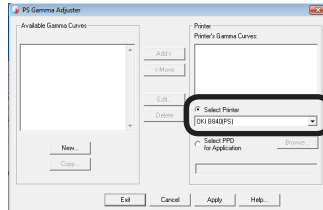
### ■ Main methods of use

#### • Launching the Utility

- ① Select [Start] - [All Programs] - [Okidata] - [PS Gamma Adjuster].

#### • Adjuster the printing density of photographs

- ① Launch the PS Gamma Adjuster.
- ② Select the machine from [Select Printer].

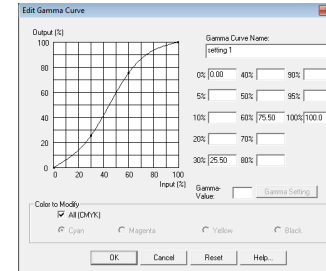


- Memo**
- Depending on the application (such as Adobe PageMaker), there may be an independently prepared PPD file used at the time of printing. In such a case, click [Select PPD for Application], click [Browse] and select the PPD file used by the application.

- ③ Click on [New].
- ④ Adjuster the half - tone with any of the following methods, enter the name into [Gamma Curve Name], and then click [OK].

**Memo**

- Directly carry out operations to graph lines.  
You can drag and click on lines. Perform an adjustment by moving the control point.
- Enter the gamma value.  
Enter the gamma value and click on [Gamma Setting]. A smooth curve is automatically created with 13 points and half - tones are adjusted. You can set a value between 0.01 and 99.99. Values greater than 1.0 are weaker half - tones, smaller values are stronger.
- Enter values into each density textbox.



- ⑤ Click [Add→].  
The half - tone adjustment name is displayed in [Printer's Gamma Curve:] within [Printer].

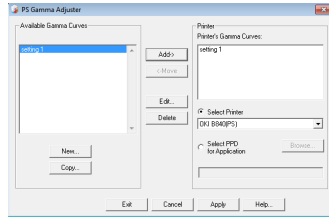
**Memo**

- The model name will be displayed in the [Select Printer] list. If there are multiple printers of the same type in the [Printers and Faxes] folder, the registered [Gamma Curve Name] will be enabled for all printers of the same model.

⑥ Click on [Apply].

**Memo**

- A maximum of 6 [Printer's Gamma Curves:] can be registered in one PPD file.



⑦ Click on [OK] on the PPD registration completion screen.

⑧ Click on [Exit] to close the PS Gamma Adjuster.

**Note!**

- After registering the [Gamma Curve Name], the [Custom Gamma Adjustment] menu or its contents may not be displayed within the [Paper/ Quality] tab. In this case, restart your computer.
- Before printing, restart applications that were launched prior to having registered a [Gamma Curve Name].

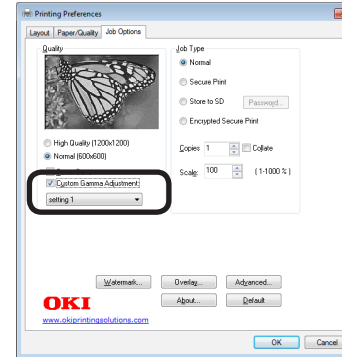
⑨ Open the file you want to print.

⑩ Select [Print] on the [File] menu.

⑪ Click on [Preferences].

⑫ Select the [Custom Gamma Adjustment] check box in the [Job Options].

⑬ Select the [Gamma Curve Name] created in ④ from within [Custom Gamma Adjustment], and then print.



## Deleting Utilities

---

- If you are using Windows 7/Windows Vista/Windows Server 2008

- ① Select [Start] - [Control Panel], and click on [Uninstall a program].
- ② Select the utility to delete and click on [Uninstall].
- ③ If [User Account Controls] is displayed, click [Continue].
- ④ Delete them on the screen.

- If you are using Windows XP/Windows Server 2003

- ① Select [Start] - [Control Panel], and click on [Add or Remove Programs].
- ② Select the utility you want to remove and click [Remove].
- ③ Delete them by following the screen.

# Chapter 7 Useful Utilities (Macintosh)

Explanation of Utilities .....	114
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## Explanation of Utilities

We explain here utilities that make the Macintosh environment you are using more convenient.

Utility Name	Function	Model supported	Operating environment	Storage location	Reference page
Web browser	You can configure the printer network settings and menu settings.	B840 B820	Mac OS X	—	<a href="#">121</a>
PS Gamma Adjuster	You can adjuster the printer half - tone density and the print density of photos.	B840	Mac OS X	Software DVD-ROM	<a href="#">115</a>
Network Card Setup	You can configure printer network settings or display the web browser.	B840 B820	Mac OS X	Software DVD-ROM	<a href="#">181</a>
TELNET	You can use TELNET to set printer network settings.	B840 B820	Mac OS X	—	<a href="#">184</a>
Print Job Accounting Client	Set user name and user ID on printer driver.	B840	Mac OS X	Software DVD-ROM	—

# PS Gamma Adjuster

You can adjust the printer half - tone density and the print density of photos.

- Note!**
- The printing speed may be slow if halftone adjustment is used. If you want to prioritize the speed, select [None] from [Adjuster Half-tone].
  - Depending on the application, the Dot Gain Correction or Half - Tone Adjustment may be set at the time of printing, or those functions may be included in the EPS file. If using this kind of function on the application side, select [None] in [Adjuster Halftone].

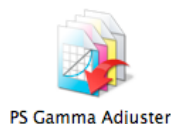
## ■ Operating environment

Running of the Mac OS X 10.6.8 ~ 10.9 of Macintosh

## ■ Main methods of use

### • Adjuster the printing density of photographs

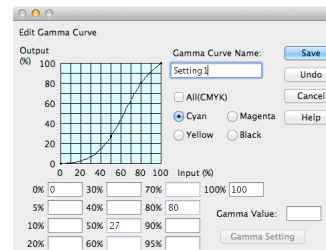
- ① Set the Software DVD - ROM in the drive.
- ② Click on the [Utility] - [Halftone] - [PS Gamma Adjuster] tab.



- ③ Click on [New].

- ④ Adjuster the half - tone with any of the following methods, enter the name into [Gamma Curve Name], and then click [Save].

- Memo**
- Directly carry out operations to graph lines.  
You can drag and click on lines. Perform an adjustment by moving the control point.
  - Enter the gamma value.  
Enter the gamma value and click on [Gamma Setting]. A smooth curve is automatically created with 13 points and half - tones are adjusted. You can set a value between 0.01 and 99.99. Values greater than 1.0 are weaker half - tones, smaller values are stronger.
  - Enter values into each density textbox.



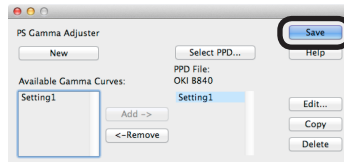
- ⑤ Confirm that the PPD file with the half - tone adjustment registered is selected.

If a different PPD file is selected, click [Select PPD], and select the target PPD file.

- ⑥ Click [Add→].  
The new half - tone adjustment name is displayed in the registration list on the right.

- ⑦ Click on [Save]. If the Authentication screen is displayed, enter the username and password of the administrator.

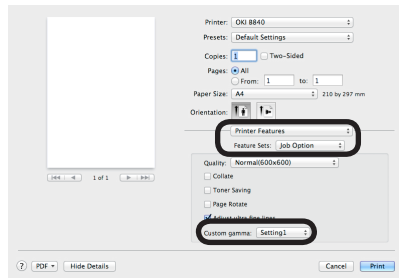
Register the Half - Tone Adjustment name displayed in the registered list, into the PPD file.



- ⑧ Exit the PS Gamma Adjuster utility.
- ⑨ Delete and reregister the printer on which to carry out the half - tone adjustment registered in [Printer Setting Utility].

- Memo**
- Do not click the [Configure] button when adding a printer.
  - If a dialogue to select printer options appears when adding a printer, click [Cancel], and re-add the printer.

- ⑩ Open the file you want to print.
- ⑪ Select [Print] from the [File] menu.
- ⑫ Select the [Gamma Curve Name], created in procedure ③ from [Custom gamma] in the [Job Option] function set within the [Printer Features] panel.





# Chapter 8 Regarding Networks







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Web browser (Common to Windows/ Macintosh) .....	121
OKI LPR Utility (only for Windows) .....	165
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Network Card Setup (only for Macintosh) .....	181
TELNET (Common to Windows/ Mac OS X) .....	184

**Note!**

- In this chapter, [WordPad] is used as a an example for Windows and [Text Editor] for Mac OS X.
- The screen or procedure may vary depending on the applicaiton you use.
- Please refer to Online Help for detailed explanations of each setting item for printer drivers and utilities.
- The details may differ from those in this manual if you upgrade the version of printer driver or utility you are using.

## ■ Initializing Network Settings

Changes all network setting items to initial values.

- ① Check that [Online] is displayed on the control panel.
- ② Press the  or  button several times. [Network Menu] will be displayed, and press the  **ENTER** button.
- ③ Press the  or  button several times. [Default Settings/Enable] will be displayed, and press the  **ENTER** button.

## ■ Using SNMP

The SNMP agent is available. You can refer to/ change the printer set value with a commercially-available SNMP manager.

The setting items that can be referred to/ changed with an SNMP manager are called MIB, and B820n/B840dn support MIB-II as well as Oki Data Private MIB. Regarding the Oki Data Private MIB, please refer to "Readme-j.txt" within the [MISC]-[Mib] folder on the Software DVD-ROM.

## Using IPv6

The IPv6 function is available.

The IPv6 address is automatically acquired, and it is not required to set it manually.

The following protocols are supported with IPv6.

Printing: LPD, Port9100, IPP, FTP

Setting: HTTP, Telnet, SNMPv1/v3

Sending SMTP, IP filtering, WINS registration, and SNMP Trap, etc. only support IPv4.

The applications that have been changed to work normally are as shown in the following table.

- Note!** • If using IPv6 with Windows XP, IPv6 will need to be installed separately.

Protocol	Application	Conditions of Use
LPD	Windows 7 Windows Vista Windows XP Command Prompt LPR	(1) For hosts file editing, or accessing through the DNS server, you can set the host name. (2) However, if setting by only enabling IPv6 through Telnet, you will not be able to set a host name through using a DNS server. (3) Also, you cannot specify the host name for connections specified with the link local address (addresses starting with "fe80").
Port9100	Windows 7 Windows Vista Redhat Linux 9.0 LPRng	(1) For hosts file editing, or accessing through the DNS server, you can set the host name. (2) However, if setting by only enabling IPv6 through Telnet, you will not be able to set a host name through using a DNS server. (3) Also, you cannot specify the host name for connections specified with the link local address (addresses starting with "fe80").

Protocol	Application	Conditions of Use
FTP	Windows 7 Windows Vista Windows XP Command prompt FTP	(1) For hosts file editing, or accessing through the DNS server, you can set the host name. (2) However, if setting by only enabling IPv6 through Telnet, you will not be able to set a host name through using a DNS server. (3) Also, you cannot specify the host name for connections specified with the link local address (addresses starting with "fe80").
	Mac OS X FTP from a terminal	(1) For hosts file editing, or accessing through the DNS server, you can set the host name. (2) However, if setting by only enabling IPv6 through Telnet, you will not be able to set a host name through using a DNS server. (3) Also, you cannot specify the host name for connections specified with the link local address (addresses starting with "fe80").
HTTP	Windows XP Internet Explorer 6.0	(1) For hosts file editing, or accessing through the DNS server, you can set the host name. (2) However, if setting by only enabling IPv6 through Telnet, you will not be able to set a host name through using a DNS server. (3) Also, you cannot specify the host name for connections specified with the link local address (addresses starting with "fe80").
	Windows 7 Windows Vista Windows XP Mozilla Firefox (Ver.2.0)	(1) IPv6 addresses need to be entered within "[ ]". (2) For hosts file editing, or accessing through the DNS server, you can set the host name. (3) However, if setting by only enabling IPv6 through Telnet, you will not be able to set a host name through using a DNS server. (4) Also, you cannot specify the host name for connections specified with the link local address (addresses starting with "fe80").

Protocol	Application	Conditions of Use
HTTP	Mac OS X Safari (1.2.3-v125.9)	<p>(1) For hosts file editing, or accessing through the DNS server, you can set the host name.</p> <p>(2) However, if setting by only enabling IPv6 through Telnet, you will not be able to set a host name through using a DNS server.</p> <p>(3) Also, you cannot specify the host name for connections specified with the link local address (addresses starting with "fe80").</p>
	Mac OS X Safari (2.0-v412.2)	<p>(1) IPv6 addresses need to be entered within "[ ]".</p> <p>(2) For hosts file editing, or accessing through the DNS server, you can set the host name.</p> <p>(3) However, if setting by only enabling IPv6 through Telnet, you will not be able to set a host name through using a DNS server.</p> <p>(4) Also, you cannot specify the host name for connections specified with the link local address (addresses starting with "fe80").</p>
Telnet	Windows 7 Windows Vista Windows XP Command Protocol Telnet	<p>(1) For hosts file editing, or accessing through the DNS server, you can set the host name.</p> <p>(2) However, if setting by only enabling IPv6 through Telnet, you will not be able to set a host name through using a DNS server.</p> <p>(3) Also, you cannot specify the host name for connections specified with the link local address (addresses starting with "fe80").</p>
	Mac OS X Telnet from a Terminal	<p>(1) For hosts file editing, or accessing through the DNS server, you can set the host name.</p> <p>(2) However, if setting by only enabling IPv6 through Telnet, you will not be able to set a host name through using a DNS server.</p> <p>(3) Also, you cannot specify the host name for connections specified with the link local address (addresses starting with "fe80").</p>

# Web browser (Common to Windows/ Macintosh)

You can configure the printer network settings and menu settings.

## Operating environment

### For those using Windows

Computers with Microsoft Internet Explorer Ver6.0 or higher, or FireFox Ver3.0 or higher installed computer.

A computer operating with TCP/IP

#### Memo

- Check whether your browser settings are as shown below.
- Set [Internet Options] - [Privacy] - [Settings] within the [Tools] menu to [Medium].

### For those using a Mac OS X

Computers with Safari Ver2.0 or higher, or FireFox Ver3.0 or higher installed Computer

A computer operating with TCP/IP

## Main methods of use

This explanation uses the following environment as an example.

Printer : B840dn

Printer IP address : 192.168.0.2

MAC address : 00:80:87:62:CA:B3

Web browser : Microsoft Internet Explorer Ver.6.0

#### Memo

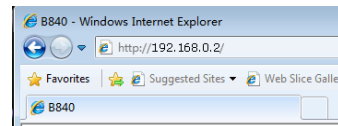
- You can display your MAC address by launching your web browser and clicking [Print Information].

## Launch/ Check print status

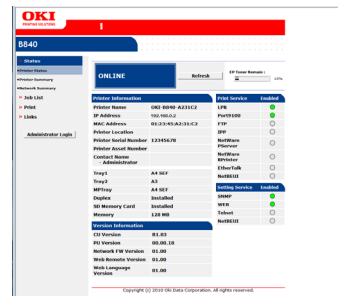
- ① Launch a web browser.
- ② Enter "http://(printer's IP address)" in the address bar and press the Enter key.

#### Note!

- If the IP address includes a 1- or 2-digit number value, please enter "0" at the front of the number value. It may be not possible to carry out communication.  
(E.g.) Correctly-entered value: http://192.168.0.2/  
Incorrectly-entered value: http://192.168.000.002/



Display the printer status.

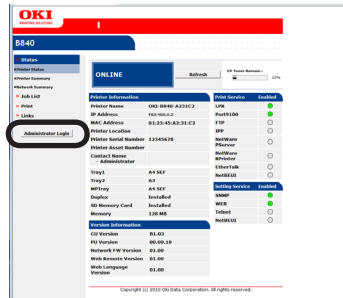


- Log in as the administrator

① Launch a web browser.

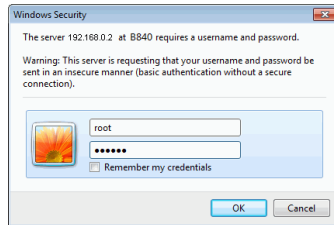
🖱️ Launching (P 121)

② Click [Administrator Login].



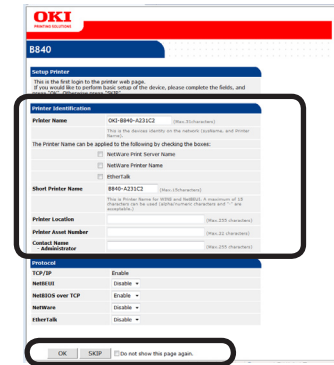
③ Enter [root] into [User] and enter [The Current Password] into [Password], and click [OK].

**Memo** • The default password is "aaaaaa".



④ Configure the printer information that can be checked on the network, and click [OK] or [SKIP].

**Memo** • If you click [SKIP], the configuration of settings is shorter. Put a check into [Do not show this page again.], and click [OK] or [SKIP], to not display it from next time.



⑤ The following screen will be displayed.



• Changing the Password

You can change the password used at the time of logging in as the administrator.

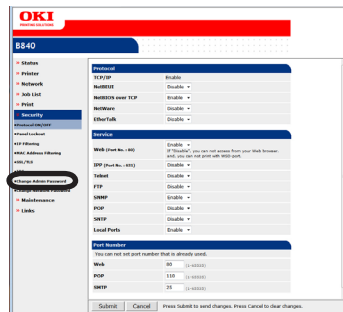
① Log in as the administrator.

🖱️ Logging in as the Administrator (P 122)

② Click the [Security] tab.



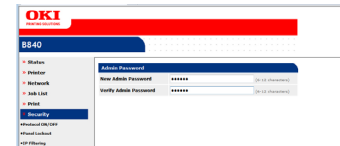
③ Click [Change Admin Password].



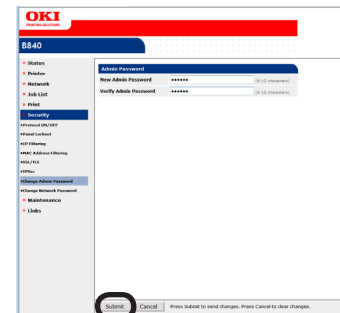
④ Enter a new password into [New Admin Password], and reenter it into [Verify Admin Password].

**Note!**

- When entering the password [●●●●●●] will be displayed on the screen.
- Enter 6-12 alphanumeric characters for the password.
- When entering the password, please make sure that you enter upper and lower-case letters correctly.



⑤ Click on [Submit].



⑥ The values set in the printer are saved and the network function is restarted. The new password will be enabled from the next time you change settings. You do not need to turn the printer power OFF (○)/ON (|).

**Note!**

- This password will differ to TELNET and [Network Setting] for Configuration Tool.

• Changing Printer Settings

① Log in as the administrator.

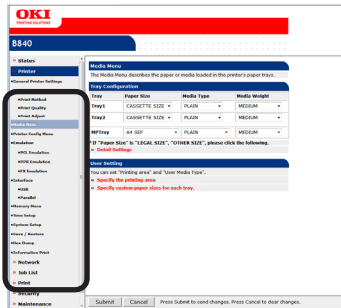
☞ Logging in as the Administrator (P 122)

② Click the [Printer] tab.

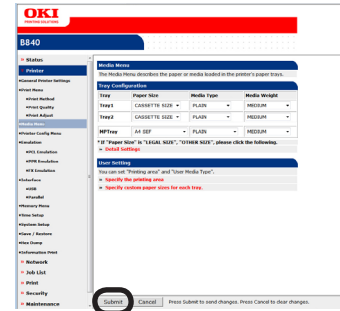


③ Click on the items you want to change.

The item details are displayed in the right frame. Click on the item you want to change.



④ Click on [Submit] when you have finished changing the settings.



• Encrypting communication (SSL/TLS)

This encrypts settings configured through a website and communication between the computer (client) and the printer at the time of IPP printing (encryption of communication through HTTPS).

Method of Configuration

The encryption setting tools are as shown below.

- 1) Website
- 2) Only TELNET (Stength of encryption (weak/ standard/ strong) and turning SSL/TLS (Encryption) ON/OFF (enabling/ disabling) can be changed).

The configuration process

If using the web, the procedure for creating a certificate with the printer is displayed.

The following two types of certificates can be created.

- 1) Self-signed certificate
- 2) Certificate signed by a certification authority (create CSR)

**Note!**

• If the printer's IP address is changed from the time of creating the certificate, the certificate will be invalidated. Please do not change the printer's IP address after creating the certificate.

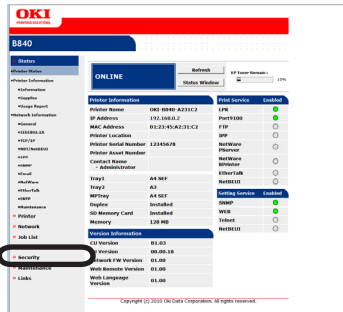


## Procedure for creating the certificate

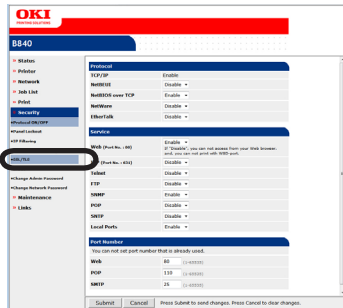
① Log in as the administrator.

☞ Logging in as the Administrator (P 122)

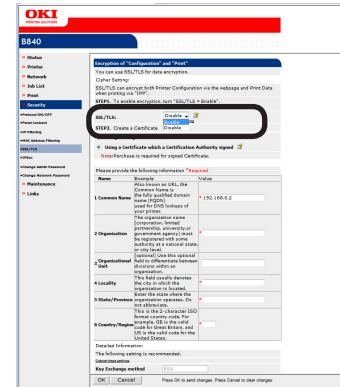
② Click the [Security] tab.



③ Click on [SSL/TLS].

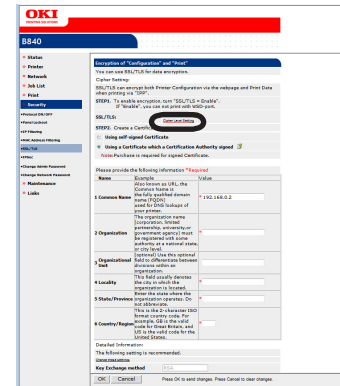


④ Set [SSL/TLS] in [STEP 1] to [Enable].



Memo

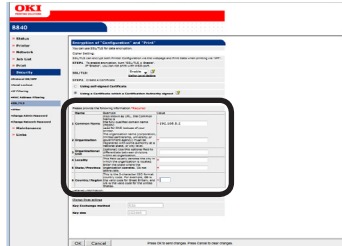
- Please set the encryption strength to [Standard] in normal situations. If you want to change the strength of the encryption, click on [Cipher Level Setting] and change the [SSL/TLS] value.



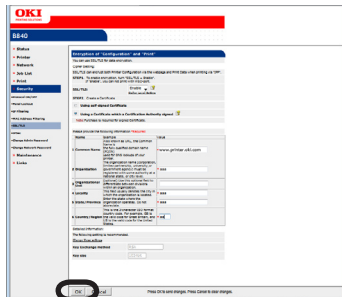
- ⑤ Enter items such as Common Name and Organization In normal situations, please use the Key Exchange Method and Key Size as the are initially, without changing them (RSA, 1024bit). If you want to change it, lick [Change these settings].

**Memo**

- If you selected [Using a Certificate which a Certification Authority signed], please follow the certification procedure of the certification authority for the method of issuing the certificate for the input details, etc.



- ⑥ Click [OK].



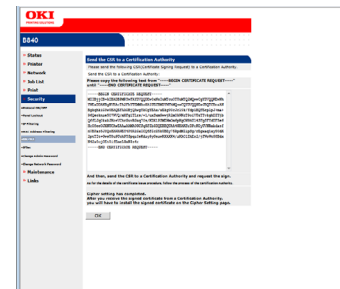
- ⑦ The input details will be displayed. Check the details and click [OK]. Creates a certificate.



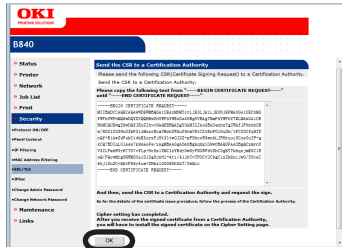
With this the creation of a self-signed certificate is completed.

For a certificate issued by a certifying authority, you need to then follow the procedure below.

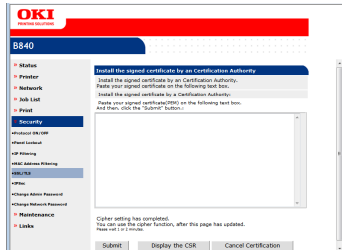
- ⑧ Remove the CSR and send to the certifying authority. Copy the contents of the text box from "----- BEGIN CERTIFICATE REQUEST -----" to "----- END CERTIFICATE REQUEST -----". The CSR may use the following methods to send it include: pasting onto a website, sending as a file, or attaching to a email file.



9 Click on [OK].



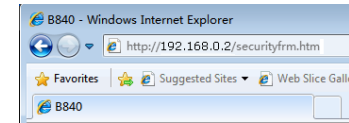
10 Use the web to install the certificate issued by the certifying authority.



11 Follow 1-4 to display the encryption (SSL/TLS) setting screen. Paste from "----- BEGIN CERTIFICATE -----" to "----- END CERTIFICATE -----" into the textbox, and click [Send]. With this the creation of the certification authority issued certificate is completed.

## Methods of Use

1 Launch a web browser and enter "https://Printer IP Address" in the address bar, to connect.



## • Printing (IPP Print)

### Environment

#### Usable OS

Windows 8.1, Windows Server 2012 R2,  
Windows 8, Windows Server 2012,  
Windows 7, Windows Server 2008,  
Windows Server 2008 R2,  
Windows Vista, Windows XP,  
Windows Server 2003

1 Turn the computer power ON and launch Windows.

2 Launch your web browser and log in as the administrator. Set the [IPP] network tab to [Enable].

Logging in as the Administrator (P 122)

3 Add a printer.

<For Windows 8.1/Windows Server 2012 R2>

Select [Control Panel] - [Hardware and Sound] - [Devices and Printers].

<For Windows 8/Windows Server 2012>

Select [Control Panel] - [Hardware and Sound] - [Devices and Printers].

<For Windows 7 /Windows Server 2008 R2>

Select [Start] - [Devices and Printers]. Click [Add a Printer].

<For Windows Vista /Windows Server 2008>

Click [Start]-[Control Panel]-[Printer]. Click [Install Printer].

<For Windows XP>

Select [Start] - [Control Panel], and click on [Printers and Other Hardware].

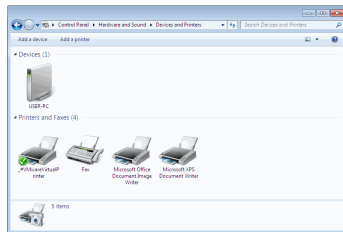
Click [Printers and Faxes] in [or pick a Control Panel icon].

Click [Printer Tasks] - [Install a Printer].

<For Windows Server 2003>

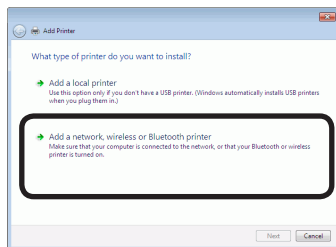
Click [Start] - [Printers & Faxes].

Double click on [Add a Printer].

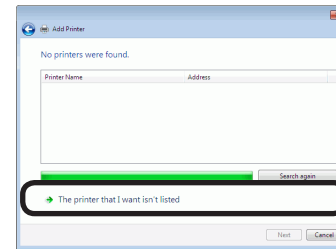


④ Click on [Next] on the [Printer Addition Wizard] screen.

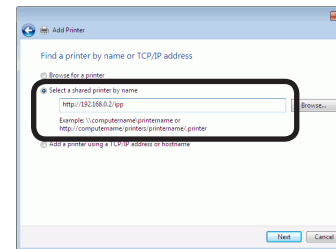
⑤ Select [Add a Network, Wireless or Bluetooth Printer], and click on [Next].



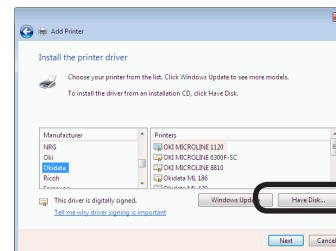
⑥ Click on [→ The printer that i want isn't listed].



⑦ Select [Select a shared printer by name], enter [http://Printer's IP Address/ipp] or [http://Printer's IP Address/ipp/lp], and click on [Next].



⑧ Click [Have Disk].



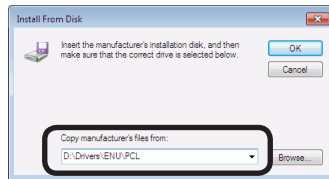
- ⑨ Set the Software DVD-ROM in the drive.
- ⑩ Enter the following into [Source to Copy Manufacturer Source File] and click [OK].

If installing a PS printer driver.

D:\Drivers\ENU\PS

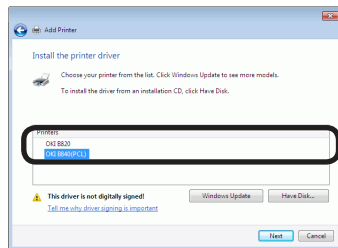
If installing a PCL printer driver.

D:\Drivers\ENU\PCL

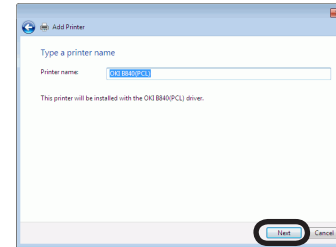


- Memo**
- If printing from a PostScript-compatible application (such as Adobe Illustrator), select a PS driver.
  - If printing from another application, you can select either.

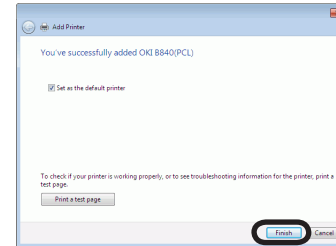
- ⑪ Select the printer name and click [Next].



- ⑫ Click on [Next].



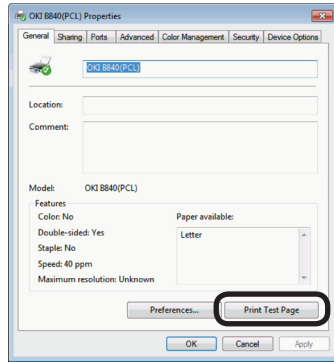
- ⑬ If setting the printer that you normally use, put a check in it and click [Finish].



- ⑭ Select the printer icon and right-click on [Printer Properties] to open it.



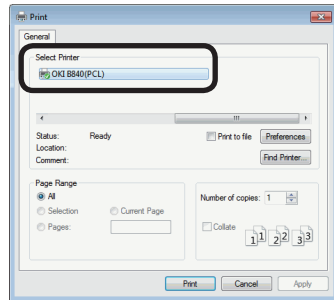
15 Click on [Print Test Page].



If the Menu map was printed, setup is complete.

16 Open the file you want to print.

17 Select [File] - [Print], set the created IPP printer and print.



• Encrypting communication (IPSec)

You can encrypt communication between the computer and printer and prevent tampering on the network layer level.

**Memo**

- The IKE protocol supported by this printer is [IKEv1].
- The communication mode supported for this printer is [Transport Mode]. [Tunnel Mode] does not work.
- If IPSec is enabled, the response of the equipment may be slow depending on the network communication status.
- If IPSec is enabled, it is recommended to not run multiple operations such as network printing from multiple computers.

Method of Configuration

Configure the settings for the computer after configuring the printer.

Device settings

Displays the procedure for enabling IPSec by using the web.

1 Log in as the administrator.

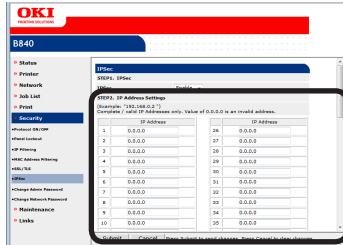
 Logging in as the Administrator (P 122)



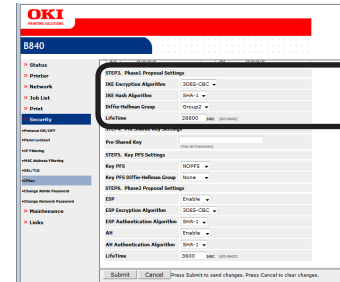
⑤ Enter the host IP address in [STEP2].

**Note!**

- Using the IP address, set a host for which printing/setting configurations is permitted.
- Please use half-byte numerical characters separated by "." for the IPv4 address.
- Please use half-byte numerical characters separated by ":" for the IPv6 address.
- IPv6 link local addresses are not supported.
- If you enter 0.0.0.0 for the IP address, it will be disabled.

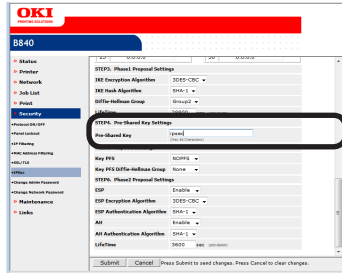


- ⑥ Set each Phase1 Proposal in [STEP3].  
 Select from between 3DES-CBC and DES-CBC in [IKE Encryption Algorithm] to set it.  
 Select from between SHA-1 and MD5 in [IKE Hash Algorithm].  
 Select between Group2 and Group1 in [Diffie-Hellman Group].  
 Enter between 600 (Secs) - 86400 (Secs) in [LifeTime] to set it.

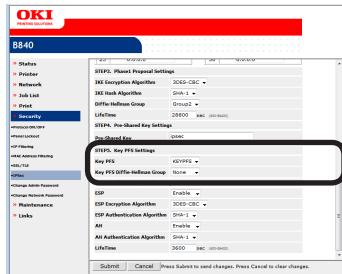




- ⑦ Set the pre-shared key in [STEP4].  
Enter between 1 and a maximum of 64 half-sized assets in [Pre-Shared Key]. Here we use the example of entering [ipsec] in the character string.

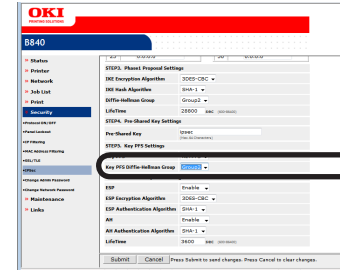


- ⑧ Set the Key PFS in [STEP5].  
Select between KEYPFS and NOPFS in [Key PFS] to set it.



If you select [Key PFS], set the following items.

Select between Group2 and Group1 for [Key PFS Diffie-Hellman Group] to set it.



⑨ Set Phase 2 Proposal in [STEP6].

Select between Enable and Disable for [ESP] to set it.

Set the following items if [ESP] is set to enabled.

Select from between 3DES-CBC and DES-CBC in [ESP Encryption Algorithm] to set it.

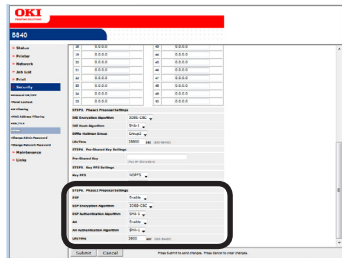
Select from between SHA-1, MD5, and OFF in [ESP Authentication Algorithm]. If you select OFF, the ESP authentication algorithm will not be applied.

Select between Enable and Disable for [AH] to set it.

Set the following items if [AH] is set to enabled.

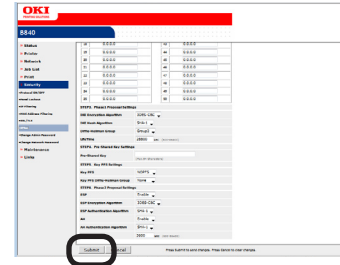
Select from between SHA-1 and MD5 in [AH Authentication Algorithm].

Enter between 600 (Secs) - 86400 (Secs) in [Life Time] to set it.



- Note!** • Set either or both of [ESP] and [AH] to enabled.

⑩ Click [Submit].

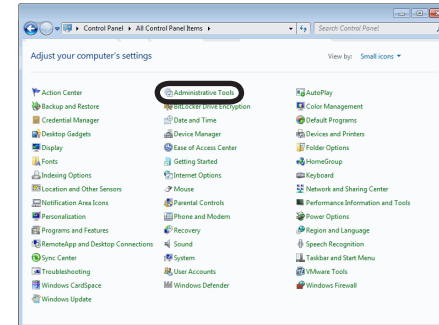


- ⑪ The values set in the printer are saved and the network function is restarted.

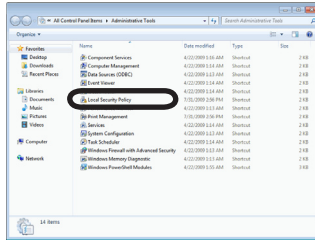
• Computer settings

The following explanation uses Windows 7 as an example.

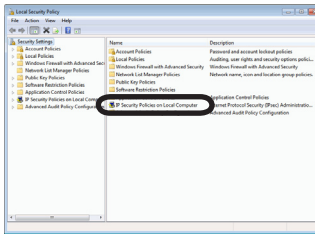
- ① Click on [Administrative Tools] in [Control Panel].



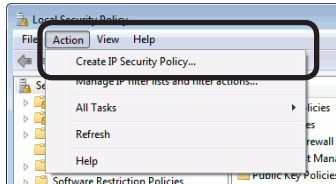
② Double-click on [Local Security Policy].



③ Click on [IP Security Policies on Local Computer].



④ Select [Create IP Security Policy] from the [Action] menu.



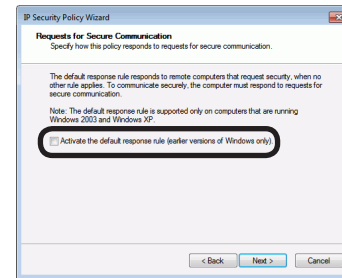
⑤ Click on [Next].



⑥ Enter the name as well as the explanation of this IP security policy created in [Description], and then click [Next].



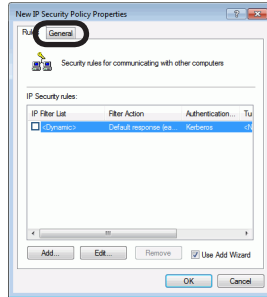
⑦ Remove the check from [Activate the default response rule], and click on [Next].



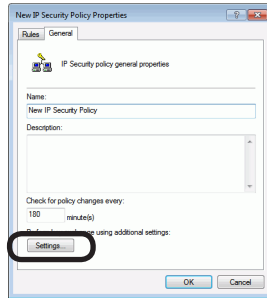
⑧ Select [Edit Properties] and then click [Finish].



⑨ Click the [General] tab.

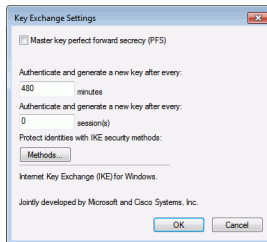


⑩ Click [Settings].

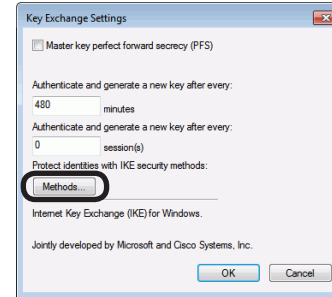


⑪ Enter the same time as for the lifetime of Phase1 Proposal in [Equipment Settings], ⑨ (P 134), in units of minutes in [Authenticate and generate a new key after every:] (units of minutes).

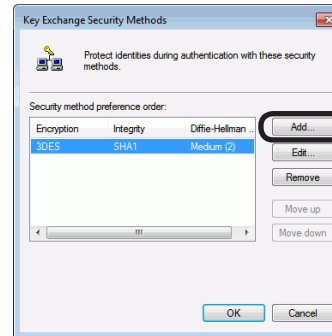
**Memo** • [Life time] in Phase1 Proposal is in units of seconds, but here units are in minutes.



⑫ Click [Methods].



⑬ Click [Add].



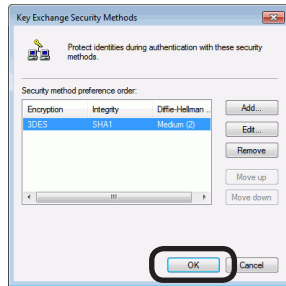
⑭ Add details to Phase1 Proposal in [Security method preference order], and click [OK].



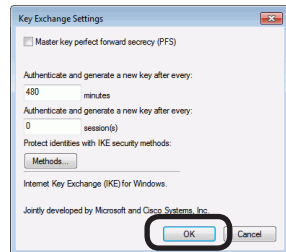
15 On the [Key Exchange Security Methods] screen, click [OK].

**Memo**

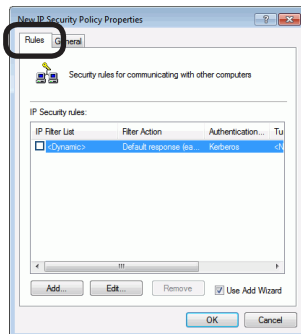
- You can delete the security methods other than those you added.



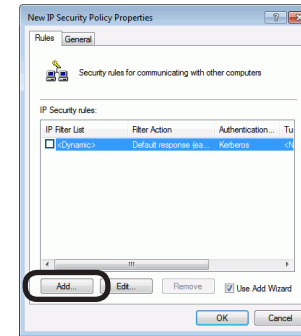
16 On the [Key Exchange Settings] screen, click [OK].



17 On the [New IP Security Policy Properties] screen click the [Rules] tab.



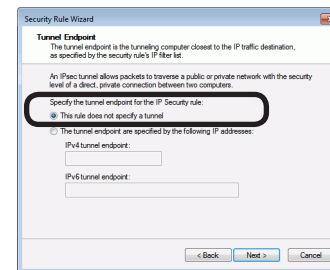
18 Click [Add].



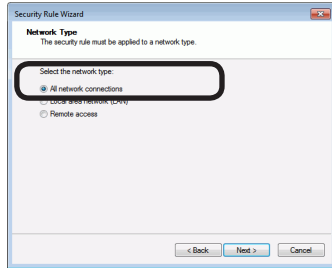
19 Click on [Next].



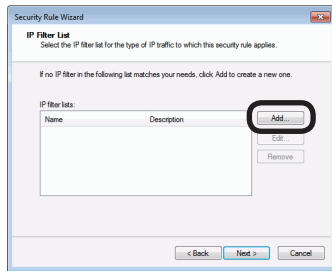
20 Check that [This rule does not specify a tunnel] is selected on the [tunnel endpoint] screen, and click [Next].



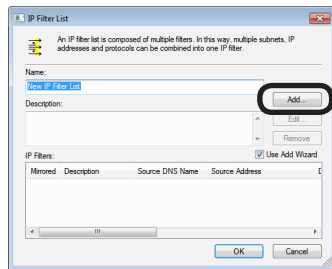
- 21 Check that [All network connections] is selected on the [Select the network type] screen, and click [Next].



- 22 Click on [Add].



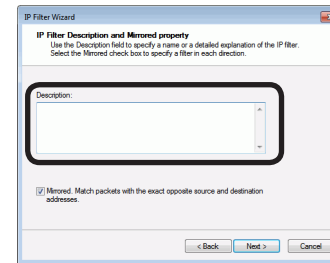
- 23 Click on [Add].



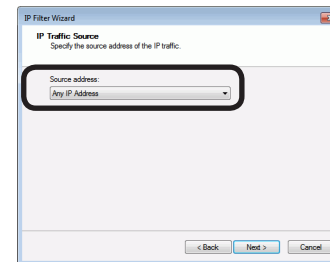
- 24 Click on [Next].



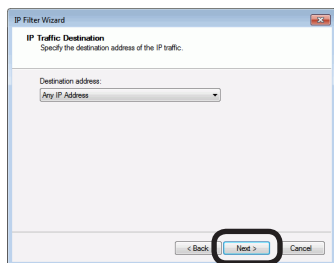
- 25 Enter the IP folder name or explanation, and click [Next].



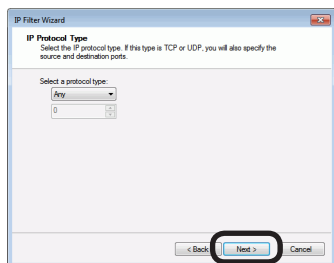
- 26 Select [Source address], and click [Next].



27 Click [Next].



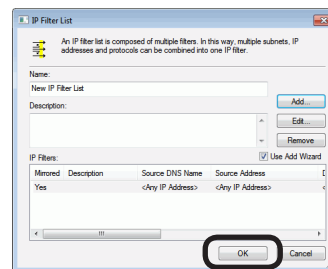
28 Click [Next].



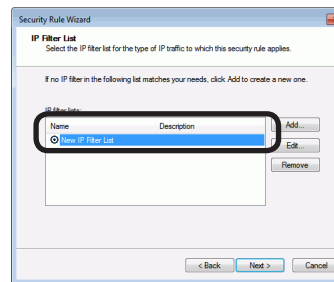
29 Click [Finish].



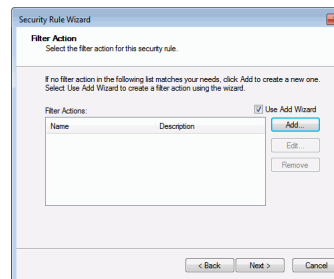
30 Click [OK].



31 Select the created IP filter, and click [Next].



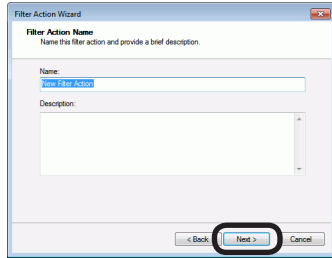
32 Click [Add].



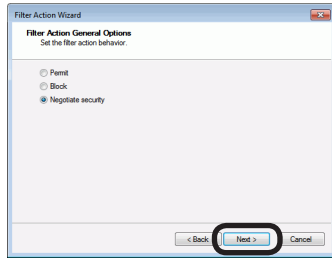
33 Click on [Next].



34 Click on [Next].



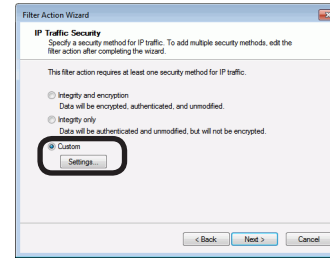
35 Click on [Next].



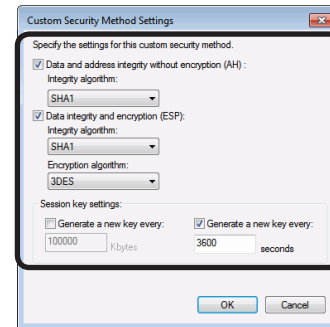
36 Click on [Next].



37 Select [Custom] on the [IP Traffic Security] screen and click [Settings].

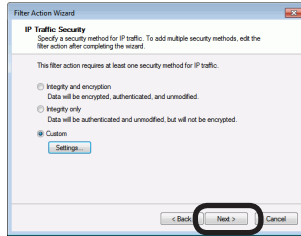


38 Match the [Equipment Settings] details set in 9. (P 134) Phase2 Proposal and click [OK].

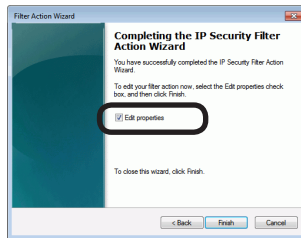




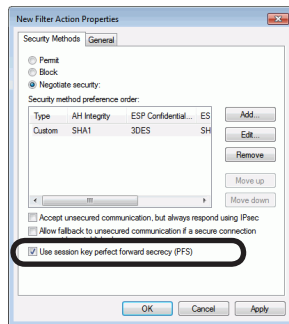
39 Click on [Next].



40 Remove the check from [Edit Properties], and click on [Finish].



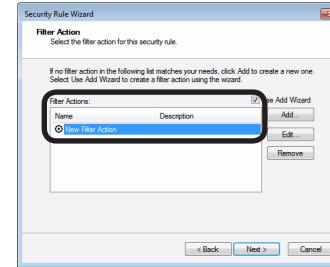
41 If Key PFS is enabled, remove the check from [Use session key perfect forward secrecy (PFS)], and click [OK].



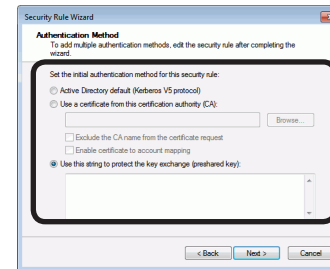
**Note!**

- You must put a check in [Accept unsecured communication, but always respond using IPsec], if you perform IPsec communication using the IPv6 global address.

42 Select the created filter, and click [Next].



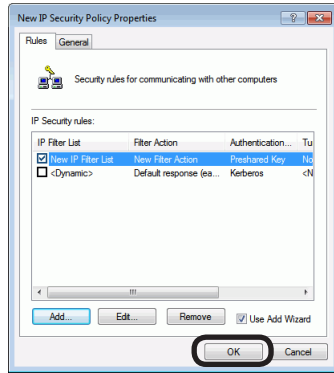
43 Select [Use this string to protect the key exchange (preshared key)], enter the character string, and then click [Next].



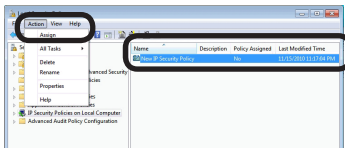
44 Click [Finish].



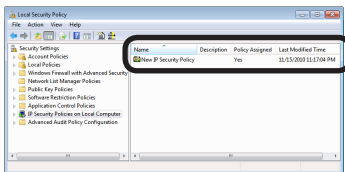
- 45 Click [OK] on the [New IP Security Policy Properties] screen.



- 46 Select the created new IP security policy, and select [Assign] from the [Action] menu.



- 47 Check that the created new IP security policy's [Policy Assigned] is set to [Yes].



- 48 Click on [X] on the top right of the screen, and close the screen.

- Use restricted access function (IP filter)

Use an IP address to manage printer access.

**Memo**

- In the initial printer settings, [IP filter] is set to [Disable].

**Note!**

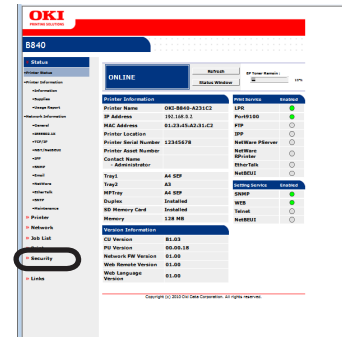
- If there is a mistake in entering the IP address, it will not be possible to access printers using IP protocol. Please pay sufficient attention to this.

Method of Configuration

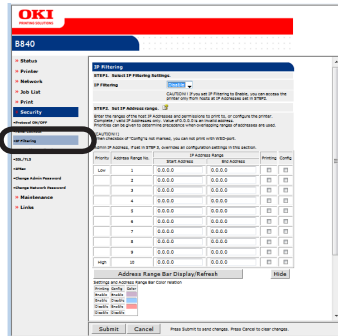
- 1 Log in as the administrator.

Logging in as the Administrator (P 122)

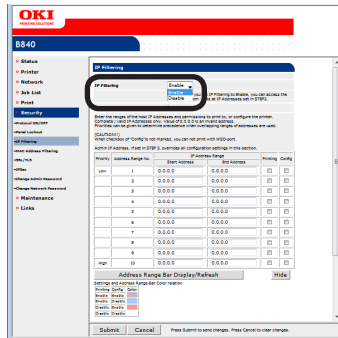
- 2 Click the [Security] tab.



③ Click on [IP Filtering].



④ In [STEP1], set [IP Filtering] to [Enable].



**Note!**

- If IP filtering is set to [Enable], all access from hosts with IP addresses outside the range set in [STEP2] will not be possible.

⑤ Set the IP address in [STEP2].

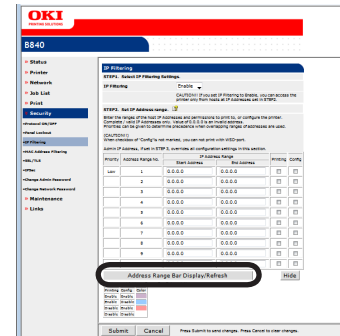
**Note!**

- If you enter 0.0.0.0 for the IP address, it will be disabled.

**Memo**

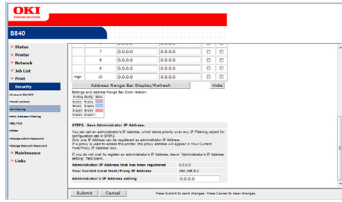
- Using the IP address, enter a range of hosts for which printing/setting configurations is permitted.
- Please use half-byte numerical characters separated by "." for the IP address.
- If there are overlapping IP address ranges, the address range set to have a high [Priority Level] will be prioritized.
- Regardless of that set in step 2, administrator addresses for which printing/configuring of settings is possible are set in Step 3.

⑥ Click the [Address Range Bar Display/Refresh] button.



If you want to correct the IP address range, reenter the relevant IP address and then click on [Address Range Bar Display/Refresh].

⑦ Set the value in [Administrator's IP Address setting] in [STEP 3].

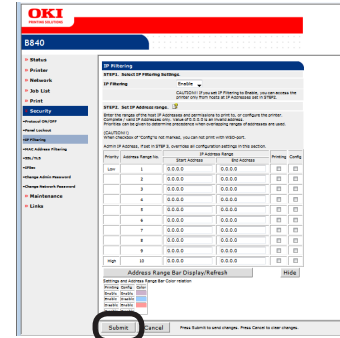


By entering the administrator's IP address in [Administrator's IP Address setting], in the unlikely case that incorrect settings were entered in [STEP2], the administrator can reset them from the host with the IP address set in [Administrator's IP Address setting].

**Note!**

- If accessing the printer through a proxy, etc., the address of the machine through which the connection is made will be displayed as [Your Current Local Host/Proxy IP Address]. Therefore, your host address may differ from the address shown in [Your Current Local Host/Proxy IP Address].
- If nothing is registered for [Administrator's IP Address setting], based on Step 2, it will be completely impossible to access the printer.
- If you do not want to access the administrator IP address, leave the [Administrator's IP Address setting] field blank.

⑧ Click [Submit].



⑨ The values set in the printer are saved and the network function is restarted.

- Control access with the MAC address

Use an MAC address to manage printer access.

**Note!**

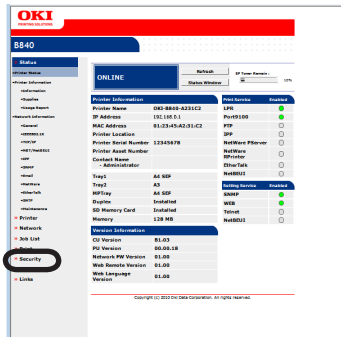
- If there is a mistake with the MAC address, it will be impossible to access the printer using the network. Please sufficient care with this.

### Method of Configuration

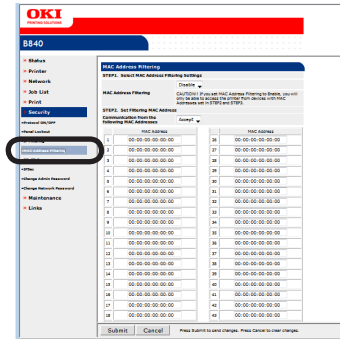
① Log in as the administrator.

🖱️ Logging in as the Administrator (P 122)

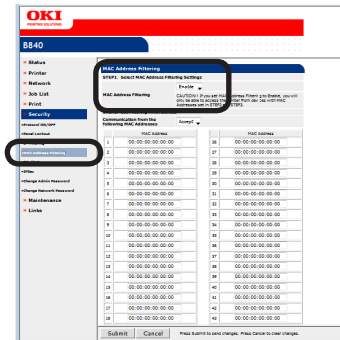
② Click [Security] tab.



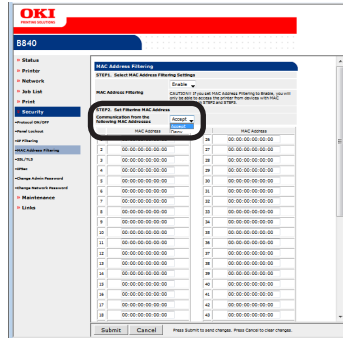
③ Click on [MAC Address Filtering].



④ In [STEP1], set [Select MAC Address Filtering Settings] to [Enable].



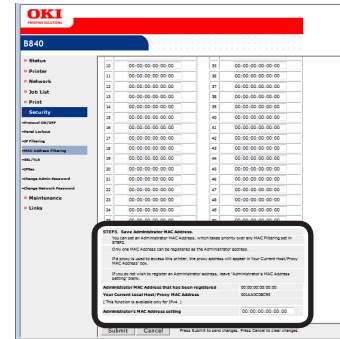
- ⑤ Select whether to [Accept (Deny)] communication from the MAC address specified in [STEP2].



**Memo**

- Using the MAC address, enter a host MAC address for which communication is permitted (rejected).
- Please use half-byte numerical characters separated by ":" for the MAC address.
- Regardless of that set in STEP2, administrator addresses for which communication is possible are set in STEP3.

- ⑥ Set the value in [Administrator's MAC Address setting] in [STEP3].

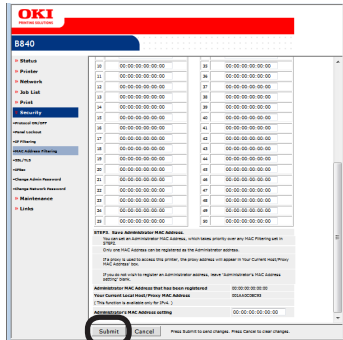


By entering the administrator's MAC address in [Administrator's MAC Address setting], in the unlikely case that incorrect settings were entered in [STEP2], the administrator can reset them from the host with the MAC address set in [Administrator's MAC Address setting].

**Note!**

- If accessing the printer through a proxy, etc., [Your Current Local Host / Proxy MAC Address] will appear as the machine through which the MAC address. Therefore, your host address may differ from the address shown in [Your Current Local Host / Proxy MAC Address].
- If nothing is registered for [Administrator's MAC Address setting], based on Step 2, it will be completely impossible to access the printer.
- If you do not want to access the administrator MAC address, enter 00:00:00:00:00:00 in the [Administrator's MAC Address setting] field.

⑦ Click [Submit].



⑧ The values set in the printer are saved and the network function is restarted.

• Use the mail sending function (SMTP)

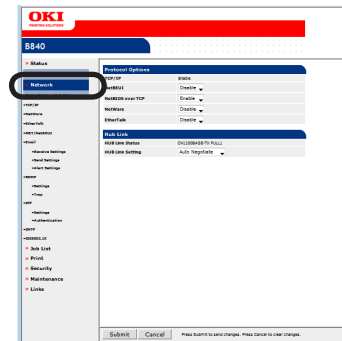
The mail sending function (SMTP) is available. You can have a mail sent when errors occur with the printer. You can select setting to have regular messages sent saying whether errors are occurring, or to have a mail sent at the time when an error occurs.

Setting emails to be sent

① Log in as the administrator.

👤 Logging in as the Administrator (P 122)

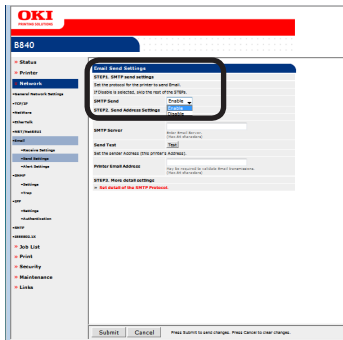
② Click [Network].



③ Click on [Email]-[Send Settings].



④ In [STEP1], set [SMTP Send] to [Enable].

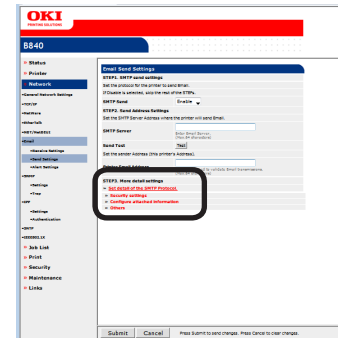


⑤ Set the address required to send to in [STEP2].

- (1) Set the email server domain name or IP address [SMTP Server].
- (2) Set the email address given to the printer in [Printer Email Address].
- (3) Set the email address used for sending emails from the printer in [Reply-To-Address].  
In normal situations, please set the printer administrator email address.

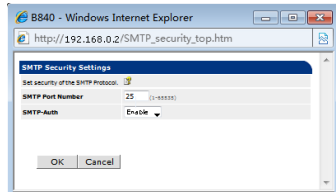
- Note!**
- If [SMTP Server] is set to the domain name, the DNS server must be set within [TCP/IP] settings.
  - Sending of mails from the printer must be permitted on the mail server. For mail server settings, please consult the network administrator.

⑥ After this, if you want to configure more detailed settings, click [Set detail of the SMTP Protocol] in [STEP3].  
If you will not configure these settings, please proceed to ⑱.





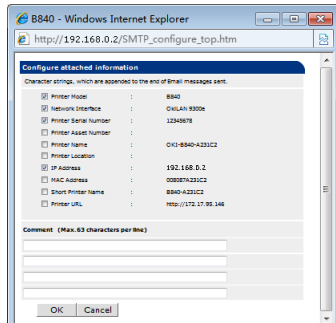
- ⑦ Click [SMTP Security Settings].



- ⑧ Set [SMTP-Auth] to [Enable].  
 ⑨ Enter [SMTP Server UserID].  
 ⑩ Enter [SMTP Server Password].

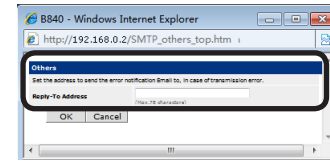
**Note!** • If there is a mistake in [SMTP Server UserID] and [SMTP Server Password] the mail sending function will not work properly. Please pay attention to this.

- ⑪ Click on [OK].  
 ⑫ Click on [Configure attached information].



- ⑬ Select or enter the information you would like to add to the end of messages sent by Email.  
 ⑭ Click on [OK].  
 ⑮ Click on [Others].

- ⑯ Set the reply email address for emails sent from the printer in [Reply-To Address]. In normal situations, please set the printer administrator email address.

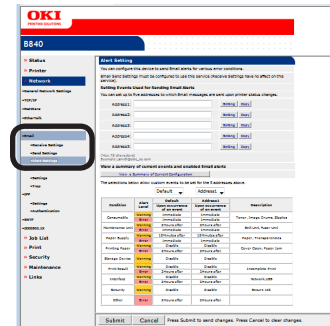


- ⑰ Click on [OK].  
 ⑱ Click [Submit].  
 ⑲ The values set in the printer are saved and the network function is restarted.

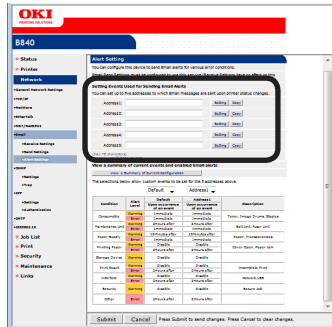
The method for authentication will be automatically selected from authentication methods supported by the mail server.

Faults occurring will be regularly reported

- ① Click on [Email] - [Alert Settings].



- ② Enter the destination email address for fault notifications.

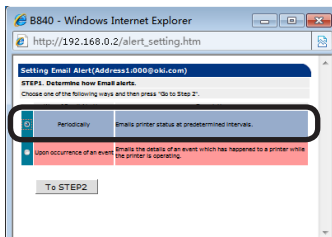


- ③ Click the [Setting] button for the set email address.

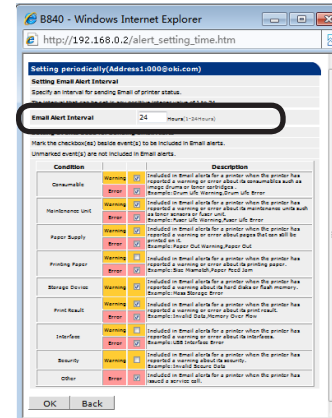
**Memo**

- By clicking the [Copy] button you can copy the fault notification conditions to another addressee. This is useful when setting the same kind of fault notification settings for multiple addressees.

- ④ Put a check in [Periodically] and click on [To STEP2].



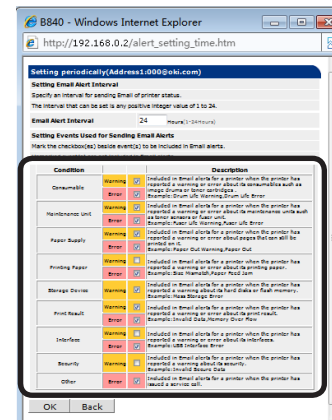
- ⑤ You can send the interval between sending of emails in [Setting Email Alert Interval].



**Memo**

- If no fault occurred in the period for the target notification, no email will be sent.

- ⑥ Put a check in the fault type in [Setting Events Used for Sending E-mail Alerts] for the notification target.



- ⑦ Click on [OK].
- ⑧ Check the details of the set fault notification conditions.
  - (1) If you want to display a list
    - a. Click the [View a Summary of Current Configuration] button.
    - b. Check the details of the settings and close the window.

The screenshot shows a web browser window with the URL http://192.168.0.2/alert\_setList.htm. The main content is a large table with multiple columns and rows, organized into sections. The sections include 'Status', 'Alarm', 'Security', and 'Maintenance'. Each section contains a list of items with columns for 'Name', 'Default', 'Address', and 'Address'. The 'Status' section lists items like 'Status', 'Alarm', 'Security', and 'Maintenance'. The 'Alarm' section lists items like 'Alarm', 'Security', and 'Maintenance'. The 'Security' section lists items like 'Security', 'Maintenance', and 'Status'. The 'Maintenance' section lists items like 'Maintenance', 'Status', and 'Security'. The table is scrollable and contains many rows of data.

- (2) If you want to compare two addressee setting conditions
    - a. Select each addressee you want to compare in the list box.
    - b. Check the set details displayed.
- Click in the set conditions comparison table and change the notification conditions.

The screenshot shows the 'Alert Setting' configuration page for the OKI B840. The page is titled 'Alert Setting' and contains several sections. The 'Status' section shows the current status of the alert setting. The 'Priority' section shows the priority of the alert message. The 'Setting Events Used for Sending Alert Message' section shows a table of events that can be used to trigger an alert message. The 'Alert Setting' section includes a 'View a Summary of Current Configuration' button. The 'Alert Setting' section also includes a 'Submit' button.

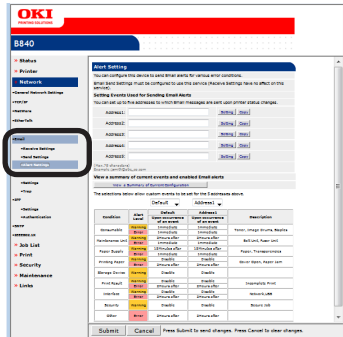
- ⑨ Click [Submit].

This screenshot is identical to the previous one, showing the 'Alert Setting' configuration page for the OKI B840. The 'Submit' button at the bottom of the page is highlighted with a red circle, indicating that it should be clicked to save the changes.

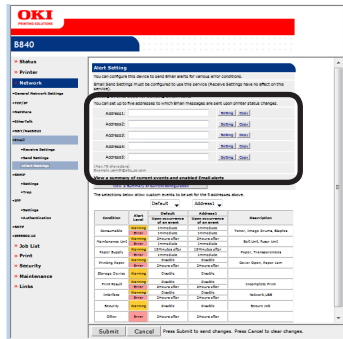
- ⑩ The values set in the printer are saved and the network function is restarted.

Notify when faults occur

- ① Click [Email] - [Alert Settings].



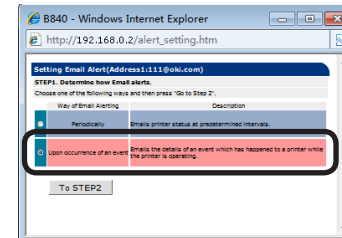
- ② Enter the fault notification destination email address.



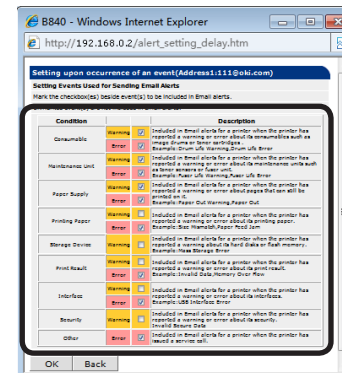
- ③ Click the [Setting] button for the set email address.

By clicking the [Copy] button you can copy the fault notification conditions to another addressee. This is useful when setting the same kind of fault notification settings for multiple addressees.

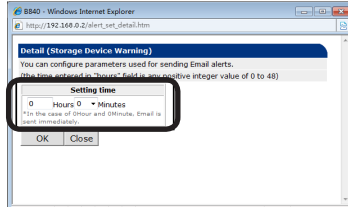
- ④ Put a check in [Upon occurrence of an event] and click on [To STEP2].



- ⑤ Put a check in the fault type alerts in [Setting upon occurrence of an event] for the notification target.



⑥ Set a delay from when an error occurs to when an email is sent.

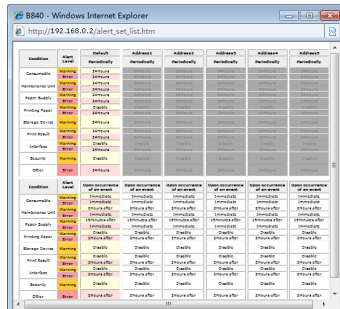


**Memo**

- Depending on the delay time set, you can have only errors continually occurring over a long time notified.
- If you set the delay time to [0 Hours 0 Minutes], an email will be sent as soon as an error occurs.

⑦ Click on [OK].

⑧ Check the details of the set fault notification conditions.



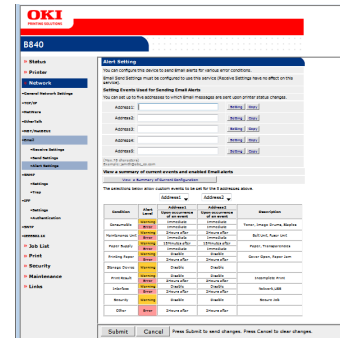
(1) If you want to display a list

- Click the [View a Summary of Current Configuration] button.
- Check the details of the settings and close the window.

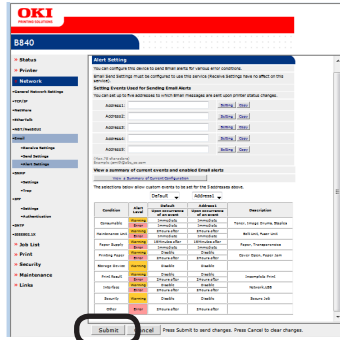
(2) If you want to compare two addressee setting conditions

- Select each addressee you want to compare in the list box.
- Check the set details displayed.

You can change the notification conditions by clicking in the set conditions comparison table.



⑨ Click [Submit].



⑩ The values set in the printer are saved and the network function is restarted.

• Using SNMPv3

The SNMPv3 agent is available.

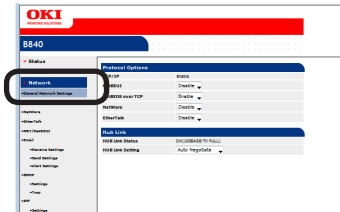
You can encrypt printer management with SNMP and carry it out safely by using an SNMP manager that supports SNMPv3.

Configuring SNMPv3

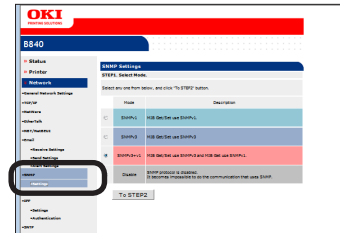
① Log in as the administrator.

👉 Logging in as the Administrator (P 122)

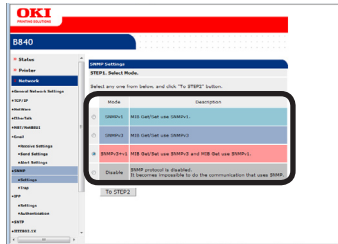
② Click [Network].



③ Click on [SNMP] - [Settings].



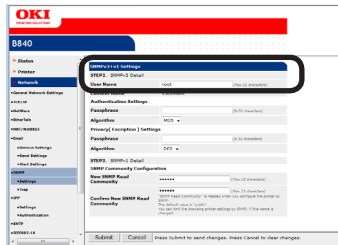
- ④ Put a check in the SNMP version you are using in [STEP1]. Click [To STEP2].



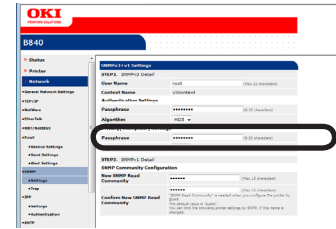
Memo

- If you selected [SNMPv3] it will not be possible to refer to/ set SNMPv1. If you selected [SNMPv3+v1], you can refer to both SNMPv1 and SNMPv3, however, you can only configure setting for SNMPv3.

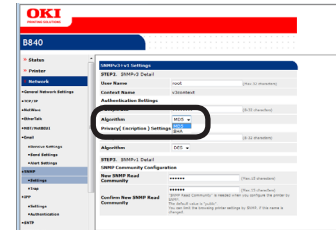
- ⑤ Enter the SNMPv3 username into [User Name] in [STEP2].



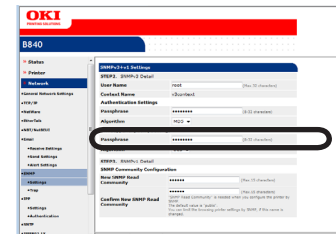
- ⑥ Enter the passphrase for authentication use in [Passphrase] within [Authentication Settings].



- ⑦ Select [Algorithm].



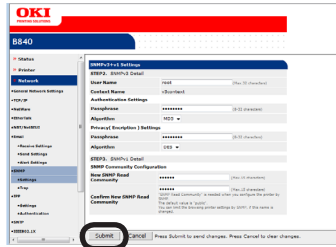
- ⑧ Enter the passphrase for encryption use in [Passphrase] within [Privacy (Encryption) Settings].



Memo

- You can only select [DES] for the encryption algorithm.

⑨ Click [Submit].



⑩ The values set in the printer are saved and the network function is restarted.

**Memo** • Set context name of the SNMP manager you are using to [v3context].

• Using IEEE802.1X

The authentication function using IEEE802.1X is supported.

**Note!** • You may not be able to use this correctly depending on the network environment you are using.

The IEEE802.1X setup process

At first, use a connection for setup through the hub normally used by the printer and computer. Thereafter, connect ther printer to the authentication switch.

1. Connect the printer and the computer.
2. Set the IP address for setup use on the computer.
3. Set the IP address for setup use on the printer.  
For the connection between the printer and computer and the method of setting the printer IP address, please refer to the Setup Instructions.
4. Set IEEE802.1X on the printer.
5. Connect the printer to the authentication switch (P 160).

The following explanation uses the environment shown below as an example.

Printer :B840dn  
 IP Address :192.168.0.3 (The address used for computer setup)  
 :192.168.0.2 (the address used for printer setup)  
 Subnet mask : 255.255.255.0  
 Web browser :Microsoft Internet Explorer Ver.6.0

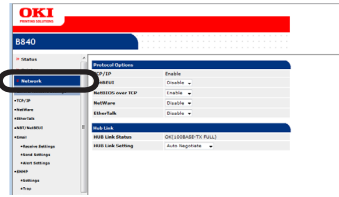
Configuration for IEEE802.1X

① Log in as the administrator.

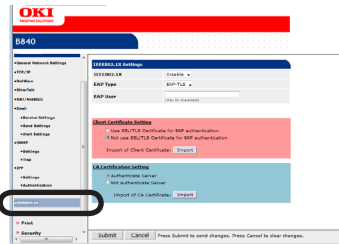
Logging in as the Administrator (P 122)



② Click [Network].



③ Click the [IEEE802.1X] menu.

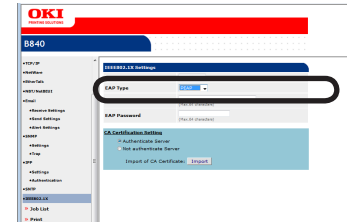


If Using PEAP

**Memo** • If using EAP-TLS, please proceed to [P 158](#).

④ Select [Enable] for [IEEE802.1X].

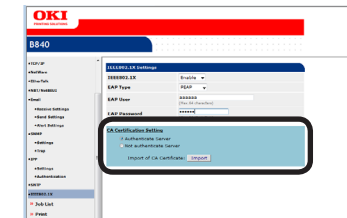
⑤ Select [PEAP] for [EAP Type].



⑥ Enter a user name in [EAP User].

⑦ Enter a password in [EAP Password].

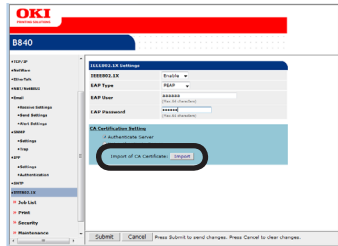
⑧ Put a check in [Authenticate Server].



⑨ Click [Import of CA Certificate].

**Memo**

- If [Not authenticate Server] is checked, it is not necessary to import a CA certificate.
- If [Not authenticate Server] is checked, you will not be able to check whether there is a correct connection to the authentication server.

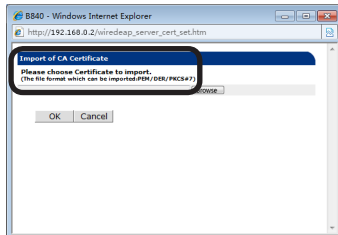


The "Import of CA Certificate" screen will be displayed.

⑩ Enter the file name of the CA certificate and then click [OK].

**Memo**

- The imported CA authentication certificate is an authentication certificate of the RADIUS server authentication certificate issuing authority.
- The file formats that can be imported are PEM, DER, and PKCS#7.



The CA authentication certificate is imported to the printer.

⑪ Click [Submit].

⑫ The values set in the printer are saved and the network function is restarted.

If [ONLINE] is displayed in the operating panel, turn the printer power off.

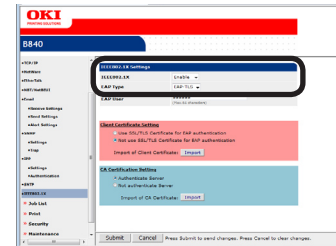
➡ Setup Instructions (Turning Off the Printer)

⑬ Proceed to Connecting to the Printer Authentication Switch (P 160).

If Using EAP-TLS

④ Select [Enable] for [IEEE802.1X].

⑤ Select [EAPTLS] for [EAP Type].



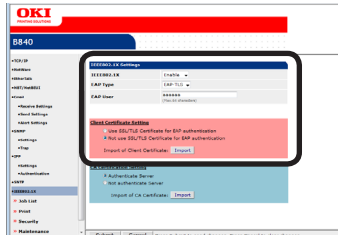
⑥ Enter a user name in [EAP User].

⑦ Put a check in [Not use SSL/TLS Certificate for EAP authentication].

**Note!**

- Normally, please do not put a check in [Use SSL/TLS Certificate for EAP authentication].

- ⑧ Click [Import of Client Certificate].

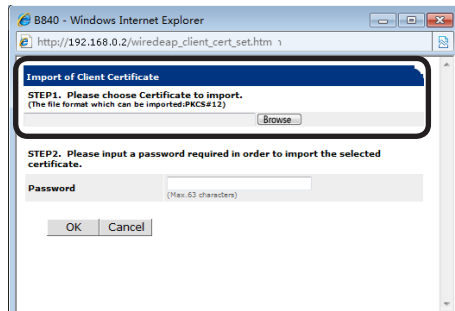


The "Import of Client Certificate" screen will be displayed.

- ⑨ Enter the file name of the client authentication certificate.

- Memo**
- Authentication certificate files that can be imported are in the PKCS#12 format.

- ⑩ Enter the password of the client authentication certificate and then click [OK].



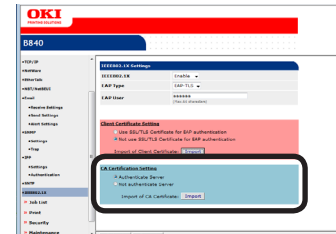
The client authentication certificate is imported to the printer.

- ⑪ Put a check in [Authenticate Server].

- ⑫ Click [Import of CA Certificate].

If [Not authenticate Server] is checked, it is not necessary to import a CA certificate.

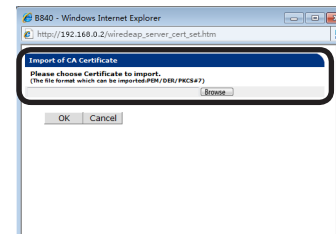
- Memo**
- If [Not authenticate Server] is checked, you will not be able to check whether there is a correct connection to the authentication server.



The Import of CA Certificate screen will be displayed.

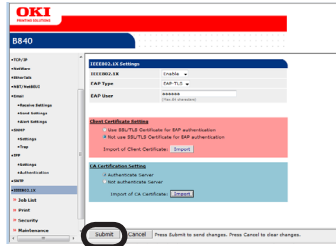
- ⑬ Enter the file name of the CA certificate and then click [OK].

- Memo**
- The imported CA authentication certificate is an authentication certificate of the RADIUS server authentication certificate issuing authority.
  - The file formats that can be imported are PEM, DER, and PKCS#7.



The CA authentication certificate is imported to the printer.

14 Click [Submit].



15 The values set in the printer are saved and the network function is restarted.

If [ONLINE] is displayed in the operating panel, turn the printer power off.

📖 Setup Instructions (Turning Off the Printer)

16 Proceed to Connecting to the Printer Authentication Switch.

Connecting Your Printer to Authentication Switch

- 1 Make sure that the printer is turned off.
- 2 Plug the Ethernet cable into the printer network interface connector.
- 3 Plug the Ethernet cable into the authentication port of the authentication switch.
- 4 Turn the printer power ON ( | ).
- 5 Check that [ONLINE] is displayed on the control panel.
- 6 Set the printer IP address, etc., as per the environment you are using. Set Item List

List of Setting Items

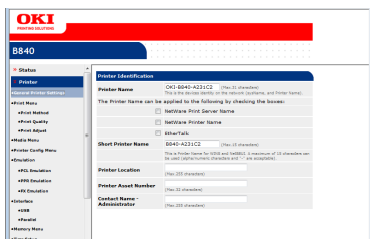
Status Tab



Item	Description
Printer Status	You can check the printer status. Other than the same information as displayed on the operating panel, all warnings and errors occurring on the printer as Fault Information are displayed. Also, each network service operation status and printer information list and IP addresses set on the printer can be checked. You can click on [Status Window] to check the printer status in the web browser.
Printer Information	You can check printer system information.
Network Information	You can check network setting information.

- Printer Tab

This will be displayed if you are logged in as the printer administrator.



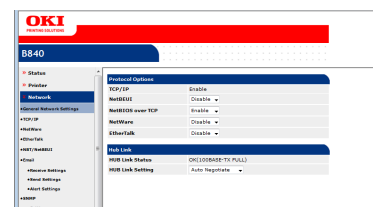
Item	Description
General printer settings	You can set the information for printers that can be checked on the network.
Print Menu	You can set the number of copies, automatic tray switching, print quality, and print position. If using a printer driver, the settings in the printer driver will have priority over the settings configured here.
Media Menu	You can set the paper size for each tray and custom paper, etc. If using a printer driver, the settings in the printer driver will have priority over the settings configured here.
Printer Config Menu	You can configure settings for when moving into powersave, operations at the time of the alarm going off, during time-out, etc.
Emulation	You can set the supported emulation.
Interface	You can set interfaces outside of the network.
Memory Menu	You can set the buffer size, etc., for received email.
Time Setup	You can set the time on the printer.
System Setup	You can set the LED control method at the time when the near-life warning occurs.
Save/Restore	You can save current menu settings, or change saved menu settings. This targets the printer tab menu settings.
Hex Dump	All received print data is displayed in hexadecimals. This mode is exited when the printer is restarted.

(Printer Tab Continued)

Item	Description
Information Print	Print network setting information (Network Information), demo pages, etc.

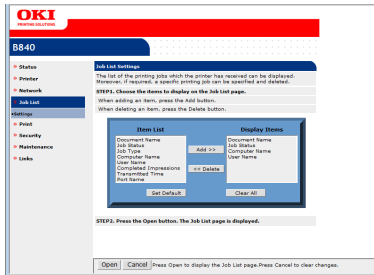
- Network Tab

This will be displayed if you are logged in as the printer administrator.



Item	Description
General Network Settings	You can stop network protocols that you are not using.
TCP/IP	You can set information related to TCP/IP.
NetWare	You can set information related to NetWare.
EtherTalk	You can set information related to EtherTalk.
NBT/NetBEUI	You can set information related to NetBEUI.
Email	You can configure settings for a function for email notification of events occurring on the printer.
SNMP	You can set information related to SNMP.
IPP	You can configure settings for the IPP print function.
SNTP	You can set the time on the printer.
IEEE802.1X	You can set information related to IEEE802.1X/EAP.

• Job List Tab



Item	Description
Settings	Display a list of print jobs sent to the printer. If there are unnecessary jobs, you can delete them.

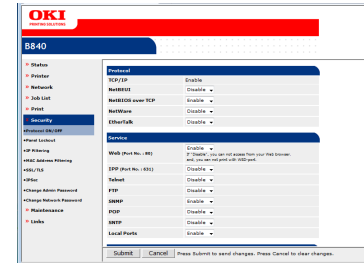
• Print Tab



Item	Description
Web Printing	You can set any PDF file you want and print it.
Email Printing	If a PDF file is attached to an email sent to the printer, it can be printed.

• Security Tab

This will be displayed if you are logged in as the printer administrator.



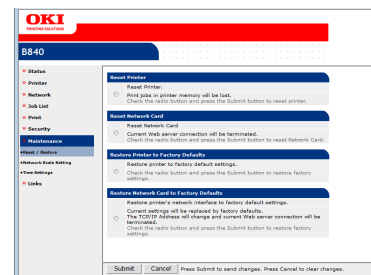
Item	Description
Protocol ON/OFF	You can stop network protocols and network services that you are not using.
Panel Lockout	Set the control panel so that operating it is prohibited.
IP Filtering	You can restrict access with TCP/IP. Access from outside the company is also supported. However, sufficient knowledge regarding IP addresses is required for this function. Depending on the settings, serious problems could occur, such as not being able to access the printer from the network.
MAC Address Filtering	You can restrict access based on MAC addresses. Access from outside the company is also supported. However, sufficient knowledge regarding MAC addresses is required for this function. Depending on the settings, serious problems could occur, such as not being able to access the printer from the network.

(Security Tab Continued)

Item	Description
SSL/TLS	You can encrypt configuration of settings from the webpage as well as communication between the computer (client) and printer at the time of IPP printing.
IPSec	You can configure settings to encrypt communication between the computer (client) and printer and prevent tampering.
Change Admin Password	You can change the administrator password. The default password is "aaaaaa".
Change Network Password	Change the [Network Setting] administrator password for TELNET and Configuration Tool. The default password is the last 6 alphanumerical digits of the MAC address.

• Maintenance Tab

This will be displayed if you are logged in as the printer administrator.

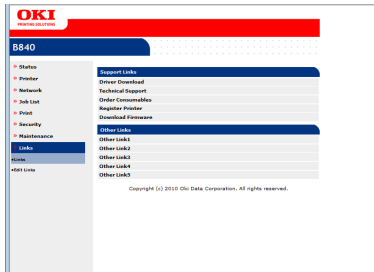


Item	Description	
Reset / Restore	Reset Printer	Restart the printer. As the network function is also restarted at the same time, the website will not be displayed until restarting is complete, even if you access from a web browser.
	Reset Network Card	Restart the network function only. If accessing the printer through the network, this connection will be broken. The website will not be displayed until restarting is completed, even if accessed from a web browser.
	Restore Printer to Factory Defaults	Initialize the printer. If you initialize the printer, you will be able to operate the printer, however, you will lose manually-set information.
	Restore Network Card to Factory Defaults	Initialize the network. If you initialize the printer, you will be able to operate the printer, however, you will lose manually-set information. Also, as the IP address will return to its initial condition, it may not be possible to display the website.

(Maintenance Tab Continued)

Item	Description
Network Scale Setting	Settings used to further improve efficiency of operations on the network. If using a hub with a spanning tree function, effects are produced if one computer is connected to one printer with a cross cable.
Time Settings	You can set the time on the printer.

• Link Tab



Item	Description
Links	Links set by the manufacturer or by the administrator are displayed.
Edit Links	The administrator can freely set the URL. 5 support links and 5 other links can be set. Enter the URL so that it includes http://.



## OKI LPR Utility (only for Windows)

You can print, manage print jobs, and check the printer status through a network connection.

### Operating environment

Computers running Windows 8.1/Windows 8/Windows 7/Windows Vista/Windows XP/Windows Server 2012 R2/Windows Server 2012/Windows Server 2008/Windows Server 2008 R2/Windows Server 2003

A computer operating with TCP/IP.

- Note!**
- The OKI LPR Utility cannot be used for shared printers. To connect with a network and then print, use a Standard TCP/IP port.
  - For setup, computer administrator rights are required.
  - The printing method function cannot be used.

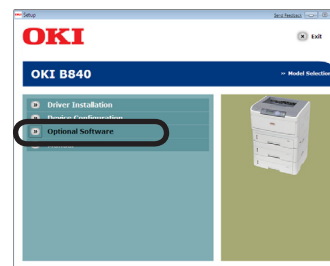
The following explanation uses Windows 7 Ultimate Edition as an example.

### Install

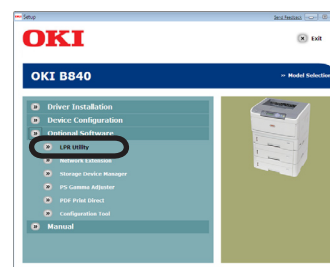
- ① Turn the printer power ON ( I ).
- ② Check that the computer is launching and set the Software DVD - ROM that comes with the printer in the drive.  
The setup program will launch.
- ③ Select the printer you are using, and click on [Next].



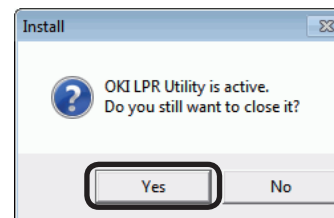
- ④ Read the [Software License Agreement], and click on [I Agree].
- ⑤ Click on [Optional Software].



- ⑥ Click on [LPR Utility].

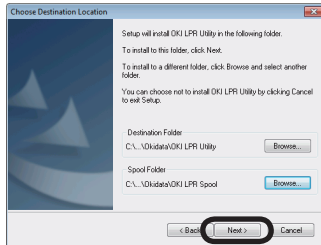


- ⑦ If launching an OKI LPR Utility that has already been installed, the completion screen will come up, so click on [Yes].

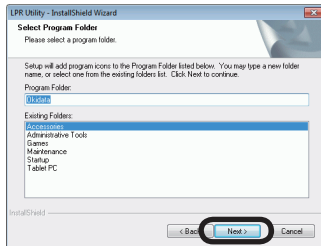


- ⑧ The setup program will start, so click on [Next].

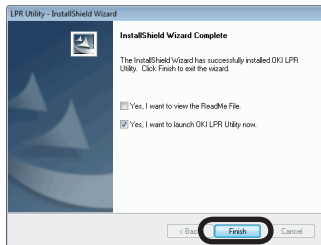
- ⑨ Check the destination to install to and spool destination, and click on [Next].



- ⑩ Confirm that there is a check placed in [Register at Startup], and click on [Next].
- ⑪ Check the program folder name and click on [Next].



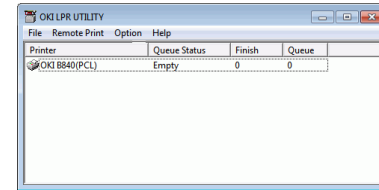
- ⑫ Click on [Finish].



■ Main methods of use

• Launching the Utility

- ① Select [Start] - [All Programs] - [Okidata] - [OKI LPR Utility] - [OKI LPR Utility].  
The following kind of screen will be displayed.

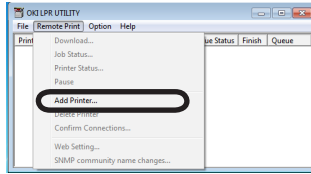


• Add a Printer

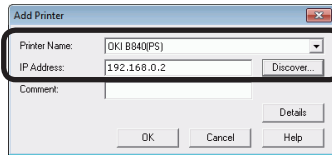
You can change the printing destination port to the OKI LPR port.

- Note!**
- You cannot set settings for already registered in OKI LPR Utility. If you want to change the port, select [Set Printer Again].
  - You cannot add or delete printers if other users are also using it by using the easy user switchover function.
  - Computer administrator rights are required.
  - If you wish to add a printer in Windows 7 /Windows Vista / Windows Server 2008 /Windows Server 2008 R2, close the OKI LPR Utility once, right click on [Start] - [All Programs] - [Okidata] - [OKI LPR Utility] - [OKI LPR Utility], and select [Run as administrator] in order to launch.

- 1 Select [Add Printer] from the [Remote Print] menu.



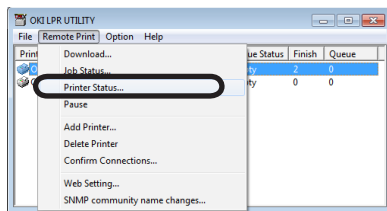
- 2 Enter the printer name in [Printer Name] and the printer IP address in [IP Address], and click on [OK].



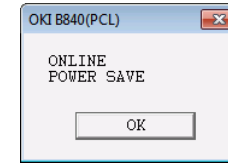
- Memo** • It will only be displayed if the printer driver in [Printers and Faxes] folder has been added in [Printer Name]. If a network printer is set it will not be displayed.
- You can search for Oki Data printers on the network by clicking on [Discover].

#### • Check the Status of the Printer

- 1 Select a printer.
- 2 Select [Printer Status] from the [Remote Print] menu.



The status of the machine is displayed.



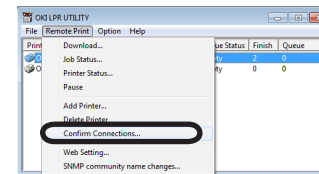
- Memo** • You can also select [Status] in the job display dialog.

#### • Print Simultaneously with Multiple Printers

You can print from multiple printers with a single print command.

- Note!** • You must set printers from which you print simultaneously to be the same printer model.
- Computer administrator rights are required.

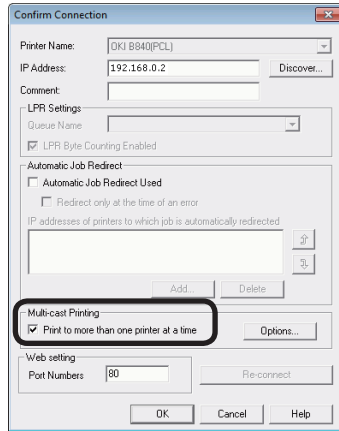
- 1 Select a printer.
- 2 Select [Confirm Connections] from the [Remote Print] menu.



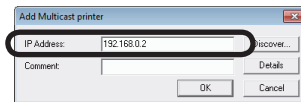
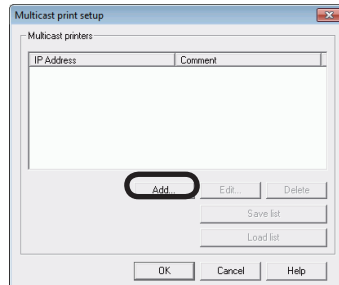
- 3 Click on [Details].



- ④ Put a check in [Print to more than one printer at a time] and click on [Options].



- ⑤ Click on [Add] to set the IP address of printers to print simultaneously from.



- Memo** • You can also add comments to printers from which you print simultaneously. (P 172)

- ⑥ Repeat the operation in step ⑤ for the number of printers you want to add.

- Memo**
- You can save added printer information by clicking on [Save list].
  - You can import or delete saved printer information by clicking on [Load list].

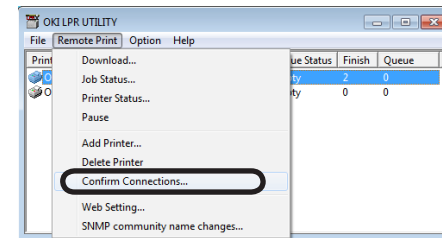
- ⑦ Click on [OK].

### Automatically Transfer Printer Data

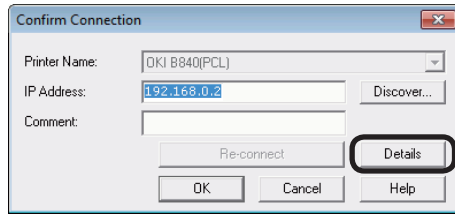
You can have print data automatically forwarded to other printers when printing cannot be done due to a printer being in - use, offline, or out of paper.

- Note!**
- You cannot forward to printers made by other manufacturers. You must forward to the printers with the same model name.
  - Computer administrator rights are required.

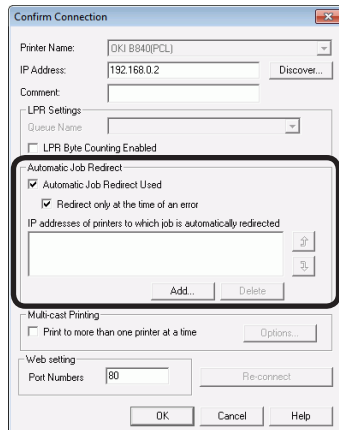
- ① Select a printer.
- ② Select [Confirm Connections] from the [Remote Print] menu.



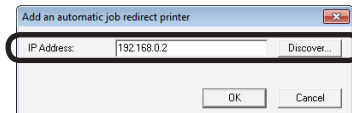
- ③ Click on [Details].



- ④ Put a check in [Automatic Job Redirect Used].  
If you want to only forward if an error occurs, such as if the printer is [Offline] or [Out of Paper], put a check in [Redirect only at the time of an error].
- ⑤ Click on [Add].

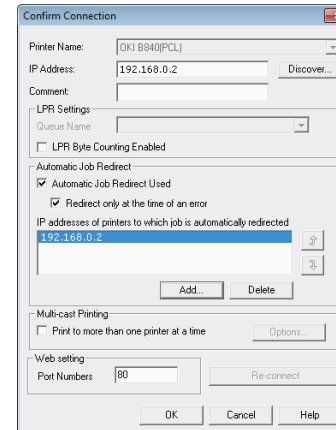


- ⑥ Set the IP address of the forwarding destination.



- Memo**
- You can search for Oki Data printers on the network by clicking on [Discover].

- ⑦ Repeat the operation in step ⑤ to ⑥ for the number of candidate forwarding destinations.



- Memo**
- To change the order of priority of forwarding destinations, select the printer for which you want to change the priority from [IP addresses of printers to which job is automatically redirected], and click the vertical [↑] or [↓] button. (Click the [↑] to raise the level of priority, and click the [↓] button to lower the level of priority).

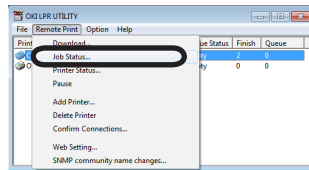
- ⑧ Click on [OK].

## • Manually Transfer Printer Data

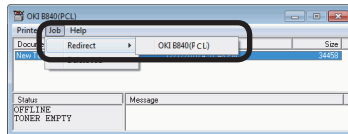
You can have print data manually forwarded to other printers registered on the OKI LPR Utility when printing cannot be done due to a printer being in - use, offline, or out of paper.

- Note!**
- You cannot forward to printers made by other manufacturers.
  - Please forward to the printers with the same model name.

- ① Select a printer.
- ② Select [Job Status] from the [Remote Print] menu.



- ③ Select the print job you want to transfer and select the forwarding destination printer in [Redirect] within the [Job] menu.



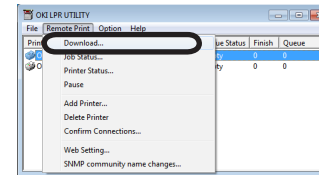
The job will be sent to the destination printer.

## • Download the file to the printer

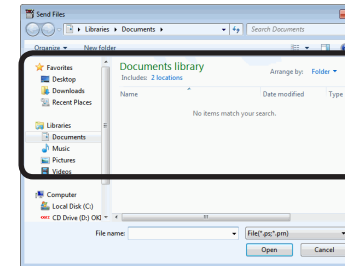
You can download the file to the printer and print it.

- ① Select a printer.

- ② Select [Download] from the [Remote Print] menu.



- ③ Select the file to download and click on [Open].



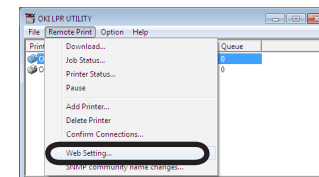
Start the file download.

## • Launch a web browser

You can launch a web browser, set the printer network and configure menu settings from the OKI LPR Utility.

 Web browser (P 121)

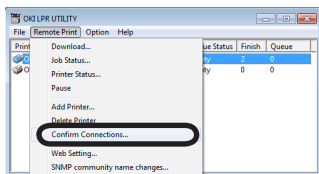
- ① Select a printer.
- ② Select [Web Setting] from the [Remote Print] menu.



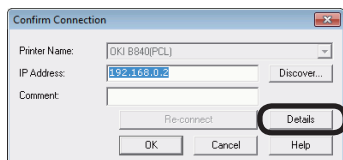
**Memo**

- If the web port number has been changed, change the OKI LPR Utility port number settings using the following procedure.

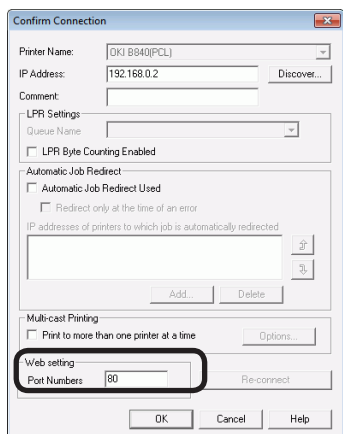
- ① Select a printer.
- ② Select [Confirm Connections] from the [Remote Print] menu.



- ③ Click on [Details].



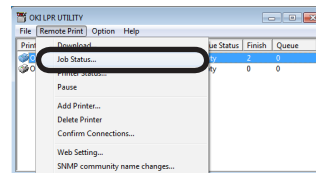
- ④ Enter the web port number into [Port Numbers].



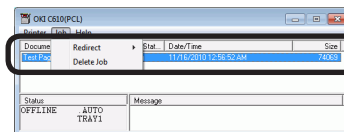
- ⑤ Click on [OK].

- Delete Print Data

- ① Select a printer.
- ② Select [Job Status] from the [Remote Print] menu.



- ③ Select the print job you want to delete and select [Delete Job] within the [Job] menu.

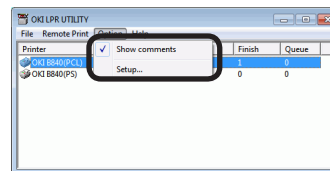


- Automatically Configuring the IP Address

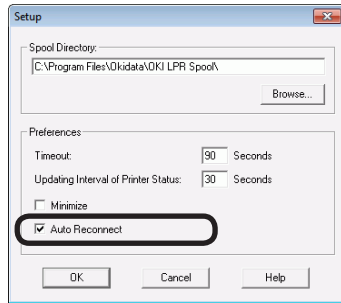
If the IP address of a printer connected to the DHCP server changes when turning on the power to it, you can automatically search for the changed IP address and reconfigure it.

- Note!**
- The search target is as per the OKI LPR Utility search range.
  - Computer administrator rights are required.

- ① Select [Setup] from the [Option] menu.



② Put a check in [Auto Reconnect].



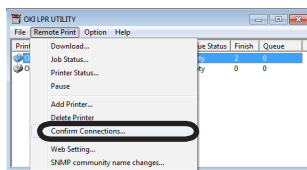
③ Click on [OK].

• Change printer settings (add comments.)

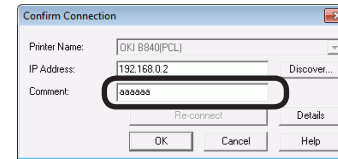
You can add a comment to a printer you have added to the OKI LPR Utility. This is useful for entering items such as the printer installation location and the printer optional equipment.

① Select a printer.

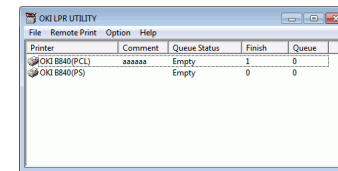
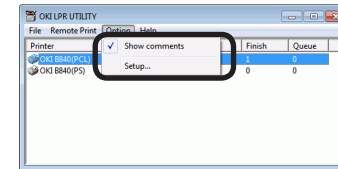
② Select [Confirm Connections] from the [Remote Print] menu.



③ Enter a comment in [Comment] and then click on [OK].



④ Select [Show comments] from the [Option] menu.





## Network Extension (only for Windows)

You can check setting items from the printer driver and easily set the composition of printer options.

### Operating environment

Computers running Windows 8.1/Windows 8/Windows 7/Windows Vista/Windows XP/Windows Server 2012/Windows Server 2012 R2/Windows Server 2008/Windows Server 2008 R2/Windows Server 2003

A computer operating with TCP/IP

- Note!**
- The printer driver must be installed in order to carry out operations related to the printer driver.
  - If you install a printer driver with a TCP/IP network connection, Network Extension will be automatically installed.
  - Connection to the printer driver is only carried out in the following situations.
    - OKI LPR Port
    - Standard TCP/IP Port
  - If the operating environment does not match, the [Option] tab will not be displayed, even if Network Extension is installed.
  - For setup, computer administrator rights are required.

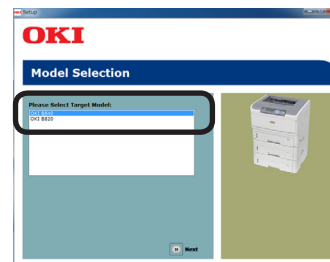
### Install

Here Windows 7 Ultimate Edition is used as an example.

- ① Turn the printer power ON ( I ).
- ② Check that Windows is launching and set the Software DVD - ROM, that comes with the printer, in the drive. The setup program will launch.

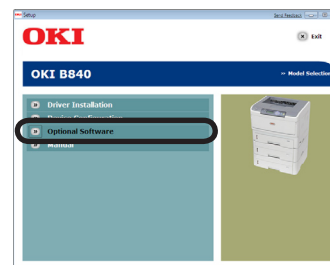
- Memo**
- If [Run Automatically] is displayed, click [Run setup.exe].
  - If [User Account Restrictions] is displayed, click [Yes] (in Windows Vista/Windows Server 2008, this is [Continue] ).

- ③ Select the printer you are using, and click on [Next].

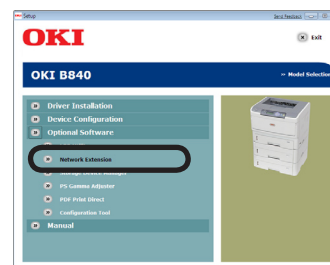


- ④ Read the [Software License Agreement], and click [I Agree].

- ⑤ Click [Optional Software].



- ⑥ Click [Network Extension].



- ⑦ Click [Next].
- ⑧ Click [Finish].

## ■ Main methods of use

### • Check Printer Settings

You can check the details of the connected printer settings.

- ① For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].

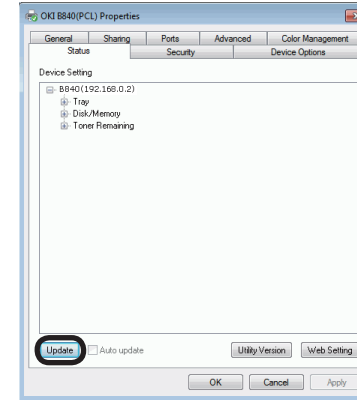
For Windows Vista/Windows Server 2008, select [Start] - [Control Panel], and then click on [Printers].

For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].

For Windows Server 2003, select [Start] - [Printers & Faxes].

- ② With your mouse, right click on the printer driver for which you want to check the settings, and select [Printer Properties] or [Properties].
- ③ Click the [Status] tab.

- ④ Click [Update].



(The Windows PCL printer driver screen)

The details of the printer settings are displayed in [Device Settings].

- ⑤ Click on [OK].

### • Set Options Automatically

You can get the composition of options of the connected printer and automatically configure the printer driver settings.

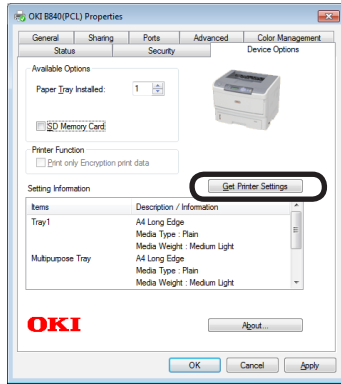
- ① For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].

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

For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].

For Windows Server 2003, select [Start] - [Printers & Faxes].

- ② With your mouse, right click on the printer driver icon for which you want to configure the settings, and select [Printer Properties] or [Properties].
- ③ Click the [Device Options] tab (for B840PS drivers, this is [Device Settings] ).
- ④ Click on [Get Printer Settings]. (For B840 PS drivers, click on [Get Printer Information] and then click on [Setup].)



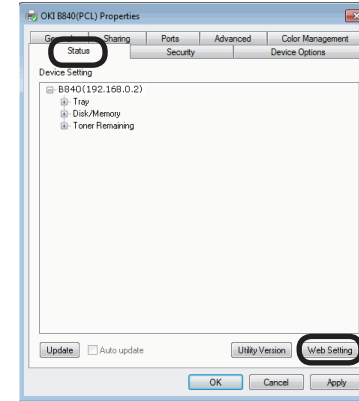
(The Windows PCL driver screen)

- ⑤ Click on [OK].

• Launch a web browser

- ① For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].  
For Windows Vista/Windows Server 2008, select [Start] - [Control Panel], and then click on [Printers].  
For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].  
For Windows Server 2003, select [Start] - [Printers & Faxes].

- ② With your mouse, right click on the printer driver for which you want to check the settings, and select [Printer Properties] or [Properties].
- ③ Click the [Status] tab.
- ④ Click on [Web Setting]. Launch a web browser.  
➡ Web browser (P 121)



(The Windows PCL driver screen)

## Network Card Setup (only for Windows)

You can configure printer network settings or display the web browser.

### Operating environment

Windows 8.1/Windows 8/Windows Server 2012/Windows Server 2012 R2/Windows 7/Windows Vista/Windows Server 2008/Windows Server 2008 R2/Windows XP/Windows Server 2003

A computer operating with TCP/IP

- Note!**
- For Windows 7/Windows Vista/Windows Server 2008/Windows Server 2008 R2/Windows XP/Windows Server 2003 administrator rights are required for setup.

Here Windows XP Home Edition is used as an example.

### Main methods of use

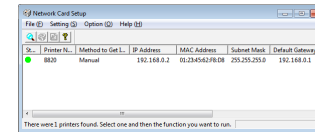
#### Launching the Utility

- Turn the printer power ON ( I ).
- Check that Windows is launching and set the Software DVD - ROM in the drive.

The setup program will launch.

- Select the printer you are using, and click on [Next].
- Read the [Software License Agreement], and click [I Agree].

- Click on [Device Configuration] and click on [Network Card Setup].  
Launch Network card setup.



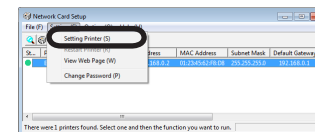
- Memo**
- If at the time of launching the NIC Setting Tool on Windows 7/Windows Vista/Windows Server 2008/Windows Server 2008 R2/Windows XP/Windows Server 2003 there is a message displayed saying [Windows Security Alert], click [Allow access].

#### Configure printer network settings

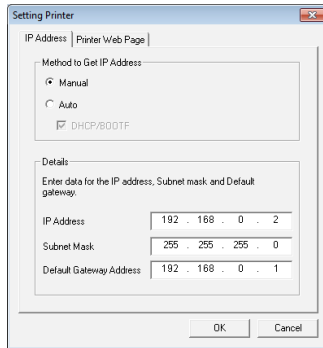
- NIC Settings Tool will launch.
- Refer to the IP address or the MAC address from the list, and select the printer you would like to configure.

- Memo**
- The MAC address will be displayed in Network Information. (Setup Instructions)
  - For initial configuration, the method of obtaining IP addresses is [DHCP/BOOTP]. If there is a DHCP/BOOTP server on the network, the IP address obtained from the network will be displayed.

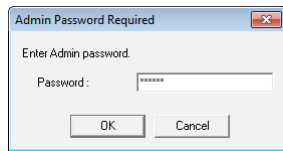
- Select [Setting Printer] from the [Setting] menu.



- ④ Enter the required items and click on [OK].

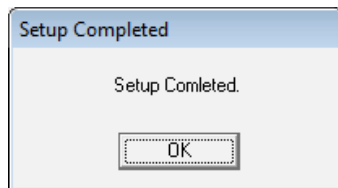


- ⑤ Enter the password in [Admin Password Required] and then click [OK].

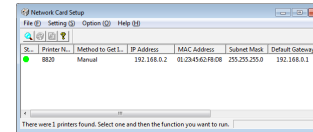


- Note!**
- On the first time the password is the last 6 digits of the referenced MAC Address. In this example, it is 62F8D8.
  - When entering the password, [\*\*\*\*\*] will be displayed on the screen.
  - When entering the password, please make sure that you enter upper and lower - case letters correctly.

- ⑥ If [Setup Completed] is displayed, click [OK]. Printer restarting will commence.



- ⑦ When restarting the printer has finished, the set printer status will turn ● (Green).



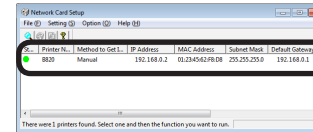
- ⑧ Close Network card setup.

### • Display the website

- ① Launch Network card setup.

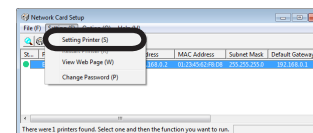
➤ Launching (P 176)

- ② Refer to the IP address or the MAC address from the list, and select the printer you would like to configure.

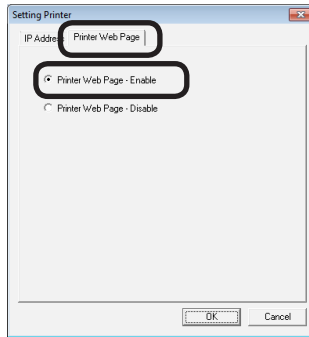


- Note!**
- The MAC address will be displayed in Network Information. (Setup Instructions)
  - For initial configuration, the method of obtaining IP addresses is [DHCP/BOOTP]. If there is a DHCP/BOOTP server on the network, the IP address obtained from the network will be displayed.

- ③ Select [Setting Printer] from the [Setting] menu.



- 4 Select [Printer Web Page - Enable] in the [Printer Web Page] tab, and click on [OK].



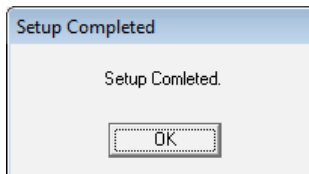
- 5 Enter the password in [Admin Password Required] and then click [OK].



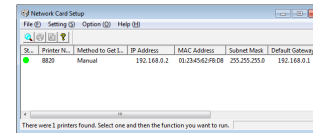
**Memo**

- On the first time the password is the last 6 digits of the referenced MAC Address. In this example, it is 62F8D8.
- When entering the password, [\*\*\*\*\*] will be displayed on the screen.
- When entering the password, please make sure that you enter upper and lower - case letters correctly.

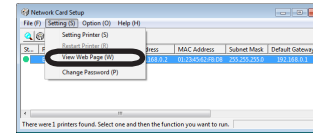
- 6 If [Setup Completed] is displayed, click [OK]. Printer restarting will commence.



- 7 When restarting the printer has finished, the set printer status will turn ● (Green).



- 8 Select [View Web Page] from the [Setting] menu.



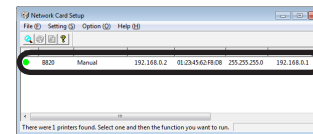
The website will be displayed.

• Change the network password

- 1 Launch Network card setup.

Launching (P 176)

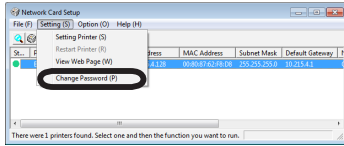
- 2 Refer to the IP address or the MAC address from the list, and select the printer you would like to configure.



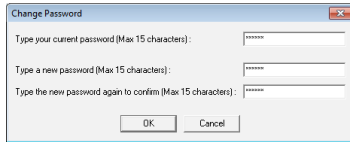
**Memo**

- If the webpage is displayed, the MAC address is displayed in [Printer Information]. (P 195)
- For initial configuration, the method of obtaining IP addresses is [DHCP/BOOTP]. If there is a DHCP/BOOTP server on the network, the IP address obtained from the network will be displayed.

- ③ Select [Change Password] from the [Setting] menu.



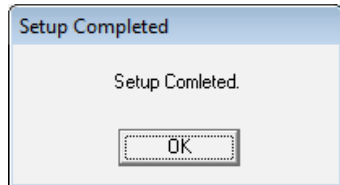
- ④ Enter the current password and new password and click [OK].



**Memo**

- On the first time the password is the last 6 digits of the referenced MAC Address. In this example, it is 62F8D8.
- When entering the password, [\*\*\*\*\*] will be displayed on the screen.
- When entering the password, please make sure that you enter upper and lower - case letters correctly.

- ⑤ If the [Setting Complete] screen is displayed, click [OK].



• Setting the Environment

- ① Launch Network card setup.

☞ Launching (P 176)

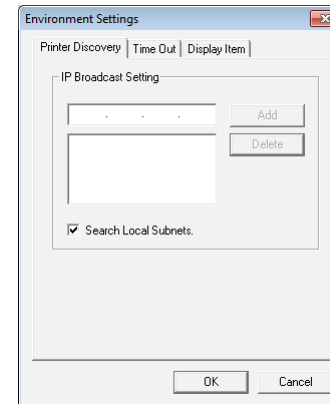
- ② Select [Environment Settings] from the [Option] menu.

[Printer Discovery] tab

You can set the search conditions for the printer you are looking for.

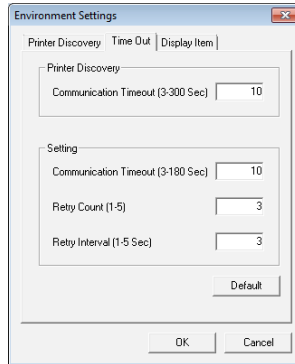
You can search for printers on the same segment by enabling [Search Local Subnets].

If searching for individual printers you can add the IP address of the printer you are searching for.



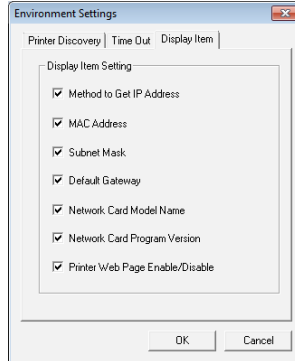
### [Time Out] Tab

You can set the amount of time until timeout.



### [Display Item] tab

You can set the items displayed in a list.





# Network Card Setup (only for Macintosh)

You can configure network settings or view the web browser.

## Operating environment

Mac OS X 10.6.8 - 10.9

## Main methods of use

### Launching the Utility

- 1 Set the Software DVD - ROM in the computer.
- 2 Click on [Network Card Setup] in [Utility] - [Network Card Setup] folder.



### Search for a Printer

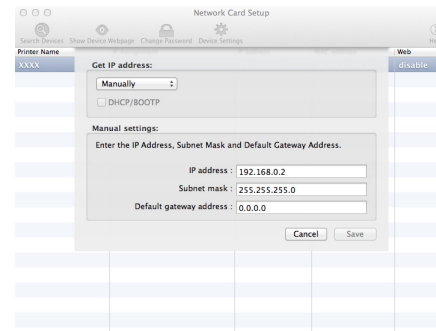
- 1 Launch Network Card Setup.
- 2 Select [Search Devices] from the [Operations] menu. The printer information is displayed in a list.

- Memo** • If you want to change the search conditions, please refer to Set Printer Search Conditions. (P 183)

### Configure the IP Address

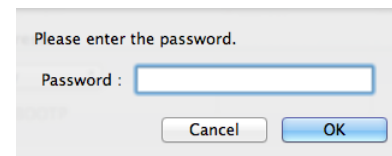
- Memo** • For initial configuration, the method of obtaining IP addresses is [DHCP/BOOTP]. If there is a DHCP/BOOTP server on the network, the IP address obtained from the network will be displayed.

- 1 Launch Network Card Setup.
- 2 Select [IP Address Settings] from the [Operations] menu.
- 3 Enter the required items and click on [Save].




- 4 Enter the password in [Password] and then click [OK].

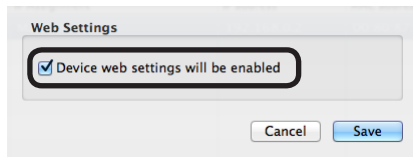
- Memo** • In the default settings, the password is the last 6 digits of the MAC address.  
• The MAC address will be displayed in Network Information. (Setup Instructions)



- ⑤ If [Settings updated successfully.] is displayed, click [OK]. Restart the printer.

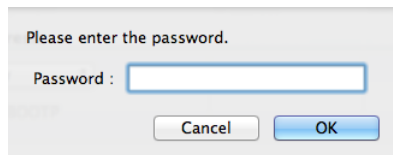
#### • Display the website

- ① Launch Network Card Setup.  
 Launching (P 181)
- ② Select [Web Settings] from the [Operations] menu.
- ③ Check [Device web settings will be enabled] and click on [Save].



- ④ Enter the password in [Password] and then click [OK].

- Memo**
- In the default settings, the password is the last 6 digits of the MAC address.
  - The MAC address will be displayed in Network Information. (Setup Instructions)



- ⑤ If [Settings updated successfully.] is displayed, click [OK]. The printer will launch.

- ⑥ If the printer starts up, select the printer which you want to change the settings for from the printers displayed in Network Card Setup, and select [Show Device Webpage] in the [Operations] menu. The printer website will be displayed.

#### • Changing the Password

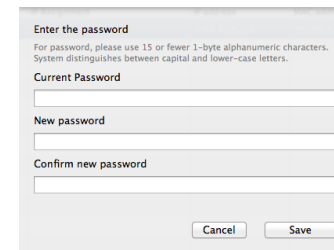
You can change the password used to configure the printer settings.

- Memo**
- In the default settings, the password is the last 6 digits of the MAC address.
  - If the webpage is displayed, the MAC address is displayed in [Printer Information]. (P 177)

- ① Launch Network Card Setup.

 Launching (P 181)

- ② Select the printer you want to change the settings for and select [Change Password] on the [Operations] menu.
- ③ Enter the current password.
- ④ Enter a new password.
- ⑤ For confirmation purposes, reenter the new password.
- ⑥ Click [Save].



- ⑦ If [Settings updated successfully.] is displayed, click [OK]. The printer will restart.

- Set the search conditions for the printer you are looking for

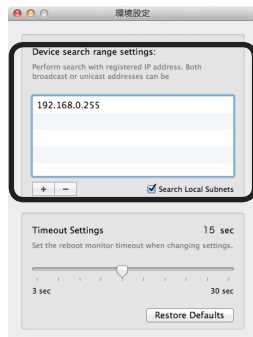
The settings will be saved until the next time you launch Network Card Setup.

If searching for individual printers you can add the IP address of the printer you are searching for.

- ① Launch Network Card Setup.

 Launching (P 181)

- ② Select [Preferences...] from the [Network Card Setup] menu.
- ③ Click [+] and enter IP address you want to register.
- ④ If you want to delete the registered IP address, select the address you want to delete from the list and click [-].
- ⑤ If you want to search for a printer in the same segment, put a check in [Search Local Subnets].



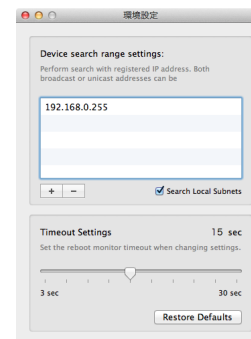
- Set timeout conditions

You can set the reboot monitor timeout.

- ① Launch Network Card Setup.

 Launching (P 181)

- ② Select [Preferences...] from the [Network Card Setup] menu.
- ③ Enter required items.



## TELNET (Common to Windows/ Mac OS X)

You can set each network protocol for the printer.

### ■ Main methods of use

The following explanation uses the environment shown below as an example.

Windows : Windows XP Professional  
 Printer : B840dn  
 IP Address : 192.168.0.2  
 MAC Address : 00:80:87:84:9C:9B

- Memo** • If you launch the web browser, the MAC address will be displayed in [Printer Information]. (P 121)

### • Launching the Utility

#### ① If you are using Windows

Start the command prompt.

#### If you are using Mac OS X

Start the terminal.

#### ② Check the connection using a ping command.

```
ping 192.168.0.2
```

#### ③ Connect to the printer using telnet.

```
telnet 192.168.0.2
```

#### ④ Enter a login name and password.

- Memo** • The login name is [root] and the initial password value is the [Last 6 Digits of the MAC Address].

```
B840dn TELNET Server (Ver 01.00) .
login: root
'root' user needs password to login.
password:
User 'root' logged in.
```

### • Configure each type of settings

#### ① Launch TELNET.

```
No. MENU (level.1)
- - - - -
 1 : Status / Information
 2 : Printer Config
 3 : Network Config
 4 : Security Config
 5 : Maintenance
99 : Exit Setup
Please select (1 - 99) ?
```

#### ② Enter the number for the item to change and press the Enter key.

#### ③ Set each item.

#### ④ Log out from the printer.

The values set in the printer are saved and the network function is restarted.

# Chapter 9 Troubleshooting

Cannot print from Windows .....	186
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Deleting a Printer Driver .....	192
Updating a Printer Driver.....	197
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## Cannot print from Windows

- Note!** • For questions related to applications, please enquire at each application vendor.

### • Initial checks

#### Occurrence











- Check the LINK 100M lamp (Green) /LINK 10M lamp (Green). If connected to 100BASE - TX/10BASE - T, either will be lit. If it is not lit, the network is not functioning correctly.
- Check the STATUS lamp (Orange). This flashes when data is being received. If it is flashing at regularly intervals (1 or 0.1 seconds), always flashing, or always off, the network is not functioning correctly.
- The hub LINK lamp is not flashing.
- There is no response to a ping.
- Printing was not complete, and printing was cancelled.

### • If the network connection is the cause

- Check that the printer power is ON ( I ).
- Check that the cable is properly connected to the printer.
- Check that it is connected with the correct cable. There are two types of cable, straight cable and cross cable. Straight cables are used to connect to hubs.
- Turn the printer power ON ( I ), after connecting the cable. If you turn the printer power ON ( I ) before connecting the cable, you may not be able to connect to the network.

### • If the compatibility of the hub is the reason

Communication may be unstable due to compatibility of the hub. Set the printer's [HUB LINK SETTING] to [10BASE - T HALF]. Please refer to the below for the method of configuring settings.

- ① Press the  or the  button several times, and the [NETWORK MENU] will be displayed.
- ② Press the  **ENTER** button.
- ③ Press the  or the  button, and [HUB LINK SETTING/AUTO NEGOTIATE] will be displayed.
- ④ Press the  **ENTER** button.
- ⑤ Press the  or the  button several times, and the [10BASE - T HALF] will be displayed.
- ⑥ Press the  **ENTER** button, and a [\*] will appear on the right side of the value.
- ⑦ Press the  **Online** button, and [ONLINE] will be displayed.

Change the hub operation mode (100BASE - TX/10BASE - T, Full double redundancy/ Half redundancy) from Automatic Toggle to 10BASE - T HALF. (Please refer to the hub manual for the method of configuring settings.)

- If this has still not solved the problem

### Windows Vista

- Select [Start] - [Control Panel] - [Display Network Status and Tasks] - [Network Connection Management]. Click the [Local Area Connection] tab, and click on [Properties] on the [Local Area Connection] screen. If the [User Account Controls] screen is displayed, click [Continue]. Check that [Internet Protocol Version 4 (TCP/IPv4)] is displayed.
- Click on [Properties] in [Internet Protocol Version 4 (TCP/IPv4)] and check that the [IP Address], [Subnet Mask], and [Default Gateway] are correct.
- If you set the printer by IP address at the time of setting up, make the first part of each octet not [0]. E.g. set it such as [192.169.1.2]. You cannot print correctly with it set to something like [192.169.001.002]. This is based on the Windows Vista specifications.
- Right click on the icon of the printer you are using in the [Printers] folder, select [Properties], click on [Port Build] in the [Ports] tab, and check that [Printer Name or IP Address] matches the printer's IP address.
- For small networks, configure the following settings.

[IP Address]	Windows	192.168.0.3
	Printer	192.168.0.2
[Subnet Mask]	Windows	255.255.255.0
	Printer	255.255.255.0
[Gateway]	Windows	Do not use
	Printer	0.0.0.0

### Windows XP/Windows Server 2003

- Select [Start] - [Control Panel] - [Networks & Internet Connections] - [Network Connections]. (For Windows Server 2003, select [Start] - [Control Panel] - [Network Connections]. Double - click on [Local Connection], and check that [Internet Protocol (TCP/IP)] is displayed in [Properties].

- Click on [Properties] in [Internet Protocol (TCP/IP)], and check that the [IP address], [Subnet Mask], and [Default Gateway] are correct.
- If you set the printer by IP address at the time of setting up, make the first part of each octet not [0]. E.g. set it such as [192.169.1.2]. You cannot print correctly with it set to something like [192.169.001.002]. This is based on Windows XP/Windows Server 2003 specifications.
- Right - click on the icon of the printer you are using within the [Printers & Faxes] folder, click on [Port Build] within the [Port] tab, and check that [Printer Name or IP Address] matches the printer's IP address.
- On the main screen of OKI LPR Utility, select the printer you are using, select [Remote Print] - [Confirm Connections], and check that the [IP Address] matches the printer IP address.
- You can get the latest OKI LPR Utility from the Okidata website (<http://www.okiprintingsolutions.com/>). When updating the OKI LPR Utility, you can delete the old version and then install the latest one.
- Check the printer status in the OKI LPR Utility. If it goes into [Pause], select the printer that has been stopped, and remove the check from [Remote Print] - [Pause].
- For small networks, configure the following settings.

[IP Address]	Windows	192.168.0.3
	Printer	192.168.0.2
[Subnet Mask]	Windows	255.255.255.0
	Printer	255.255.255.0
[Gateway]	Windows	Do not use
	Printer	0.0.0.0

• Dealing with cases with other causes

Cannot Print.	
The printer power is OFF ( O ).	☞ Turn the printer power ON ( I ).
The interface is disabled.	☞ Change the [PARALLEL] or [USB] in the printer's menu settings to [ENABLE].
The printer cable has come out.	☞ Plug the printer cable in.
It goes [OFFLINE].	☞ Press the Online button to make it go [ONLINE].
There is a problem with the printer cable.	☞ If you have a spare cable, replace the other one with it.
Using a switch, buffer, extension cable and USB hub.	☞ Connect the printer directly to the computer.
The printer driver output port is incorrect.	☞ Set the output port to the one to which the printer cable is connected to.
Dealing with printing from other interfaces.	☞ Please wait until print processing is complete.
The printer driver does not show [Commonly - Used Printers].	☞ Make it into a [Commonly - Used Printer].
Another bidirectional parallel or USB operated printer driver is installed.	☞ Delete the other printer drivers.
The I - PRIME settings do not match the computer.	☞ Make the [I - PRIME] in the printer menu into [3 MICRO SEC] or [50 MICRO SEC].

There is insufficient memory.  
 Launch multiple applications simultaneously. ☞ Close applications you are not using.

Printing is slow.  
 Print processing is carried out on the print processing side. ☞ Use a computer with a fast processing speed.  
 Select [High Definition] in [Print Quality] or [Resolution]. ☞ Set the printer driver's [Print Quality] to [Normal] or [Fast].  
 The print data is complicated. ☞ Make the print data more simple.

Set up with a network connection. Cannot Print.  
 There is a problem with the setup or method of printing. ☞ Refer to Cannot Print Through the Network (P 191).



## Cannot print from Macintosh

- Note!** • For questions related to applications, please enquire at each application vendor.











### • Initial checks

#### Occurrence

- Check the LINK 100M lamp (Green) /LINK 10M lamp (Green).
  - If connected to 100BASE - TX/10BASE - T, either will be lit. If it is not lit, the network is not functioning correctly.
  - Check the STATUS lamp (Orange). This flashes when data is being received. If it is flashing at regularly intervals (1 or 0.1 seconds), always flashing, or always off, the network is not functioning correctly.
  - The hub LINK lamp is not flashing.
  - There is no response to a ping.
  - Printing was not complete, and printing was cancelled.
- If the network connection is the cause
- Check that the printer power is ON ( | ).
  - Check that the cable is properly connected to the printer.
  - Check that it is connected with the correct cable. There are two types of cable, straight cable and cross cable. Straight cables are used to connect to hubs.
  - Turn the printer power ON ( | ), after connecting the cable. If you turn the printer power ON ( | ) before connecting the cable, you may not be able to connect to the network.

### • If the compatibility of the hub is the reason

Communication may be unstable due to compatibility of the hub. Set the printer's [HUB LINK SETTING] to [10BASE - T HALF]. Please refer to the below for the method of configuring settings.

- ① Press the  or the  button several times, and the [NETWORK MENU] will be displayed.
- ② Press the  **ENTER** button.
- ③ Press the  or the  button, and [HUB LINK SETTING/AUTO NEGOTIATE] will be displayed.
- ④ Press the  **ENTER** button.
- ⑤ Press the  or the  button several times, and the [10BASE - T HALF] will be displayed.
- ⑥ Press the  **ENTER** button, and a [\*] will appear on the right side of the value.
- ⑦ Press the  **Online** button, and [ONLINE] will be displayed.

Change the hub operating mode (100BASE - TX/10BASE - T, full redundancy/half redundancy) to 10BASE - T HALF. (Please refer to the hub manual for the method of configuring settings.)

- If this has still not solved the problem

- Confirm that there is a check in [Internal Ethernet] within [Apple Menu] - [System Preferences] - [Internet and Networks] - [Network] - [Display] - [Network Port Settings].

- Dealing with cases with other causes.

Printing is slow.	
Print processing is carried out on the print processing side.	➤ Use a computer with a fast processing speed.
Select [High Resolution] for [Printer Quality].	➤ Set the printer driver's [Print Quality] or [Resolution] to [Normal] or [Fast].
The print data is complicated.	➤ Make the print data more simple.

EPS files cannot be printed neatly.	
EPS type files are printed with screen resolution 72dpi, because they cannot be recognized by QuickDraw (the MacOS drawing system).	➤ Change the file to a PICT, TIFF, or other graphic format. Use a PS printer driver for B840dn.

The network connection cannot be set up. Cannot Print.	
There is a problem with the setup or method of printing.	➤ Refer to Cannot Print Through the Network (P 191).

## Cannot print through the network

### • Utilities

- Check that printer detection can be done in Configuration Tool or in Network Card Setup (Windows).
- Check that the printer can be detected in Network Card Setup (Macintosh).
- Check that you can connect to the printer with the web browser. (P 121).
- Check that you can connect to the printer with telnet.
- Check that you can connect to the printer with a ping. Enter [ping xxx.xxx.xxx.xxx] (xxx.xxx.xxx.xxx is the printer's IP address) on the Windows command prompt (MS - DOS prompt) and press the Enter key.

### • UNIX

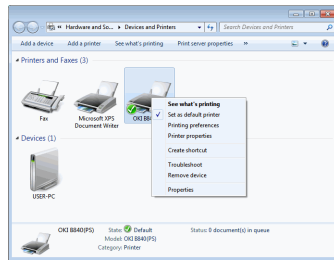
- Check that the printer's [IP Address] and [Host Name] is registered in "/etc/hosts file".
- If using an lp protocol, check that the remote printer's logical printer name (e.g.: rp=lp) is registered in "/etc/printcap file". With B840dn, logical printer names are "lp", "sjis", and "euc", and "lp" is used for non - convertible output settings, "sjis" is used for shift JIS PostScript Japanese character conversion output, and "euc" is used for EUC PostScript Japanese character conversion output. All others are disabled. With B820n, the only enabled logical printer name is "lp".
- If using an ftp protocol, check whether an output destination (an internet port logical device name) is set. With B840dn, output destinations are "lp", "sjis", and "euc", and "lp" is used for non - convertible output settings, "sjis" is used for shift JIS PostScript Japanese character conversion output, and "euc" is used for EUC PostScript Japanese character conversion output. All others are disabled. With B820n, the only enabled output destination is "lp".

## Deleting a Printer Driver

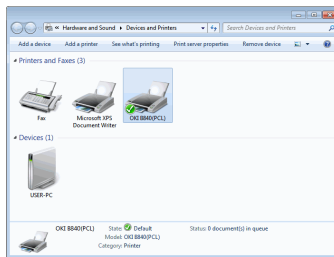
- If you are using Windows 8/8.1/Windows Server 2012/Server 2012 R2/Windows 7/Windows Server 2008 R2

**Note!** • Computer administrator rights are required.  
• If Windows is launching, restart it.

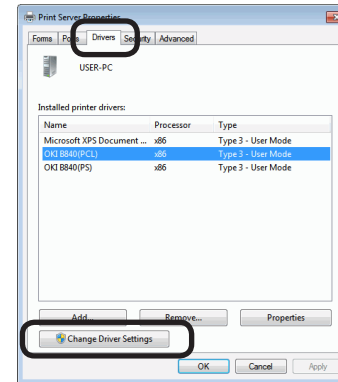
- ① Select [Start] - [Devices and Printers].
- ② Select the printer name you want to delete, right click and select [Delete device].
- ③ Select any printer icon from the [Devices and Printers] folder.



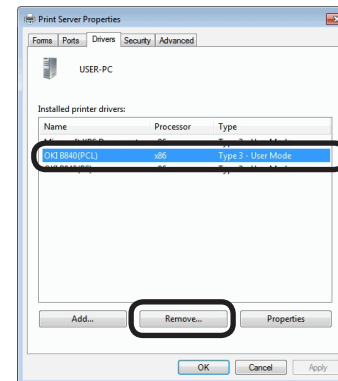
- ④ Click on [Print Server Properties] from the menu.



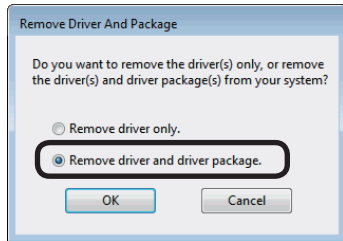
- ⑤ Select the [Drivers] tab in [Print Server Properties].
- ⑥ Click [Change Driver Settings].



- ⑦ Select the printer name you want to delete, and click [Remove].



- ⑧ If Remove Driver And Package is displayed, select [Remove driver and driver package] and click [OK].



- ⑨ If [Print Server Properties] appears, click [Yes].

- Note!** • If a message appears saying [The specified printer driver is currently in use.], restart Windows and carry out deletion of the printer driver again.

- ⑩ If deletion is complete, click [OK].

- ⑪ If you return to [Print Server Properties], click [Close].

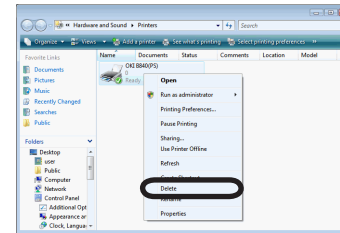
- ⑫ Restart Windows.

■ If you are using Windows Vista/Windows Server 2008

- Note!** • Computer administrator rights are required.  
• If Windows is launching, please restart it.

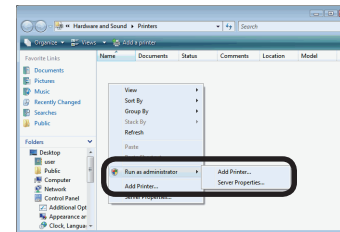
- ① Select [Start] - [Control Panel], and click on [Printers].

- ② Right - click on the icon of the printer you want to delete, and select [Delete].



- ③ If a confirmation message is displayed, click [Yes].

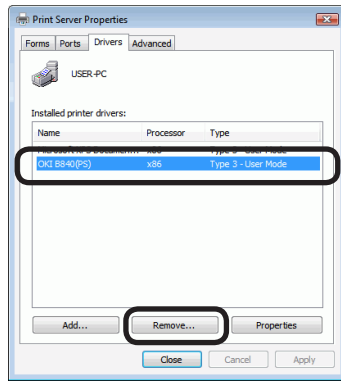
- ④ Without the printer icon selected, right - click on it, and select [Run as administrator] - [Server Properties].



- ⑤ If [User Account Control] is displayed, click [Continue].

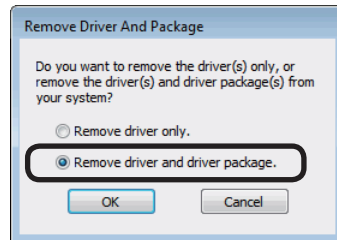
- ⑥ Select the [Drivers] tab in [Print Server Properties].

- ⑦ Select the printer name you want to delete, and click [Remove].



- Note!** • If a message appears saying [The specified printer driver is currently in use.], restart Windows and carry out deletion of the printer driver again.

- ⑧ If [Remove Driver And Package] is displayed, click [Remove driver and driver package.] and click [OK].



- ⑨ If a confirmation message is displayed, click [Yes].
- ⑩ If [Remove driver and driver package.] is displayed, click on [Delete].
- ⑪ If deletion is complete, click [OK].
- ⑫ If you return to [Print Server Properties], click [Close].
- ⑬ Restart Windows.

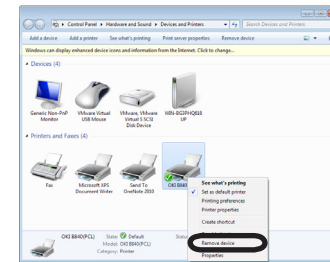
- If you are using Windows XP/Windows Server 2003

- Note!** • Computer administrator rights are required.  
• If Windows is launching, please restart it.

- ① For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].

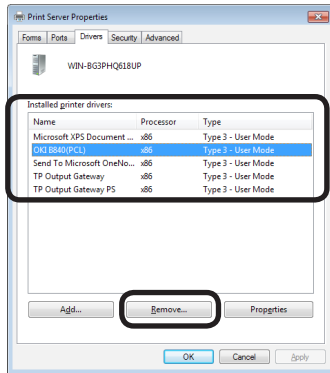
In Windows Server 2003, select [Start] - [Printers & Faxes].

- ② Right - click on the icon of the printer you want to delete, and select [Remove device].



- ③ Thereafter, follow the instructions on the screen.
- ④ Select [File] - [Server Properties] in the [Printers and Faxes] folder.

- ⑤ In the [Drivers] tab, select the appropriate model name and click on [Remove].



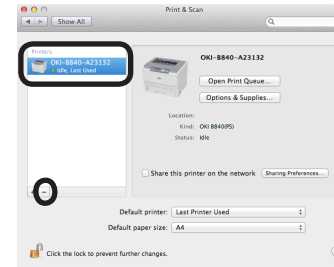
**Note!**

- The Network Extension installed together with the printer driver is not deleted even if you delete the driver.
- For deleting Network Extension, please refer to Deleting Utilities (P 112).

■ For those using a Mac OS X

**1** Delete the printer name from a printer list.

- ① Select [Apple Menu] - [System Preferences].
- ② Click [Print & Scan].
- ③ Select the printer name and click [ - ].

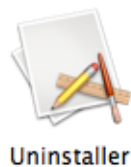


- ④ Click [Delete Printer] on the confirmation screen.

**2** Delete with the installer (uninstall).

- ① Set the Software DVD - ROM in the drive.
- ② Open the [Driver] folder of the printer driver you want to delete.

- ③ Double - click the [Uninstaller] tab.



- ④ Check the model name on the uninstaller confirmation screen, and click [OK].



- ⑤ Enter the administrator's name and password and click [OK].
- ⑥ If uninstalling is complete, click [OK].

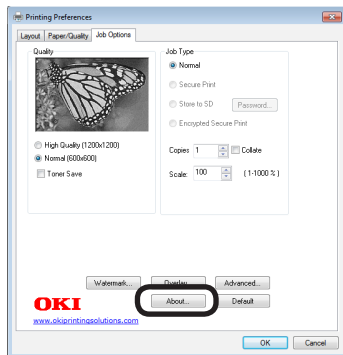


# Updating a Printer Driver

- If you are using Windows 8/8.1/Windows Server 2012/Server 2012 R2/Windows 7/Windows Server 2008 R2

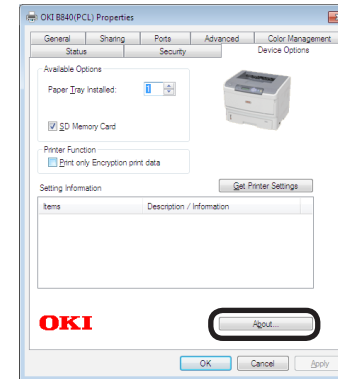
- Note!**
- You must have administrator rights.
  - If Windows is launching, please restart it.

- ① Click [Start] - [Devices and Printers].
- ② Right - click the icon of the printer to update, and select [Printing Preferences]. Click on [About] in the [Job Options] tab.



(The Windows PS printer driver screen)

For PCL drivers, right - click the icon of the printer to update, and select [Printer Properties]. Click on [About] in the [Device Options] tab.



(The Windows PCL printer driver screen)

- ③ If the version information screen is displayed before the version, click [OK].



- ④ Follow "If you are using Windows 7/Windows Server 2008 R2" (P 192), within "Delete a Printer Driver", to delete a printer driver.

⑤ Set up a new printer driver.

For the method of setting up, refer to the Users' Manual Setup Version.

**Note!** • You must check that the printer power is ON ( I ).

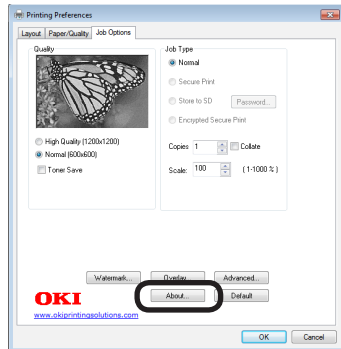
⑥ Display the version information screen using procedures ① - ③, and check that the printer driver version has been updated.

■ If you are using Windows Vista/Windows Server 2008

**Note!** • Computer administrator rights are required.  
• If Windows is launching, please restart it.

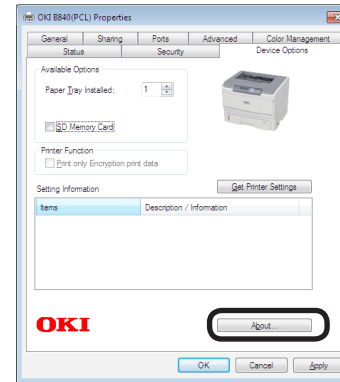
- ① Select [Start] - [Control Panel], and click on [Printers].
- ② For PS drivers, right - click the [Printer to Update] icon, and select [Printing Preferences].

Click on [About] in the [Job Options] tab.



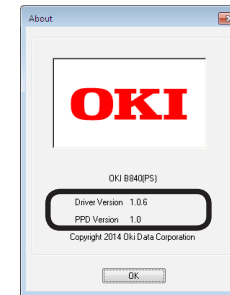
(The Windows PS printer driver screen)

For PCL drivers, right - click the [Printer to Update] icon and select [Properties]. Click on [About] in the [Device Options] tab.



(The Windows PCL printer driver screen)

- ③ If the version information screen is displayed, before the version click [OK].



- ④ Follow "If you are using Windows Vista/Windows Server 2008" (P 193), within "Delete a Printer Driver", to delete a printer driver.

⑤ Set up a new printer driver.

For the method of setting up, refer to the Users' Manual Setup Version.

**Note!** • You must check that the power is ON ( I ).

⑥ Display the version information screen using procedures ① - ③, and check that the printer driver version has been updated.

■ If you are using Windows XP/Windows Server 2003

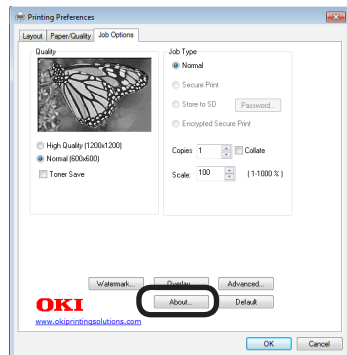
**Note!** • Computer administrator rights are required.  
• If Windows is launching, please restart it.

① For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].

In Windows Server 2003, select [Start] - [Printers & Faxes].

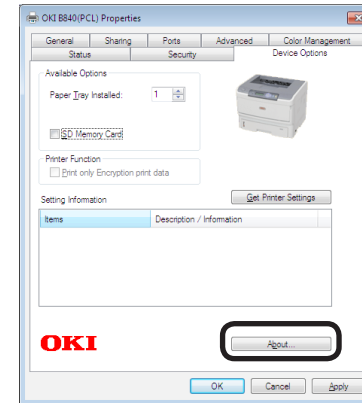
② For PS drivers, right - click the [Printer to Update] icon, and select [Printing Preferences].

Click on [About] in the [Job Options] tab.



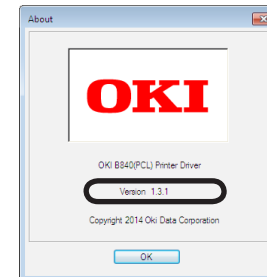
(The Windows PS printer driver screen)

For PCL drivers, right - click the [OKI B840 (PCL)] icon and select [Properties]. Click on [About] in the [Device Options] tab.



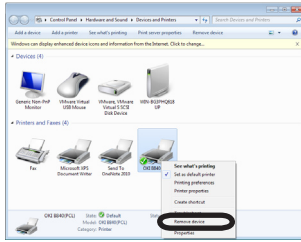
(The Windows PCL printer driver screen)

③ If the version information screen is displayed, click [OK] before the version.

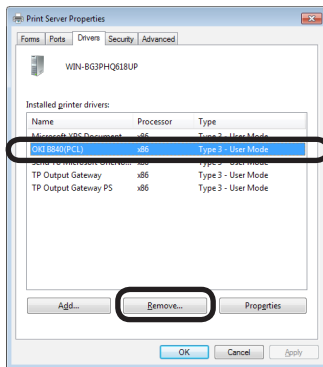


- ④ Right - click on the icon of the printer you want to update, and select [Remove device].

In order to correctly update the printer driver, delete all printer drivers of the same type as the one you are updating.



- ⑤ Thereafter, follow the instructions on the screen.
- ⑥ Select [File] - [Server Properties] in the [Printers and Faxes] folder.
- ⑦ In the [Drivers] tab, select the appropriate model name and click on [Remove].



- ⑧ Restart Windows.
- ⑨ Set up a new printer driver.

For the method of setting up, refer to the Users' Manual Setup Version.

- Note!**
- You must check that the printer power is ON ( I ).
  - For Windows XP/Windows Server 2003, set up when installing the printer.
- ⑩ Display the version information using procedures ① - ③, and check that the new printer driver version has been updated.

#### ■ For those using a Mac OS X

- ① Delete the printer driver.

For details, please refer to Delete a Printer Driver (P 195).

- ② Reinstall the printer software. For details, refer to the Users' Manual Setup Version.

## If you cannot set up the printer driver

### ■ If you cannot setup with a USB connection (Windows)

#### ● If a printer icon is not created in the [Printers] folder

The printer driver cannot be correctly set up. Carry out the printer setup again.

For details, refer to the Users' Manual Setup Version.

#### ● If a printer icon is created in the [Printers] folder, but you cannot print

The printer driver print destination port is not correctly set up. Check the settings using the following procedure.

- ① For Windows 8.1/Windows Server 2012 R2, select [Control Panel] - [Hardware and Sound] - [Devices and Printers].

For Windows 8/Windows Server 2012, select [Control Panel] - [Hardware and Sound] - [Devices and Printers].

For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].

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

For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers and Faxes].

For Windows Server 2003, select [Start] - [Printers & Faxes].

- ② In Windows 7, select [Printer Properties].

If not using Windows 7, right - click on the printer icon and select [Properties].

- ③ Set [Printer Port] in the [Ports] tab to [ [USBxxx] ].

**Note!**

- If [USBxxx] is not displayed in [Printer Port], check that the printer power is ON ( I ), fix the USB cable connection, and carry out steps ① - ③ again.

#### ● If [An error occurred with installing the printer driver] in the setup program

you need to set up with plug and play. Check whether setup was carried out using the following procedure.

- ① Check that the printer and computer power is turned OFF ( O ).
- ② Connect the USB cable.
- ③ Turn the printer power ON ( I ).
- ④ Launch Windows.
- ⑤ If the [Add New Hardware Window] is displayed, after this follow the instructions on the screen to set up.

For details, please refer to README.TXT on the Software DVD - ROM.

- For other cases

Occurrence	Method of dealing with it
The computer does not respond to the USB interface.	Check that the USB controller is displayed using the device manager.
The USB cable may not meet the standards.	Please use a USB2.0 specification USB cable.
The interface is disabled.	Set [USB] in the printer user menu to [Enable]. For the detailed procedure, refer to "User Menu" in "Chapter 2 - Basic Operation" in the Setup Instructions.
The set up procedure was incorrect.	Follow the procedure in the Setup Instructions and set up again from the beginning.
The USB cable has come out.	Plug the USB cable in.
There is a problem with the USB cable.	If you have a spare USB cable, replace the other one with it.
Using a USB hub.	Connect the printer directly to the computer.
[Set Location to Search] or [Set Location] is displayed during setup.	Set it to the printer driver folder in the Software DVD - ROM. E.g.: "E:\Drivers\ENU\PCL" (In this example the DVD - ROM drive is E:, and the printer driver is PCL.)
Setup was aborted.	Follow the procedure in the Setup Instructions and set up again from the beginning.

- If you cannot setup with a USB connection (Macintosh)

Occurrence	Method of dealing with it
The interface is disabled.	Set [USB] in the printer user menu to [ENABLE]. For the detailed procedure, refer to "User Menu" in "Chapter 2 - Basic Operation" in the Setup Instructions.
The USB cable may not meet the standards.	Please use a USB2.0 specification USB cable.
The set up procedure was incorrect.	Set up again from the beginning.
The USB cable is pulled out after a short time.	Increase the interval between pulling out the USB cable to over 5 minutes.
The USB cable has come out.	Plug the USB cable in.
There is a problem with the USB cable.	If you have a spare USB cable, replace the other one with it.
Using a USB hub.	Connect the printer directly to the computer.
Setup was aborted.	Set up again from the beginning.
The printer power switch is OFF ( O ).	Turn the printer power ON ( I ).
The printer driver cannot be correctly installed.	Install the printer driver again.
It goes [OFFLINE].	Press the Online button to make it go [ONLINE].

# Appendix

Specifications.....	204
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About Using Print Control Server .....	216
Setting up in Windows with a parallel connection .....	217
If you are using UNIX or Linux (B840dn) .....	220

## Specifications

### Network interface specifications

#### Basic specifications

Network protocol

TCP/IP - related

NetWare - related

EtherTalk - related

NetBEUI - related

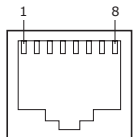
#### Connectors

100 BASE - TX / 10 BASE - T (Automatic toggle, cannot be used simultaneously)

#### Cable

Non - shield twisted pair cable with RJ - 45 connector (Category 5 recommended)

#### Connector pin arrangement



#### Interface signal

Pin No.	Signal name	Direction	Function
1	TXD+	FROM PRINTER	Data being sent+
2	TXD -	FROM PRINTER	Data being sent -
3	RXD+	TO PRINTER	Data being received+
4	-	-	Not being used.
5	-	-	Not being used.
6	RXD -	TO PRINTER	Data being received -
7	-	-	Not being used.
8	-	-	Not being used.

### USB interface specifications

#### Basic specifications

USB (Supports Hi - Speed USB)

#### Connectors

Printer side B receptacle (female) upstream port

Cable side B plug (Male)

#### Cable

A 5m or lower USB2.0 specification cable (2m or lower is recommended)

(Please use a shielded cable.)

#### Transmission mode

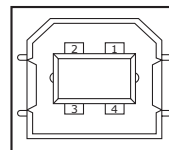
Full speed (Maximum 12 Mbps  $\pm 0.25\%$ )

High speed (Maximum 480Mbps  $\pm 0.05\%$ )

#### Power control

Self - powered device

#### Connector pin arrangement



#### Interface signal

	Signal name	Function
1	Vbus	Power (+5V)
2	D -	For data transfer
3	D+	For data transfer
4	GND	Signal grand
Shell	Shield	



## ■ ACC interface specifications

### Basic specifications

USB (only Oki Data checked card reader/writers)

### Connectors

A receptacle (female) downstream port

### Cable

Use the cable that belongs to the card reader.

(You cannot use the hub.)

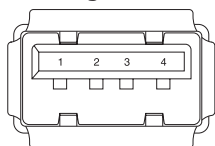
### Transmission mode

Low speed (Maximum 1.5 Mbps  $\pm$ 1.5%)

### Supplied current

Maximum 500mA

### Connector pin arrangement



### Interface signal

	Signal name	Function
1	Vbus	Power (+5V)
2	D -	For data transfer
3	D+	For data transfer
4	GND	Signal grand
Shell	Shield	

## ■ Parallel interface specifications

### Note!

- The parallel interface is disabled by default. If using the printer interface, Set [Centro] on the printer control panel to [Enabled].  
 Enabling a Parallel Interface (P 92)

### Basic specifications

IEEEstd1284 - 1994 standard parallel interface

### Connectors

Printer side 36 - pole receptacle (female)

Cable side 36 - pole plug (male)

### Cable

A 1.8m or lower cable compliant with IEEEstd 1284 - 1994 or an equivalent product

(use a shielded cable.)

### Transmission mode

Compatible

Nibble

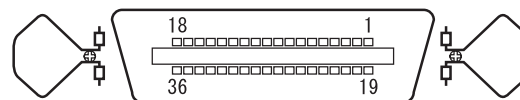
ECP

### Interface level

Low level +0.0 to+0.4V

High level +2.4 to +5.0V

### Connector pin arrangement



## Interface signal

Pin No.	Signal name	Direction	Function
1	nStrobe (HostClk)	TO PRINTER	This is parsing for reading data. The data is read at the final edge.
2	DATA 1	Bi - direction	This is 8 - bit parallel data. High - level is "1", while low - level is "0".
3	DATA 2		
4	DATA 3		
5	DATA 4		
6	DATA 5		
7	DATA 6		
8	DATA 7		
9	DATA 8		
10	nAck (PtrClk)	FROM PRINTER	This is a signal to display that data receipt is finished.
11	Busy (PtrBusy)	FROM PRINTER	This is a signal to display whether the printer is in a state of receiving data. Data cannot be received while in high - level.
12	PError (AckDataReq)	FROM PRINTER	A paper error is displayed in high - level.
13	Select (Xflag)	FROM PRINTER	If parallel interface is enabled, it will always be high - level.
14	nAutoFd (HostBusy)	TO PRINTER	Bidirectional communication is used.
15	-	-	Not used.
16	GND	-	Signal grand
17	FG	-	Chassis ground
18	HILEVEL	FROM PRINTER	Within the printer it is pulled up by +5V at 3.3K $\Omega$ .
19-30	GND	-	Signal grand
31	nInit (nInit)	TO PRINTER	At low - level, the printer will be initialized.
32	nFault (nDataAvail)	FROM PRINTER	The printer will go into low - level if in an alarm state.
33	GND	-	Signal grand
34	-	-	Not used.
35	HILEVEL	FROM PRINTER	Within the printer it is pulled up by +5V at 3.3K $\Omega$ .

Pin No.	Signal name	Direction	Function
36	nSelectIn (IEEE1284 active)	TO PRINTER	Used in bidirectional communication. It has to be in low - level when in compatible mode.

**Note!**

- Inside the brackets is the nibble mode signal name.
- This only explains the compatible mode function.
- The IEEEstd1284 - 1994 nibble mode, stipulated by the US Institute of Electrical and Electronics Engineers, is supported. If you use a computer or cable that does not meet these regulations, unexpected operations may occur.

■ Font sample (PostScript3 emulation) (B840dn only)

European font 136

AlbertusMT  
*AlbertusMT-Italic*  
 AlbertusMT-Light

AntiqueOlive-Roman  
*AntiqueOlive-Italic*  
**AntiqueOlive-Bold**  
**AntiqueOlive-Compact**

*Apple-Chancery*

ArialMT  
*Arial-ItalicMT*  
**Arial-BoldMT**  
**Arial-BoldItalicMT**

AvantGarde-Book  
*AvantGarde-BookOblique*  
**AvantGarde-Demi**  
*AvantGarde-DemiOblique*

Bodoni  
*Bodoni-Italic*  
**Bodoni-Bold**  
**Bodoni-BoldItalic**  
**Bodoni-Poster**  
 Bodoni-PosterCompressed

Bookman-Light  
*Bookman-LightItalic*  
**Bookman-Demi**  
**Bookman-DemiItalic**

Candid  
 \* 🍷 🍷 🍷 🍷 🍷 🍷 🍷 🍷

**Chicago**

Clarendon  
**Clarendon-Bold**  
 Clarendon-Light

**CooperBlack**  
**CooperBlack-Italic**  
**COPPERPLATE-THIRTYTHREEBC**  
 COPPERPLATE-THIRTYTWOC

*Conant-Regular*

Courier  
*Courier-Oblique*  
**Courier-Bold**  
*Courier-BoldOblique*

Eurostile  
**Eurostile-Bold**  
 Eurostile-ExtendedTwo  
**Eurostile-BoldExtendedTwo**

Geneva

GillSans-Light  
*GillSans-LightItalic*  
 GillSans  
*GillSans-Italic*  
**GillSans-Bold**  
**GillSans-BoldItalic**  
**GillSans-ExtraBold**  
 GillSans-Condensed  
**GillSans-BoldCondensed**

Goudy  
*Goudy-Italic*  
 Goudy-Bold  
**Goudy-BoldItalic**  
 Goudy-ExtraBold

Helvetica  
*Helvetica-Oblique*  
**Helvetica-Bold**  
**Helvetica-BoldOblique**

Helvetica-Condensed  
*Helvetica-Condensed-Oblique*  
**Helvetica-Condensed-Bold**  
**Helvetica-Condensed-BoldObli**  
 Helvetica-Narrow  
*Helvetica-Narrow-Oblique*  
**Helvetica-Narrow-Bold**  
**Helvetica-Narrow-BoldOblique**

HoeflerText-Regular  
*HoeflerText-Italic*  
**HoeflerText-Black**  
**HoeflerText-BlackItalic**  
 HoeflerText-Ornaments  
 🍷 🍷 🍷 🍷 🍷 🍷

JoannaMT  
*JoannaMT-Italic*  
**JoannaMT-Bold**  
**JoannaMT-BoldItalic**

LetterGothic  
*LetterGothic-Slanted*  
 LetterGothic-Bold  
*LetterGothic-BoldSlanted*

LubalinGraph-Book  
*LubalinGraph-BookOblique*  
**LubalinGraph-Demi**  
**LubalinGraph-DemiOblique**

*Margold*

Monaco

*MonaLisa-Recut*

NewCenturySchlbk-Roman  
*NewCenturySchlbk-Italic*  
**NewCenturySchlbk-Bold**  
**NewCenturySchlbk-BoldItalic**

NewYork  
 Optima  
*Optima-Italic*  
**Optima-Bold**  
**Optima-BoldItalic**

Oxford

Palatino-Roman  
*Palatino-Italic*  
**Palatino-Bold**  
**Palatino-BoldItalic**

StempelGaramond-Roman  
*StempelGaramond-Italic*  
**StempelGaramond-Bold**  
**StempelGaramond-BoldItalic**

Symbol AØYIXKBPΩN

Taffy

Times-Roman  
*Times-Italic*  
**Times-Bold**  
**Times-BoldItalic**

TimesNewRomanPSMT  
*TimesNewRomanPS-ItalicMT*  
**TimesNewRomanPS-BoldMT**  
**TimesNewRomanPS-BoldItalicMT**

Univers-Light  
*Univers-LightOblique*  
 Univers  
*Univers-Oblique*  
**Univers-Bold**  
**Univers-BoldOblique**  
 Univers-Condensed  
*Univers-CondensedOblique*  
**Univers-CondensedBold**  
**Univers-CondensedBoldOblique**  
 Univers-Extended  
*Univers-ExtendedObli*  
**Univers-BoldExt**  
**Univers-BoldExtObli**

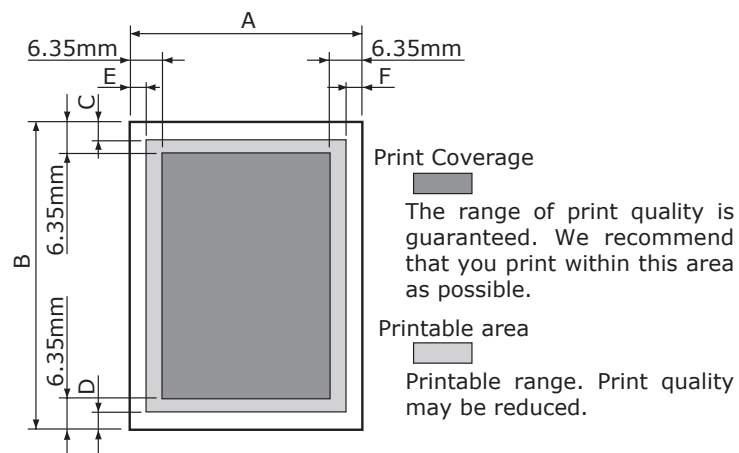
Wingdings-Regular  
 Ⓢ Ⓣ Ⓤ Ⓥ Ⓦ Ⓧ Ⓨ Ⓩ ⓐ ⓑ ⓓ ⓔ ⓕ ⓖ ⓗ ⓓ ⓔ ⓕ ⓖ ⓗ  
 Wingdings2  
 Ⓢ Ⓣ Ⓤ Ⓥ Ⓦ Ⓧ Ⓨ Ⓩ ⓐ ⓑ ⓓ ⓔ ⓕ ⓖ ⓗ ⓓ ⓔ ⓕ ⓖ ⓗ  
 Wingdings3  
 Ⓢ Ⓣ Ⓤ Ⓥ Ⓦ Ⓧ Ⓨ Ⓩ ⓐ ⓑ ⓓ ⓔ ⓕ ⓖ ⓗ ⓓ ⓔ ⓕ ⓖ ⓗ  
 ZapfChancery-MediumItalic  
 ZapfDingbats  
 ✪ ✫ ✬ ✭ ✮ ✯ ✰ ✱ ✲ ✳ ✴ ✵ ✶ ✷ ✸ ✹ ✺ ✻ ✼ ✽ ✾ ✿



## ■ Print range and printing precision

The print range of the printer driver is as follows.  
The actual print range may vary depending on the application.

- Note!**
- The printer precision is as follows: print positioning:  $\pm 2\text{mm}$ ; paper skew:  $\pm 1\text{mm}/100\text{mm}$ ; image stretch:  $\pm 1\text{mm}/100\text{mm}$  (for basis weight  $80\text{g}/\text{m}^2$  (ream weight of  $70\text{kg}$ )).
  - For double - sided printing the front - pack positioning precision is  $\pm 2.5\text{mm}$ .



Units: mm Paper size	PostScript3 emulation mode					
	PCL emulation mode					
	Width A	Length B	Top margin C	Bottom margin D	Left margin E	Right margin F
A3	297	420	4.23	4.23	4.23	4.23
A4	210	297	4.23	4.23	4.23	4.23
A5	148	210	4.23	4.23	4.23	4.23
A6	105	148	4.23	4.23	4.23	4.23
B4	257	364	4.23	4.23	4.23	4.23
B5	182	257	4.23	4.23	4.23	4.23
B6	128	182	4.23	4.23	4.23	4.23
Tabloid	279.4	431.8	4.23	4.23	4.23	4.23
Letter	215.9	279.4	4.23	4.23	4.23	4.23
Legal (13 inch)	215.9	330.2	4.23	4.23	4.23	4.23
Legal (13.5 inch)	215.9	342.9	4.23	4.23	4.23	4.23
Legal (14 inch)	215.9	355.6	4.23	4.23	4.23	4.23
Executive	184.15	266.7	4.23	4.23	4.23	4.23
Statement	139.7	215.9	4.23	4.23	4.23	4.23
8K (260 x 368mm)	260	368	4.23	4.23	4.23	4.23
8K (270 x 390mm)	270	390	4.23	4.23	4.23	4.23
8K (273 x 394mm)	273	394	4.23	4.23	4.23	4.23
16K (184 x 260mm)	184	260	4.23	4.23	4.23	4.23
16K (195 x 270mm)	195	270	4.23	4.23	4.23	4.23
16K (197 x 273mm)	197	273	4.23	4.23	4.23	4.23
Custom *1*2	76~297	148~432	4.23	4.23	4.23	4.23
Com - 9	98.4	225.4	4.23	4.23	4.23	4.23
Com - 10	104.75	241.3	4.23	4.23	4.23	4.23
DL	110	220	4.23	4.23	4.23	4.23
C4	229	324	4.23	4.23	4.23	4.23
C5	162	229	4.23	4.23	4.23	4.23
C6	114	162	4.23	4.23	4.23	4.23
Monarch	98.4	190.5	4.23	4.23	4.23	4.23

\*1: Letters 1 - 3 have width of 148 - 297mm, and length of 182 - 432mm.

\*2: Multipurpose tray has width of 76 - 297mm, and length of 148 - 432mm.

\*3: In PostScript3 emulation mode, Letter (Free) is a fixed size (width 215.9mm and length 297mm).

## ■ Character code table (PostScript3 Emulation Mode) (B840dn only)

**Note!**

- \*\*\* - 83pv - RKSJ - H is mainly used for Macintosh. ("\*\*\*\*" is the font name)
- \*\*\* - 90ms - RKSJ - H, \*\*\* - RKSJ - H, and \*\*\* - Ext - RKSJ - H are mainly used for Windows. ("\*\*\*\*" is the font name)
- Characters not in the printer character code table may not produce the expected results, such as not being output or becoming garbled.
- If printing using application software, the application software may use its own character code table.
- The Japanese character code table is in a PDF file in a folder below "Software DVD - ROM".  
Windows: [Misc] - [KanjiCode] folder.  
Macintosh: [Kanji Code Table] folder.
- The printer font shown in each PDF file is as shown below.

File name (Windows)	File name (Macintosh)	Printer font name
HG - 83pv.pdf	HeiseiKakuGo - W5 - 83pv - RKSJ.pdf	HeiseiKakuGo - W5 - 83pv - RKSJ - H
HG - 90ms.pdf	HeiseiKakuGo - W5 - 90ms - RKSJ.pdf	HeiseiKakuGo - W5 - 90ms - RKSJ - H
HGExRKSJ.pdf	HeiseiKakuGo - W5 - Ext - RKSJ.pdf	HeiseiKakuGo - W5 - Ext - RKSJ - H
HG - RKSJ.pdf	HeiseiKakuGo - W5 - RKSJ.pdf	HeiseiKakuGo - W5 - RKSJ - H
HM - 83pv.pdf	HeiseiMin - W3 - 83pv - RKSJ.pdf	HeiseiMin - W3 - 83pv - RKSJ - H
HM - 90ms.pdf	HeiseiMin - W3 - 90ms - RKSJ.pdf	HeiseiMin - W3 - 90ms - RKSJ - H
HMExRKSJ.pdf	HeiseiMin - W3 - Ext - RKSJ.pdf	HeiseiMin - W3 - Ext - RKSJ - H
HM - RKSJ.pdf	HeiseiMin - W3 - RKSJ.pdf	HeiseiMin - W3 - RKSJ - H

## European character standard

		Low code															
		0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
High code	0																
	1																
	2		!	"	#	\$	%	&	'	(	)	*	+	,	-	.	/
	3	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
	4	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	5	P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
	6	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
	7	p	q	r	s	t	u	v	w	x	y	z	{		}	~	
	8																
	9																
	A		ı	ç	£	/	¥	f	§	□	'	"	«	<	>	fi	fl
	B		—	†	‡	·		¶	•	,	"	"	»	…	‰		ç
	C		\	,	^	~	-	˘	·	"	·	,	"	·	˘		
	D		—														
	E		Æ		ª					Ł	Ø	Œ	°				
	F		æ			ı				ł	ø	œ	ß				

Symbol

High code	Low code															
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0																
1																
2		!	∇	#	∃	%	&	ə	( )	*	+	,	-	.	/	
3	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
4	≡	A	B	X	Δ	E	Φ	Γ	H	I	∅	K	Λ	M	N	O
5	Π	Θ	P	Σ	T	Υ	ζ	Ω	Ξ	Ψ	Z	[	∴	]	⊥	-
6	—	α	β	χ	δ	ε	φ	γ	η	ι	φ	κ	λ	μ	ν	ο
7	π	θ	ρ	σ	τ	υ	ϖ	ω	ξ	ψ	ζ	{		}	~	
8																
9																
A	€	Υ	'	≤	/	∞	f	♣	♦	♥	♠	↔	←	↑	→	↓
B	°	±	"	≥	×	∞	∂	•	÷	≠	≡	≈	...		—	└
C	ℵ	ℑ	℔	℘	⊗	⊕	∅	∩	∪	∩	∩	∩	∩	∩	∩	∩
D	∠	∇	®	©	™	∏	√	·	┌	∧	∨	↔	←	↑	⇒	⇕
E	◇	<	®	©	™	Σ	∫		∫		∫		∫		∫	
F	>	∫	∫		∫		∫		∫		∫		∫		∫	

ZapfDingbats

High code	Low code															
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0																
1																
2		✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂
3	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
4	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂
5	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂
6	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂	✂
7	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
8	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
9																
A	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
B	⑤	⑥	⑦	⑧	⑨	⑩	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
C	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	①	②	③	④	⑤	⑥
D	⑦	⑧	⑨	⑩	→	→	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔
E	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
F	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞



## ■ Character code table (PCL emulation mode)

**Note!**

- If printing using application software, the application may use its own character code table.
- The Japanese character code table is in a PDF file in a folder below "Software DVD - ROM".
- Windows: [Misc] - [KanjiCode] folder
- The printer font shown in each PDF file is as shown below.

File name (Windows)	Printer font name
Heisei Kaku Go.pdf	Heisei Kaku Gothic
Heisei Mincho.pdf	Heisei Mincho

### Simple set

PC - 8	Serbo Croat2	USPSZIP	ISO L6	Kamenicky
PC - 8 Dan/Nor	Spanish	Arabic - 8	ISO L9	Legal
PC - 8 Grk	Ukrainian	Bulgarian	ISO Swedish1	Math - 8
PC - 8 TK	VN Int'l	CWI Hung	ISO Swedish2	MC Text
PC - 775	VN Math	DeskTop	ISO Swedish3	MS Publish
PC - 850	VN US	German	ISO - 2 IRV	PC Ext D/N
PC - 851 Grk	Win 3.0	Greek - 437	ISO - 4 UK	PC Ext US
PC - 852	Win 3.1 Arb	Greek - 437 Cy	ISO - 6 ASC	PC Set1
PC - 855	Win 3.1 L/G	Greek - 737	ISO - 10 S/F	PC Set2 D/N
PC - 857 TK	Win 3.1 Bit	Greek - 8	ISO - 11 Swe	PC Set2 US
PC - 858	Win 3.1 Cyr	Greek - 928	ISO - 14 JASC	WIN3.1J
PC - 862 Heb	Win 3.1 Grk	Hebrew NC	ISO - 15 Ita	
PC - 864 L/A	Win 3.1 Heb	Hebrew OC	ISO - 16 Por	
PC - 866	Win 3.1 L1	Hebrew - 7	ISO - 17 Spa	
PC - 866 Ukr	Win 3.1 L2	Hebrew - 8	ISO - 21 Ger	
PC - 869	Win 3.1 L5	IBM - 437	ISO - 25 Fre	
PC - 1004	Wingdings	IBM - 850	ISO - 57 Chi	
Pi Font	Dingbats MS	IBM - 860	ISO - 60 Nor	
Plska Mazvia	Symbol	IBM - 863	ISO - 61 Nor	
PS Math	OCR - A	IBM - 865	ISO - 69 Fre	
PS Text	OCR - B	ISO Dutch	ISO - 84 Por	
Roman - 8	OKI - OCRB	ISO L1	ISO - 85 Spa	
Roman - 9	HP ZIP	ISO L2	ISO - Cyr	
Roman Ext	USPSFIM	ISO L4	ISO - Grk	
Serbo Croat1	USPSSTP	ISO L5	ISO - Hebrew	

## Standard European characters (PC - 8)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0		▶		0	@	P	`	p	Ç	É	á	⋮	⌒	⌒	α	≡
1	☺	◀	!	1	A	Q	a	q	ü	æ	í	⊞	⌒	⌒	β	±
2	☺	↕	"	2	B	R	b	r	é	Æ	ó	⊞	⌒	⌒	Γ	≥
3	♥	!!	#	3	C	S	c	s	â	ô	ú		⌒	⌒	π	≤
4	♦	¶	\$	4	D	T	d	t	ä	ö	ñ	⌒	⌒	⌒	Σ	∫
5	♣	§	%	5	E	U	e	u	à	ò	Ñ	⌒	⌒	⌒	σ	J
6	♠	-	&	6	F	V	f	v	å	û	ª	⌒	⌒	⌒	μ	÷
7	●	↕	'	7	G	W	g	w	ç	ù	º	⌒	⌒	⌒	τ	≈
8	◼	↑	(	8	H	X	h	x	ê	ÿ	¿	⌒	⌒	⌒	Φ	°
9	○	↓	)	9	I	Y	i	y	ë	Ö	⌒	⌒	⌒	⌒	Θ	·
A	◼	→	*	:	J	Z	j	z	è	Ü	⌒	⌒	⌒	⌒	Ω	·
B	♂	←	+	;	K	[	k	{	ï	ç	½	⌒	⌒	⌒	δ	√
C	♀	⌒	,	<	L	\	l		î	£	¼	⌒	⌒	⌒	∞	n
D	♪	↔	-	=	M	]	m	}	ì	¥	¡	⌒	⌒	⌒	φ	²
E	♪	▲	.	>	N	^	n	˘	Ä	Pt	«	⌒	⌒	⌒	ε	■
F	☼	▼	/	?	O	_	o	△	Å	f	»	⌒	⌒	⌒	∩	

Symbol

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0			0	≅	Π	π					°	∞	∠	◇		
1		!	1	A	⊖	α	θ			Υ	±	∩	∇	<	>	
2		√	2	B	P	β	ρ			'	"	℥	®	®	∫	
3		#	3	X	Σ	χ	σ			≤	≥	∅	©	©	∫	
4		∃	4	Δ	T	δ	τ			/	×	⊗	™	™		
5		%	5	E	Υ	ε	υ			∞	α	⊕	Π	Σ	J	
6		&	6	Φ	ς	φ	ϖ			f	∂	∅	√	(	)	
7		∃	7	Γ	Ω	γ	ω			♣	•	∩	·			
8		(	8	H	Ξ	η	ξ			♦	÷	∩	∩	(	)	
9		)	9	I	Ψ	ι	ψ			♥	≠	∩	∧	[	]	
A		*	:	∅	Z	φ	ζ			♠	≡	∩	∨			
B		+	;	K	[	κ	{			↔	≈	∩	↔	[	]	
C		,	<	Λ	∴	λ				←	∴	∩	←	[	]	
D		-	=	M	]	μ	}			↑		∩	↑	{	}	
E		.	>	N	⊥	v	~			→	—	∩	⇒	[	]	
F		/	?	O	_	o				↓	∩	∩	↓			

Wingdings

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0				☐	✂	✂	☐	☐	☐	☐	•	☐	☐	☐	☐	☐
1				✂	☐	✂	✂	☐	☐	☐	☐	☐	☐	☐	☐	☐
2				✂	☐	✂	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
3				✂	☐	✂	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
A				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
B				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
C				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
D				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
E				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
F				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

## 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 <sup>*1</sup>		44676104
Duplex Unit <sup>*2</sup>		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.

- Note!**
- For the storage method of paper, see "How to Keep Paper" (Setup Instructions).
  - 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.

## About Using Print Control Server

**Note!** • The details in this item may vary if you upgrade your Print Control Server software.

**Memo** • If the printer has been added to Print Control Server, "JobAccounting:ON" will be printed on the printed menu map.

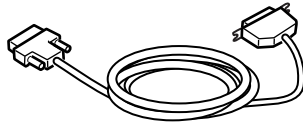
• The number of user IDs that can be registered and logs that can be saved with default settings

The number of user IDs that can be registered and logs that can be saved with default settings are as follows. The number may decrease depending on the contents of logs.

SD memory cards	Number of user IDs that can be registered	Number of logs that can be saved
None	5000 ID	About 200 logs
Available	5000 ID	About 5000 logs

## Setting up in Windows with a parallel connection

- Note!** • A printer cable is not included. A bidirectional parallel cable compliant with IEEEstd1284 - 1994 is provided separately.



### Operating environment

- Note!** • The details may differ from those given in this manual if you upgrade the version of printer driver you are using.

Windows 7/Windows 7 (64bit Version)

Windows Vista/Windows Vista (64bit Version)

Windows Server 2008/Windows Server 2008 (64bit Version)

Windows XP/Windows XP (64bit Version)

Windows Server 2003/Windows Server 2003 (x64 Version)

- Note!** • Operation cannot be done from MS - DOS and the Windows command prompt/DOS prompt.

- Memo** • If you put the computer's BIOS setting to [ECP] mode, the data transfer speed may increase. For the method of installation, please inquire with the computer manufacturer.  
• Please use a shielded parallel cable. (Maximum length 1.8m)

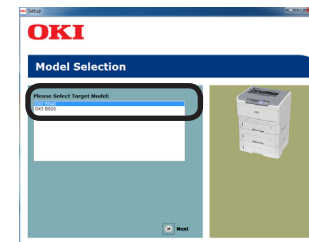
Here Windows 7 will be used as an example. The screen or operating procedure may differ depending on the OS you are using.

### Installing a Printer Driver

- ① Set [parallel] on the printer control panel to [Enable].  
 ➤ Enabling Parallel Interface (P 92)
- ② Turn the printer power OFF.
- ③ Check that the parallel cable is removed from the computer.
- ④ Turn the computer power on.
- ⑤ Insert the Software DVD - ROM into the computer.
- ⑥ If [Run Automatically] is displayed, click [Run setup.exe].

If the [User Account Control] dialog box appears, click [Yes].  
(For Windows Vista, click [Continue].)

- ⑦ Select the printer you are using, and click on [Next].



- ⑧ Read the [Software License Agreement] and click [I Agree].

- ⑨ Select [Easy Installation (Local)] below [Driver Installation].

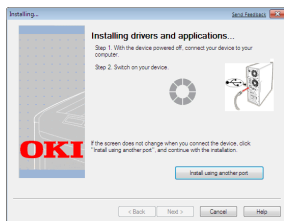


- Memo**
- With [Easy Installation (Local)], all drivers supported by the OS you are using are installed. If you want to manually select the driver to install, select [Custom Installation (Printer)], and follow the instructions on the screen.

- ⑩ [Next] Installation will start.
- ⑪ If the [Windows Security] dialog appears, click on [Install This Driver Software].

For Windows XP/Windows Server 2003, if the [Install Hardware] dialog is displayed, click [Continue].

- ⑫ Connect the machine to the computer, and if a prompt is displayed instructing you to turn the machine's power on, connect the machine to the computer with a cable and turn the power on for the machine.



Follow the instructions displayed on the screen to complete the installation.

- ⑬ If the [Installation Complete] screen is displayed, click [Close].
- ⑭ For Windows 8.1/Windows Server 2012 R2, select [Control Panel] - [Hardware and Sound] - [Devices and Printers].

For Windows 8/Windows Server 2012, select [Control Panel] - [Hardware and Sound] - [Devices and Printers].

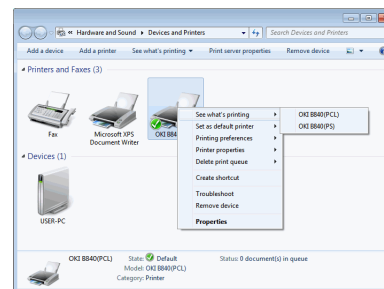
For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].

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

For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers & Faxes].

For Windows Server 2003, select [Start] - [Printers & Faxes].

- ⑮ Right - click on the OKI B840 icon, select one menu item, and check that all drivers installed are displayed in the sub - menu.



In Windows Vista/Windows Server 2008/Windows XP/Windows Server 2003, check that the icon for each driver is displayed.

- ⑯ Remove the software DVD - ROM from the computer.

With this, setup is complete.

■ If setup is not going well

• If the printer icon has been created but you cannot print

The printer driver print destination port is not correctly set up. Check the settings using the following procedure.

- ① For Windows 8.1/Windows Server 2012 R2, select [Control Panel] - [Hardware and Sound] - [Devices and Printers].  
For Windows 8/Windows Server 2012, select [Control Panel] - [Hardware and Sound] - [Devices and Printers].  
For Windows 7/Windows Server 2008 R2, select [Start] - [Devices and Printers].  
For Windows Vista/Windows Server 2008, select [Start] - [Control Panel], and then click on [Printers].  
For Windows XP, select [Start] - [Control Panel] - [Printers and Other Hardware] - [Printers & Faxes].  
For Windows Server 2003, select [Start] - [Printers & Faxes].
- ② Right - click the printer icon and select [Properties] (in Windows 7 and later this is [Printer Properties]).
- ③ On the [Print Port] in the [Ports] tab, set the port to connect to as shown below.  
  
If connecting with a parallel cable [LPT1]

• If you cannot setup with a parallel connection

Occurrence	Method of dealing with it
The computer does not support bidirectional parallel interfaces.	Use a computer that supports bidirectional parallel interfaces.
The parallel cable may not meet the standards.	Use a bidirectional parallel cable compliant with IEEEstd1284 - 1994.

Occurrence	Method of dealing with it
The interface is disabled.	[Centro] is disabled in the detailed settings. Set [Centro] in the printer user menu to [Enabled]. For the detailed procedure, refer to Enabling a Parallel Interface (P 92).
The set up procedure was incorrect.	Follow the procedure in this chapter and set up again from the beginning.
The parallel cable has come out.	Plug the parallel cable in.
There is a problem with the parallel cable.	If you have a spare parallel cable, replace the other one with it.
Using a switch, buffer, extension cable, etc.	Connect the printer directly to the computer.
[Set Location to Search] or [Set Location] is displayed during setup.	Set it to the printer driver folder in the Software DVD - ROM. E.g.: "E:\Drivers\ENU\PCL" (In this example the DVD - ROM drive is E:, and the printer driver is PCL.)
Setup was aborted.	Follow the procedure and set up again from the beginning.

## If you are using UNIX or Linux (B840dn)

### ■ Use an LPD protocol

This explains how to print using a TCP/IP LPD protocol (lpr or lp command). For details of the lpr and lp command, please refer to the UNIX manual.

#### • About LPD

LPD (Line Printer Daemon) is a protocol to print with a printer on the network.

#### • About logical printers

This printer has three logical printers.

Logical printers	Function
lp	If printing a PostScript or PCL format file
sjis	If printing a shift JIS Japanese character code text file
euc	If printing a euc Japanese character code text file

**Note!** • sjis and euc are PostScript printer functions only.

The following explanation uses the environment shown below as an example.

```
Printer      : B840dn
IP Address   : 192.168.0.2
MAC address  : 00:80:87:84:9C:9B
```

### • Configure UNIX settings and print

For Sun Solaris2.6 and 8

- Note!**
- You must have super - user rights.
  - The remote printer registration method using Admintool on OpenWindows cannot be used on this printer, as the output destination and queue name would be the same. Remote printers can be registered with the following method.
  - If Solaris 2.x's connection with the remote printer is stuck for a long time, based on its system specifications it will consider this to be an error, and will force disconnect. Therefore, if there is a waiting time due to running out of paper while printing or an online error, the printer will cut the connection.

- ① Log in as the UNIX administrator (root).
- ② Register the printer's IP address and host name in the /etc/hosts file.
 

```
192.168.0.2 ML
```
- ③ Check the connection using a ping command.
 

```
# ping ML
```
- ④ Register the print server.
 

```
# lpadmin -p ML_lp -m netstandard -o protocol=bsd -o dest=ML:lp -v /dev/null
```

**Note!**

  - The "lp" following ":" is a logical printer.
  - You may need to set the printer type or file content type depending on the file format you are printing. For details, please refer to the manual that came with your OS.
- ⑤ Enable the print queue.
 

```
## /usr/sbin/accept ML_lp  
## /usr/bin/enable ML_lp
```



⑥ Print.

```
# lp -d ML_lp<File Name>
```

**Note!** • Use the following page if you do not need a banner page.

```
# lp -d ML_lp -o nobanner
```

⑦ Delete a print request.

```
# cancel ML_lp-<Job Number>
```

⑧ Check the print status.

```
# lpstat -p ML_lp
```

**Note!** • This may not be correctly displayed depending on the UNIX specifications.

For HP - UX9.X and 10.X

**Note!** • You must have super - user rights.  
• HP - UX9.03 is used as an example.

① Log in as the UNIX administrator (root) .

② Register the printer's IP address and host name in the /etc/hosts file.

```
192.168.0.2 ML
```

③ Check the connection using a ping command.

```
# ping ML
```

④ Configure the following settings if the remote spooler is not set on the HP - UX machine you are using.

(1) Stop the printer spooler.

```
#!/usr/lib/lpshut
```

(2) Add the the following line to the /etc/inetd.conf file, in order to register the remote spooler.

```
printer stream tcp nowait root
/usr/lib/rlpdaemon rlpdaemon -i
```

(3) Restart inetd.

```
#!/etc/inetd -c
```

⑤ Configure the print queue settings.

```
#!/usr/lib/lpadmin -pML_lp -mrmmodel -ormML -orlp
-ocmrcmodel -osmrsmodel -ob3 -v/dev/null
```

**Note!** • Following "-p", "ML\_lp" is the printer queue name; following "-orm", "ML" is the host name; and following "-orp", "lp" is the logical printer name.

⑥ Enable the print queue.

```
#!/usr/lib/accept ML_lp
#!/usr/bin/enable ML_lp
```

- ⑦ Launch the printer spooler.

**# /usr/lib/lpsched**

- ⑧ Start a print job.

**# lp -d ML\_lp<File Name>**

- ⑨ Delete a print request.

**# cancel ML\_lp-<Job Number>**

- ⑩ Check the print status.

**# lpstat -p ML\_lp**

**Note!**

- This may not be correctly displayed depending on the UNIX specifications.

## ■ Use an FTP protocol

This explains how to print using a TCP/IP FTP protocol (ftp command).

For details on the ftp command, please refer to the UNIX manual.

### • About FTP

FTP (File Transfer Protocol) is a protocol for transferring files to the host on a network.

### • About logical directories

This printer has three logical directories.

Logical printers	Function
/lp	If printing a PostScript or PCL format file
/sjis	If printing a shift JIS Japanese character code text file
/euc	If printing a euc Japanese character code text file

**Note!**

- sjis and euc are PostScript printer functions only.

The following explanation uses the environment shown below as an example.

```
Printer      : B840dn
IP Address   : 192.168.0.2
MAC address  : 00:80:87:84:9C:9B
```

- Start a print job.

- ① Log into the printer.

- Note!** • It is possible to print with any value put into Name and Password. However, if User is "root", then the Password is required. The default value is the last 6 alphanumerical digits of the MAC address.

```
#ftp 192.168.0.2
Connected to 192.168.0.2
220 EthernetBoard OkilAN 9300e Ver 00.06 FTP Server.
User (192.168.0.2:none) :root
331 Password required.
Password
230 user Logged in.
Remote system type is FTP.
ftp>
```

- ② Move to transfer destination directory.

- Note!** • Files cannot be transferred to the root directory.

```
ftp>cd /lp
250 Command OK.
ftp>pwd
257"/lp" is current directory.
ftp>
```

- ③ Set the transfer mode.

- Note!** • There are two types of transfer mode, "BINARY Mode", which outputs file details as they are, and "ASCII Mode", which changes LF codes into CR+LF codes. If transferring files created with the printer driver, use "BINARY Mode"

```
ftp> type binary
200 Type set to I.
ftp> type
Using binary mode to transfer files.
ftp>
```

- ④ Start a print job.

E.g. 1) If transferring "test.prn" print data

```
ftp> put test.prn
```

E.g. 2) If setting the print data with the absolute path "/users/test/test.prn", and then transferring.

```
ftp> put /users/test/test.prn
```

- ⑤ Log out.

```
ftp> quit
```

- Memo** • You can use the quote command's "stat" to check three states - the client IP address, the login user name and the transfer mode. Also, you can check the status of the printer by setting a logical directory (lp, sjis, euc) after stat.

```
ftp> quote stat
211 - FTP server status:
Connected to: 192,168,0,3,5,112
User logged in: root
Transfer type: BINARY
Data connection: Closed.
211 End of status.
ftp>
```

```
ftp> quote stat /lp
211 - FTP directory status:
Ready
211 End of status.
ftp>
```

(MEMO)

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