

User's Manual

Advanced

This manual supports the following models.

B721/B731/

ES7131/

MPS4900b/MPS5501b

■ About This Manual

Terms in this document

The following terms are used in this manual.



- Indicates important information on operations. Make sure to read sections with this mark.



- Indicates additional information on operations. You should read sections with this mark.



- Indicates where to look when you want to know more detailed or related information.

WARNING

- A warning provides additional information which, if ignored, may result in a risk of personal injury.

CAUTION

- A caution provides additional information which, if ignored, may result in equipment malfunction or damage.

Symbols in this document

The following symbols are used in this manual.

| Symbols | Description |
|---------------------|--|
| [] | <ul style="list-style-type: none">• Indicates menu names on the display screen.• Indicates menu, window, and dialog names on the computer. |
| " " | <ul style="list-style-type: none">• Indicates messages and input text on the display screen.• Indicates file names on the computer.• Indicates reference titles. |
| < > button/key | Indicates a hardware button on the operator panel or a key on the keyboard of the computer. |
| > | Indicates how to change the item you want in the menu of this printer or the computer. |
| <i>Your Printer</i> | Indicates a printer you want to use or select. |

Notation used in this manual

If there is no special description, Windows 7 is used as Windows, Mac OS X 10.8 is used as Mac OS X, and B731 is used as the printer for examples in this document.

Depending on your OS or model, the description on this document may be different.

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1. Convenient Print Functions

This chapter explains advanced printing operations.

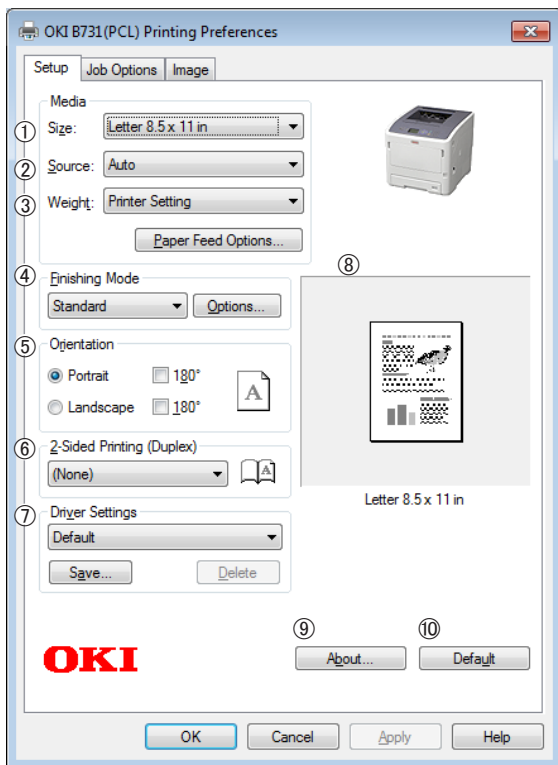
■ Description of Print Functions

PCL, PS and XPS are the 3 printer drivers for Windows and PS is the one for Mac OS X.

Print functions vary depending on driver.

For Windows PCL Printer Driver

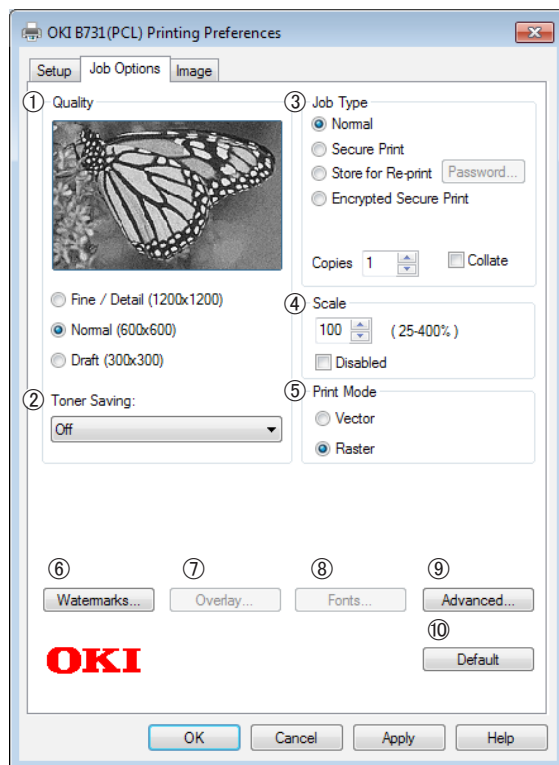
[Setup] Tab



| Item | Description |
|-----------------------------|--|
| ① Size | Selects paper size for your document. |
| ② Source | Selects a paper tray |
| ③ Weight | Selects the weight and the type of paper you want to use. |
| ④ Finishing Mode | This contains options for booklet and poster printing and is used to control layout of your document on the paper. |
| ⑤ Orientation | Selects the document orientation. |
| ⑥ 2-Sided Printing (Duplex) | Sets the 2-sided printing. |

| Item | Description |
|------------------|--|
| ⑦ Driver Setting | Saves settings that are made in driver. |
| ⑧ Preview | Display print image. |
| ⑨ About | Displays the printer driver version. |
| ⑩ Default | Returns the printer driver settings to the default values for this tab only. |

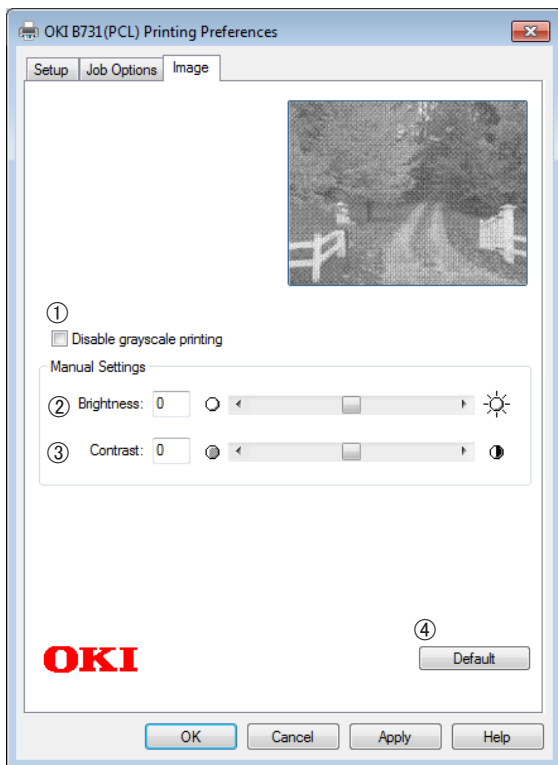
[Job Options] Tab



| Item | Description |
|----------------|---|
| ① Quality | Controls the printer resolution. |
| ② Toner Saving | Saves toner by lowering the print density and prints. |
| ③ Job Type | Selects a job type. |
| ④ Scale | Sets a rate to enlarge or reduce your printed image. |
| ⑤ Print Mode | Controls how data is sent to the printer. |
| ⑥ Watermarks | Sets the Watermarks printing. |

| | Item | Description |
|---|----------|--|
| ⑦ | Overlay | Sets the Overlays printing. |
| ⑧ | Fonts | Makes setting related to True Type fonts and printer fonts. |
| ⑨ | Advanced | Sets the advanced settings. |
| ⑩ | Default | Returns the printer driver settings to the default values for this tab only. |

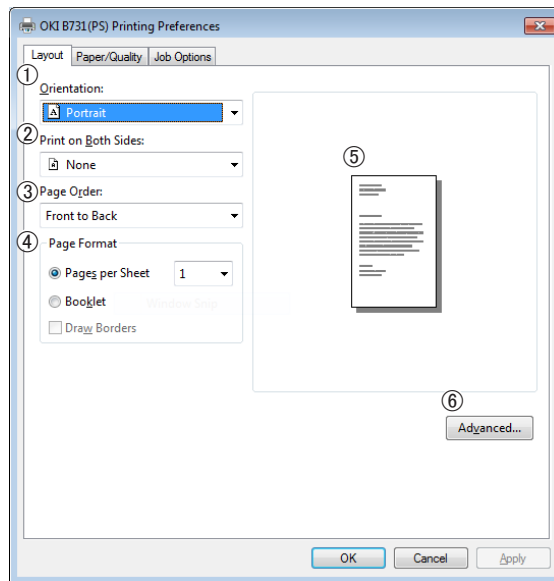
[Image] Tab



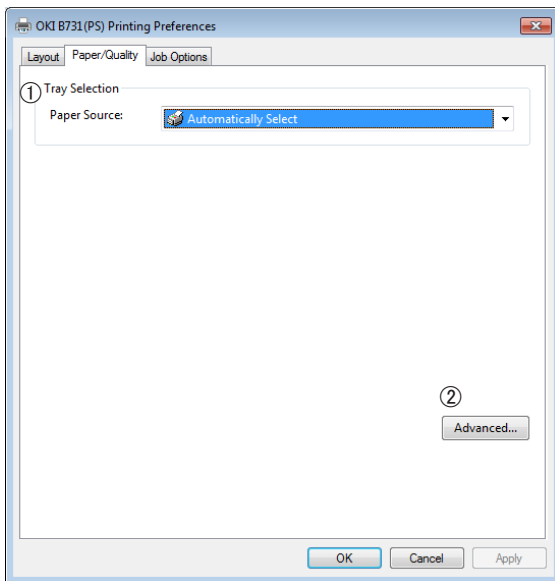
| | Item | Description |
|---|----------------------------|--|
| ① | Disable grayscale printing | Prints a document in black and white but not in grayscale. |
| ② | Brightness | Specifies the Brightness of the print results. |
| ③ | Contrast | Specifies the Contrast of the print results. |
| ④ | Default | Returns the printer driver settings to the default values for this tab only. |

For Windows PS Printer Driver

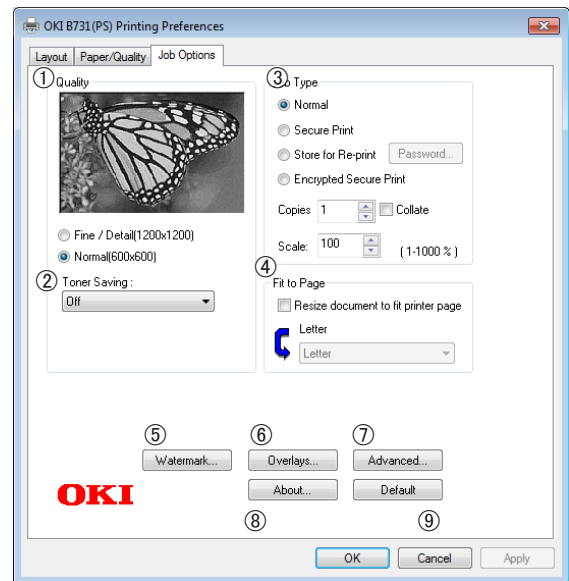
[Layout] tab



| | Item | Description |
|---|---------------------|--|
| ① | Orientation | Selects the document orientation. |
| ② | Print on Both Sides | Sets the 2-sided printing. |
| ③ | Page Order | Selects the page order of document. |
| ④ | Page Format | Sets the booklet printing and the number of pages to be printed on one sheet of paper. |
| ⑤ | Preview | Display print image. |
| ⑥ | Advanced | Sets the advanced settings. |

[Paper/Quality] tab

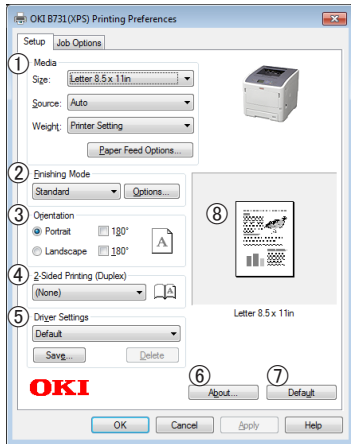
| | Item | Description |
|---|----------------|-----------------------------|
| ① | Tray Selection | Selects a paper tray. |
| ② | Advanced | Sets the advanced settings. |

[Job Options] tab

| | Item | Description |
|---|--------------|--|
| ① | Quality | Controls the print resolution. |
| ② | Toner Saving | Saves toner by lowering the print density and prints. |
| ③ | Job Type | Selects a job type and the number of copies to be printed. |
| ④ | Fit to Page | Prints a document fitting to the different size of paper. |
| ⑤ | Watermarks | Sets the Watermarks printing. |
| ⑥ | Overlays | Sets the Overlays printing. |
| ⑦ | Advanced | Sets the advanced settings. |
| ⑧ | About | Sets the advanced settings. Displays the printer driver version. |
| ⑨ | Default | Returns the printer driver settings to the default values for this tab only. |

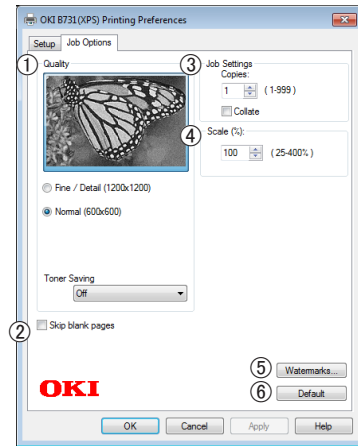
For Windows XPS Printer Driver

[Setup] tab



| Item | Description |
|-----------------------------|--|
| ① Media | Selects the paper size, weight and a paper tray for your document. |
| ② Finishing Mode | This contains options for booklet and poster printing and is used to control layout of your document on the paper. |
| ③ Orientation | Selects the document orientation. |
| ④ 2-Sided Printing (Duplex) | Sets the 2-sided printing. |
| ⑤ Driver Settings | Saves settings that are made in driver. |
| ⑥ About | Displays the printer driver version. |
| ⑦ Default | Returns the printer driver settings to the default values for this tab only. |
| ⑧ Preview | Display print image. |

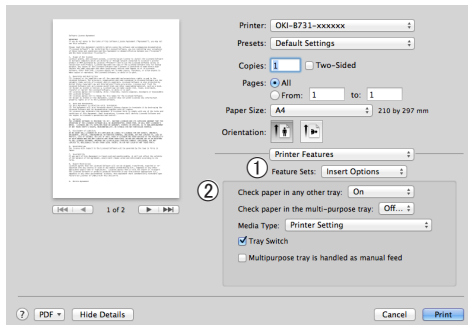
[Job Options] tab



| Item | Description |
|--------------------|--|
| ① Quality | Controls the print resolution. |
| ② Skip blank pages | Enables to print document excluding blank pages. |
| ③ Job Settings | Selects the number of copies etc. to be printed. |
| ④ Scale | Sets a rate to enlarge or reduce your printed image. |
| ⑤ Watermarks | Sets the Watermarks printing. |
| ⑥ Default | Returns the printer driver settings to the default values for this tab only. |

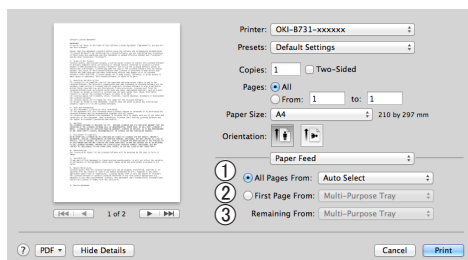
For Mac OS X PS Printer Driver

[Printer Features] panel



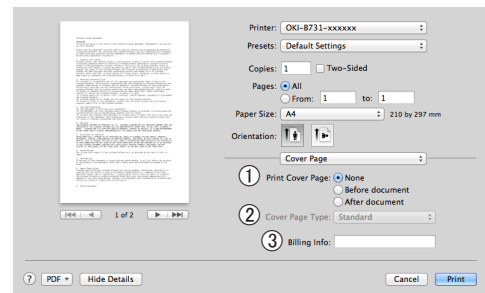
| Item | Description |
|----------------|--|
| ① Feature Sets | Sets the various functions. |
| ② Options | Sets the options related to selected function. |

[Paper Feed] panel



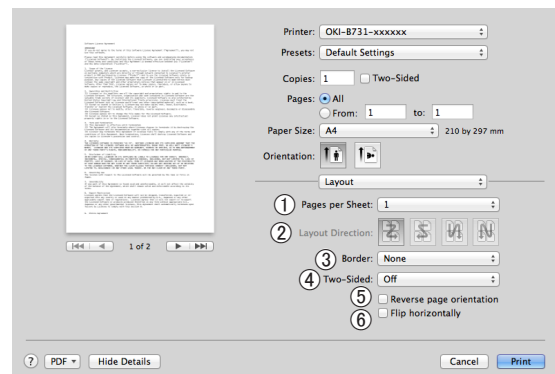
| Item | Description |
|-------------------|--|
| ① All Pages From | Selects a paper tray. If you choose [Auto Select], the printer automatically chooses a tray in the printer that contains the correct size of paper. |
| ② First Page From | Selects this option when you want to print the first page from the specified tray. |
| ③ Remaining From | Selects this option when you want to print the remaining pages from the specified tray. |

[Cover Page] panel



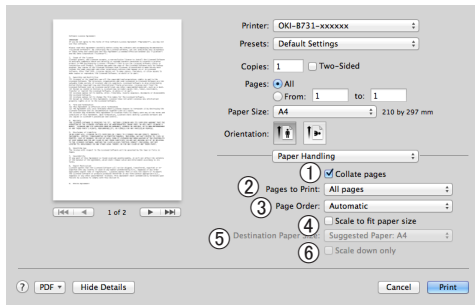
| Item | Description |
|--------------------|---|
| ① Print Cover Page | Sets the cover printing. |
| ② Cover Page Type | Sets the character string for cover printing. |
| ③ Billing Info | This function is not available. |

[Layout] panel



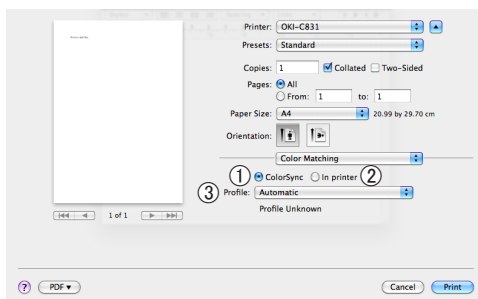
| Item | Description |
|----------------------------|--|
| ① Pages per Sheet | Selects the number of copies to be printed on one sheet of paper. |
| ② Layout Direction | Selects the layout when printing multiple pages on one sheet of paper. |
| ③ Border | Selects the border when printing multiple pages on one sheet of paper. |
| ④ Two-Sided | Selects this option for duplex printing. |
| ⑤ Reverse page orientation | Selects this option when you want to reverse the page orientation. |
| ⑥ Flip horizontally | Selects this option when you want to flip the pages horizontally. |

[Paper Handling] panel



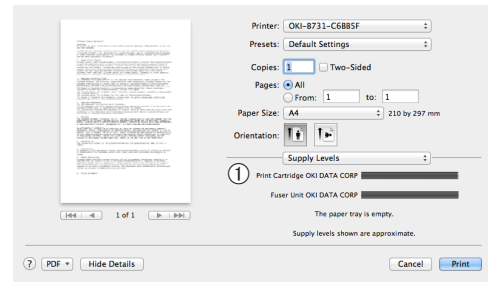
| Item | Description |
|---------------------------|--|
| ① Collate pages | Selects this option when data to be collated are to be created on your computer. |
| ② Pages to Print | Selects the pages to be printed. |
| ③ Page Order | Selects the order of the pages to be printed. |
| ④ Scale to fit paper size | Selects this option when printing to fit the paper size. Depending on the setting, the print image may not be printed correctly. |
| ⑤ Destination Paper Size | Selects this option when you want to enlarge or reduce the image size to fit output paper size. |
| ⑥ Scale down only | Selects this option when you want to reduce the image size to fit output paper size. |

[Color Matching] panel



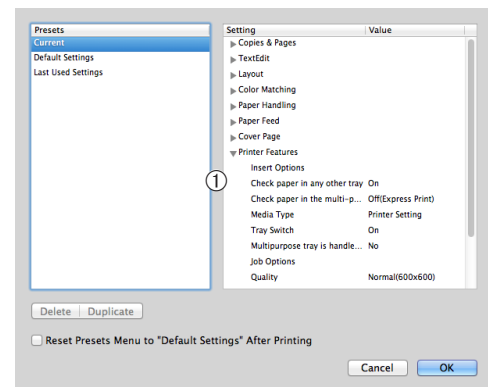
| Item | Description |
|--------------|---|
| ① ColorSync | Sets the ColorSync functions. |
| ② In printer | Performs the color matching in the printer. |
| ③ Profile | Selects the profile. |

[Supply Levels] panel



| Item | Description |
|---------------|---|
| ① Consumables | Displays the usage status of consumables. |

[Summary] panel



| Item | Description |
|------------|---|
| ① Settings | Displays the list of function settings. Click ► to display the details. |

Reference

- For additional information on the setting items on the printer driver, refer to the online help.

■ Printing with Various Functions

Memo

- This section explains using Windows Note pad or Text Edit for Mac OS X. Depending on the used application or printer driver, the description may be different.

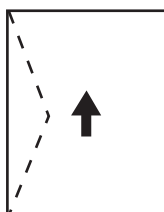
Printing on Envelopes

You can print on envelopes by changing the paper size setting and using the MP Tray with faceup stacker.

Set the paper size of MP Tray on the operator panel, and then make print settings including paper size and paper tray with the printer driver.

! Note

- Warping or creasing may appear after printing. Make sure that there is no problem by test printing.
- When loading envelopes in the MP Tray, load them face up with the orientation noted below.
 - C5, C6, DL, Com-9, Com-10 and Monarch are loaded with the flap folded, with the orientation shown in the figure below.



Com10, Com-9, Monarch,
DL, C5, C6

Memo

- Do not select duplex printing on envelopes.

Reference

- For envelopes that can be used, refer to the User's Manual (Setup).
- Manual printing is also available for printing on envelopes. For details on manual printing, refer to "Manual Printing" P.22.

1 Load paper on the MP Tray.

Reference

- Refer to "Loading Paper" in the User's Manual (Setup).

2 Open the faceup stacker at the rear of the printer.

Memo

- If always printing on envelopes from the MP Tray, register the paper on the operator panel. If printing once, proceed to the printing procedures through the printer driver.

3 Press the <Fn> key on the operator panel.

- Press the <9>, <0> keys and then press the <ENTER> button.
- Press the scroll button ▼ to select [**Envelope***] and then press the <ENTER> button.
 - *Select a type of envelope.
- Press the <ON LINE> button to exit the menu mode.
- Open the file you want to print on the computer.
- Configure the paper size, paper source and orientation with the printer driver and then start printing.

For Windows PCL/XPS Printer Driver

- From the [**File**] menu, select [**Print**].
- Click [**Preferences**].
- On the [**Setup**] tab, select [**Envelope***] from [**Size**].
 - * Select a type of envelope.
- Select [**Multipurpose Tray**] from [**Source**].
- Select orientation at [**Orientation**].
 - Select [**Portrait**] for side-opening envelopes.
 - Select [**Landscape**] for top-opening envelopes.
- Configure other settings if necessary and then start printing.

For Windows PS Printer Driver

- 1 From the [**File**] menu, select [**Print**].
- 2 Click [**Preferences**].
- 3 On the [**Layout**] tab, select orientation from [**Orientation**].
 - Select [**Portrait**] for side-opening envelopes.
 - Select [**Landscape**] for top-opening envelopes. Click [**Advanced**] and select [**Rotate**] for [**Page Rotate**] on the advanced option screen.
- 4 Select the [**Paper/Quality**] tab.
- 5 Select [**Multi-Purpose Tray**] from [**Source**].
- 6 Click [**Advanced**].
- 7 Click [**Paper Size**] and select [**Envelope***] from the drop-down list.
 - * Select a type of envelope.
- 8 Click [**OK**].
- 9 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

- 1 From the [**File**] menu, select [**Page Setup**].
- 2 Select [**Envelope***] from [**Paper Size**].
 - * Select a type of envelope.
- 3 Select orientation from [**Orientation**] and then click [**OK**].
 - Select [**Portrait**] for side-opening envelopes, and the check box of [**Page Rotate**] in the [**Job Options**] function set on the [**Printer Features**] panel.
 - Select [**Landscape**] for top-opening envelopes.
- 4 From the [**File**] menu, select [**Print**].
- 5 Select [**Paper Feed**] from the panel menu.
- 6 Select [**All Pages From**] and then select [**Multi Purpose Tray**].

- 7 Configure other settings if necessary and then start printing.



- If the print dialog does not contain the options you expect to see, click the [**Show Details**] button at the bottom of the dialog.

Printing on Labels

You can print on labels by changing the media type setting and using the MP Tray and the face up stacker.

Set the paper size and type for MP Tray on the operator panel. Then, make print settings including paper size and paper tray with the printer driver.

Memo

- Do not select duplex printing for labels.

Reference

- For available labels, refer to the User's Manual (Setup).
- Manual printing is also available for printing on labels. For details on manual printing, refer to "Manual Printing" P.22.

1 Load paper on the MP Tray.

Reference

- Refer to "Loading Paper" in the User's Manual (Setup).

2 Open the faceup stacker at the rear of the printer.

Memo

- If always printing on labels from the MP Tray, register the paper on the operator panel.
- If printing once, proceed to the printing procedures through the printer driver.
- When the printer is in the power saving mode, press the <POWER SAVE> button to restore from the mode.

3 Press the <Fn> key.

4 Enter <9> and <0> using the ten-key pad and press the <ENTER> button.

5 Press the scroll button ▼ to select the paper size of a label and then press the <ENTER> button.

6 Press the <BACK> button and make sure that [MPTray Config] is displayed.

7 Press the scroll button ▼ to select [Media Type] and then press the <ENTER> button.

8 Press the scroll button ▼ to select the [Labels] and then press the <ENTER> button.

9 Press the <ON LINE> button to exit the menu mode.

10 Open the file you want to print on the computer.

11 Configure the paper size and tray with the printer driver.

For Windows PCL/XPS Printer Driver

1 From the [File] menu, select [Print].

2 Click [Preferences].

3 On the [Setup] tab, select the paper size of a label from [Size].

4 Select [Multipurpose Tray] from [Source].

5 Configure other settings if necessary and then start printing.

For Windows PS Printer Driver

1 From the [File] menu, select [Print].

2 Click [Preferences].

3 Select [Paper/Quality] tab.

4 Select [Multi-Purpose Tray] from [Paper Source].

5 Click [Advanced].

6 Click [Paper Size] and then select the paper size of a label from the drop-down list.

7 Click [OK].

8 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

1 From the [File] menu, select [Page Setup].

2 Select the paper size of a label from [Paper Size] and click [OK].

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

4 Select [Paper Feed] from the panel menu.

- 5 Select [**All Pages From**] and then select [**Multi Purpose Tray**].
- 6 Configure other settings if necessary and then start printing.

 Memo

- If the print dialog does not contain the options you expect to see, click the [**Show Details**] button at the bottom of the dialog.

Printing on Custom Size Paper

You can register a customized paper size on the printer driver so you can print on nonstandard paper such as banners.

- **Settable custom size range**
 Width: 76.2 to 216 mm
 Length: 127 to 1321 mm
 Paper sizes that can be fed differ depending on the tray.

 Note

- Register the paper size as portrait, and load paper in portrait orientation.
- For banner media that is over 356 mm long, use the faceup stacker.
- This function may not be available in some applications.
- If paper length exceeds 356 mm, we do not guarantee print quality.
- If paper is so long that it exceeds the paper supports of the MP Tray, support it by hand.
- When using tray 1 or tray 2/3/4, select the <ENTER> button on the operator panel>[**Menus**]> [**Tray Configuration**]>[**Using Tray Config**]> [**Paper Size**]>[**Custom**] before doing the following procedure.
- If images are not correctly printed on large size paper, selecting [**Normal(600x600dpi)**] for [**Print Quality**], image in the PS printer driver may allow for correct printing.
- Use of paper with a width of less than 100 mm is not recommended. It may cause paper jams.

 Reference

- For details on the paper sizes that can be fed on each tray or used for duplex printing, refer to the User's Manual (Setup).
- The [**Auto Tray Change**] is enabled by default. When the tray runs out of paper during printing, the printer automatically begins feeding paper from that tray. If you want to feed custom paper only from a particular tray, disable auto tray switching. For auto tray change, refer to "[Auto Tray Switching](#)" P.32.

■ Specifying Custom Sizes

To load custom size paper, you need to register the width and length of the paper before printing. The range of the sizes you can set differs according to the paper tray.

| Tray | Available size range |
|--------------------|--|
| Tray1 | Width: 148 to 216 mm (5.8 to 8.5 inches) Length: 210 to 356 mm (8.3 to 14.0 inches) |
| Tray2/3/4 (Option) | Width: 148 to 216 mm (5.8 to 8.5 inches) Length: 210 to 356 mm (8.3 to 14.0 inches) |

| Tray | Available size range |
|---------|--|
| MP Tray | Width: 76.2 to 216 mm (3.0 to 8.5 inches) Length: 127 to 1321 mm (5 to 52.0 inches) |

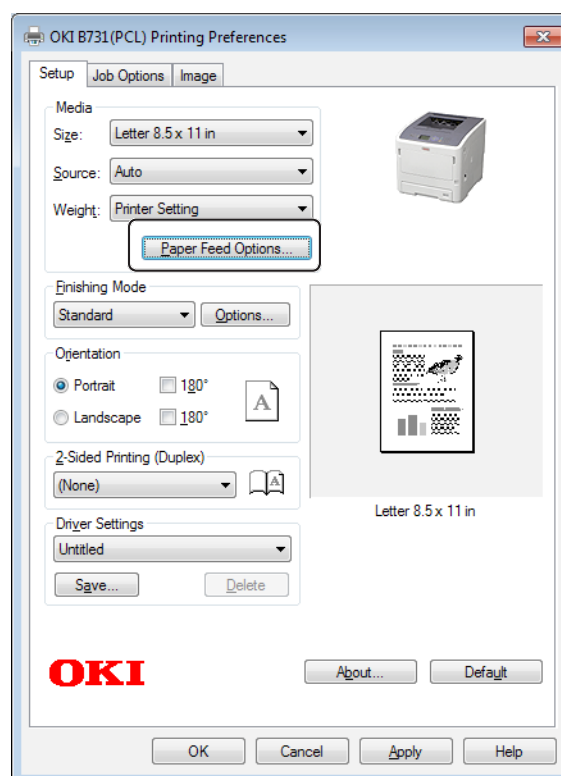
! Note

- You can configure the [**Custom**] setting only when [**Paper Size**] is set to [**Custom**].
- The available size range for duplex printing is the same as that for tray 2.

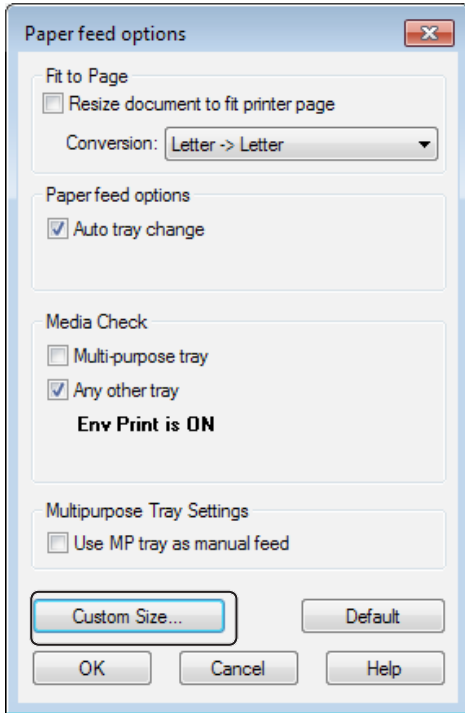
- 1 Press the <**ENTER**> button on the operator panel.
- 2 Press the scroll button ▼ several times to select [**Menus**] and press the <**ENTER**> button.
- 3 Check that [**Tray Configuration**] is selected and press the <**ENTER**> button.
- 4 Press the scroll button ▼ several times to select [(**Tray name**) **Config**] of the paper tray in which you loaded paper and then press the <**ENTER**> button.
- 5 Check that [**Paper Size**] is selected and press the <**ENTER**> button.
- 6 Press the scroll button ▼ several times to select [**Custom**] and then press the <**ENTER**> button.
- 7 Press the <**BACK**> button.
- 8 Press the scroll button ▼ to select [**X Dimension**] and then press the <**ENTER**> button.
- 9 Enter the paper width value using the ten-key pad and then press the <**ENTER**> button.
- 10 Press the <**BACK**> button.
- 11 Press the scroll button ▼ to select [**Y Dimension**] and then press the <**ENTER**> button.
- 12 Enter the paper length value using the ten-key pad and then press the <**ENTER**> button.
- 13 Press the <**ON LINE**> button to exit the menu mode.

For Windows PCL Printer Driver

- 1 Click [**Start**] and select [**Devices and Printers**].
- 2 Right-click the *Your Printer* icon and select the type of driver you want to specify from [**Printing preferences**].
- 3 On the [**Setup**] tab, click [**Paper Feed Options...**].

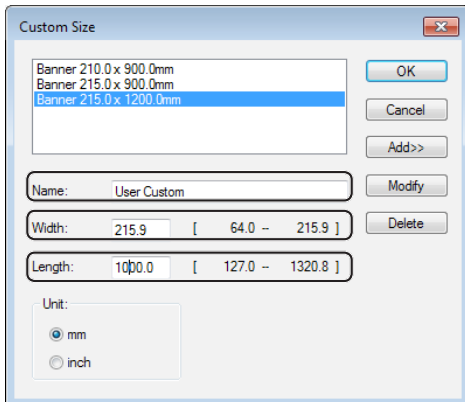


4 Click [**Custom Size...**].

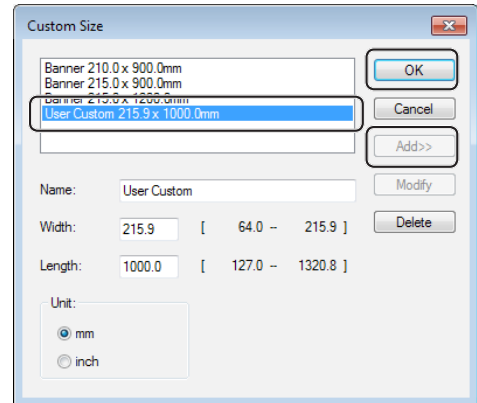


5 Enter a name and the dimensions.

- a Enter a name for the new size in the [**Name**] box.
- b Enter its dimensions in the [**Width**] and [**Length**] boxes.



6 Click [**Add**] to save the custom paper size to the list and then click [**OK**]. You can save up to 32 custom sizes.



7 Press [**OK**] until the [**Printing preferences**] dialog box is closed.

8 Open the file you want to print from the application.

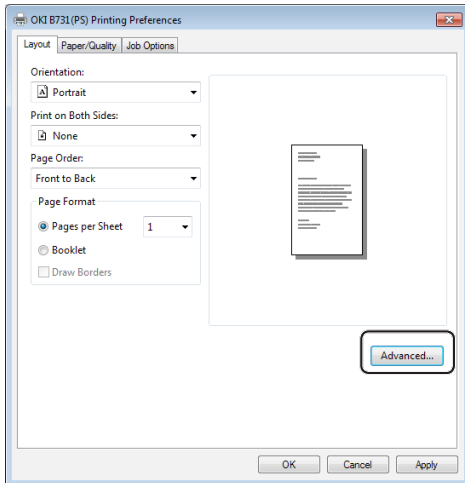
9 Select the registered paper size with the printer driver, and start printing on the print dialog.

Reference

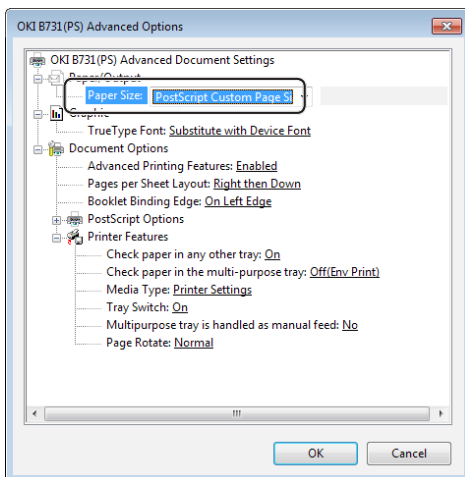
- For how to select paper with the printer driver, refer to the User's Manual (Setup).

For Windows PS Printer Driver

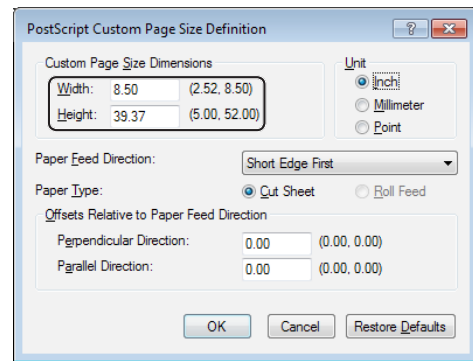
- 1 Click [**Start**] and select [**Devices and Printers**].
- 2 Right-click the *Your Printer* icon and select the type of driver you want to specify from [**Printing preferences**].
- 3 On the [**Layout**] tab, click [**Advanced**].



- 4 Click [**Paper Size**] and select [**PostScript Custom Page Size**] from the drop-down list.



- 5 Enter the dimensions in the [**Width**] and [**Height**] boxes, and press [**OK**].



Note

- [**Offsets Relative to Paper Feed Direction**] is not available.

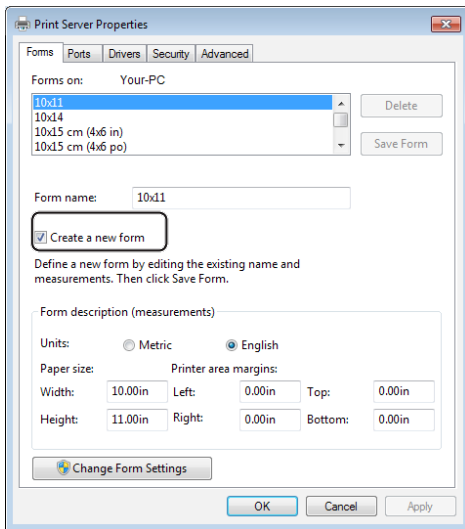
- 6 Press [**OK**] until the [**Printing preferences**] dialog box is closed.
- 7 Open the file you want to print from the application.
- 8 In the printer driver, select [**PostScript Custom Page Size**] for the paper size and start printing.

Reference

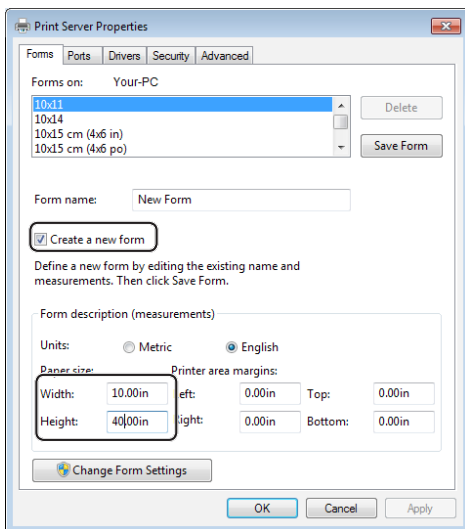
- For how to select paper with the printer driver, refer to the User's Manual (Setup).

For Windows XPS Printer Driver

- 1 Click [**Start**] and select [**Devices and Printers**].
- 2 Click a printer icon in [**Printers and Faxes**] and then click [**Print server properties**] on the top bar.
- 3 On the [**Forms**] tab, select the [**Create a new form**] check box.



- 4 Enter a name and the dimensions.
 - a Enter a name for the new size in the [**Name**] box.
 - b Enter its dimensions in the [**Width**] and [**Length**] boxes.



- 5 Click [**OK**].
- 6 Open the file you want to print from the application.

- 7 Select the registered paper size and start printing with the printer driver.

Reference

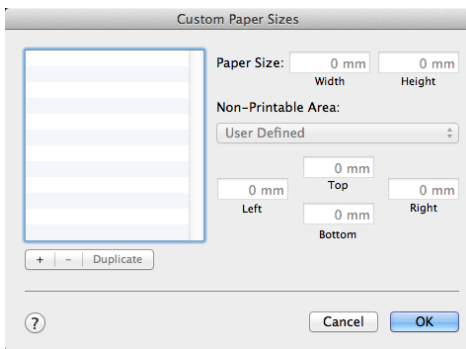
- For how to select paper with the printer driver, refer to the User's Manual (Setup).

For Mac OS X PS Printer Driver

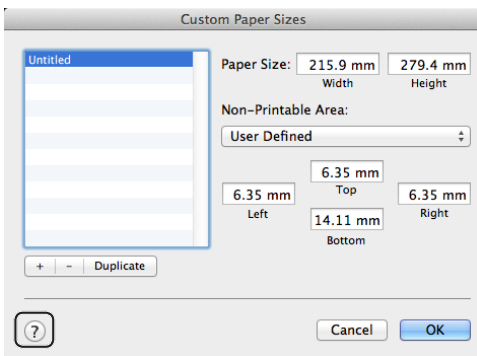
Note

- In the Mac OS X PS printer driver, paper size out of the available range can be set. However, the image will not be printed correctly, so set paper size within available range.

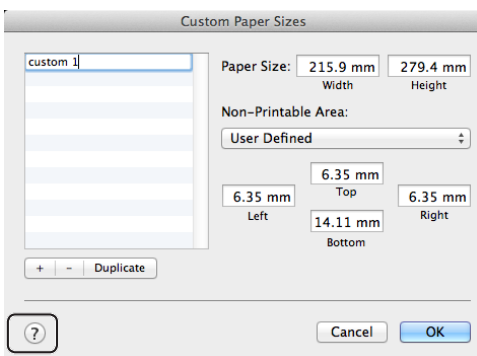
- 1 Open the file you want to print.
- 2 From the **[File]** menu, select **[Page Setup]**.
- 3 Select **[Manage Custom Sizes]** from **[Paper Size]**.



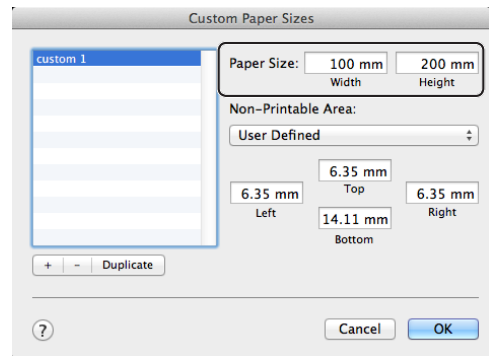
- 4 Click **[+]** to add an item to the list of custom paper sizes.



- 5 Double-click **[Untitled]** and enter a name for the custom paper size.



- 6 Enter the dimensions in the **[Width]** and **[Height]** boxes.



- 7 Click **[OK]**.
- 8 Click **[OK]**.
- 9 From the **[File]** menu, select **[Print]**.
- 10 Configure other settings if necessary and then start printing.

Memo

- If the print dialog does not contain the options you expect to see, click the **[Show Details]** button at the bottom of the dialog.

Reference

- For how to select paper with the printer driver, refer to the User's Manual (Setup).

Manual Printing

You can print a document feeding paper manually on the MP Tray. The printer prints on a sheet of paper at a time.

Every time a page is printed, the message “**Install Paper MPTray %MEDIA_SIZE% Press ONLINE Button**” appears. Press the <**ON LINE**> button to continue to print.

- 1 Load paper on the MP Tray.

Reference

- Refer to “Loading Paper” in the User’s Manual (Setup).

- 2 Open the file you want to print.
- 3 Configure the manual printing settings in the printer driver, and start printing.

For Windows PCL/XPS Printer Driver

- 1 From the [**File**] menu, select [**Print**].
- 2 Click [**Preferences**].
- 3 On the [**Setup**] tab, select [**Multipurpose Tray**] from [**Source**].
- 4 Click [**Paper Feed Options...**].
- 5 Select the [**Use MP Tray as manual feed**] check box and then click [**OK**].
- 6 Configure other settings if necessary and then start printing.
- 7 When a request message appears on the operator panel for loading paper on the MP Tray, press the <**ON LINE**> button.
If you print a multi-page document, the same message appears every time a page is printed.

For Windows PS Printer Driver

- 1 From the [**File**] menu, select [**Print**].
- 2 Click [**Preferences**].
- 3 Select the [**Paper/Quality**] tab.
- 4 Select [**Multi-Purpose Tray**] from [**Paper Source**].
- 5 Click [**Advanced**].
- 6 Click [**Multipurpose tray is handled as manual feed**] from the drop-down list and select [**Yes**].
- 7 Click [**OK**].
- 8 Configure other settings if necessary and then start printing on the print dialog.
- 9 If a request message appears on the operator panel for loading paper on the MP Tray, press the <**ON LINE**> button.
If you print a multi-page document, the same message appears every time a page is printed.

For Mac OS X PS Printer Driver

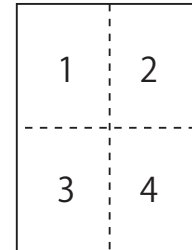
- 1 From the [**File**] menu, select [**Print**].
- 2 Select [**Paper Feed**] from the panel menu.
- 3 Select [**All Pages From**] and then select [**Multi Purpose Tray**].
- 4 Select [**Printer Features**] from the panel menu.
- 5 Select [**Insert**] from [**Feature Sets**].
- 6 Select [**Multipurpose tray is handled as manual feed**] check box.
- 7 Configure other settings if necessary and then start printing.
- 8 When a request message appears on the operator panel for loading paper on the MP Tray, press the <**ON LINE**> button.
If you print a multi-page document, the same message appears every time a page is printed.

Memo

- If the print dialog does not contain the options you expect to see, click the [**Show Details**] button at the bottom of the dialog.

Combining Multiple Pages Onto One Sheet of Paper (Multiple page printing)

You can print multiple pages of a document onto a single side of a sheet of paper.




Note

- This function scales down the page size of your document for printing. The center of the printed image may not be in the center of the paper.
- This function may not be available in some applications.

For Windows PCL/XPS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 On the [**Setup**] tab, select the number of pages to print on each sheet at [**Finishing Mode**].
- 5 Click [**Options**].
- 6 Specify the settings for [**Page Borders**], [**Page layout**] and [**Bind Margin**], and then click [**OK**].
- 7 Configure other settings if necessary and then start printing.

For Windows PS Printer Driver

- 1 Open the file you want to print.
 - 2 From the [**File**] menu, select [**Print**].
 - 3 Click [**Preferences**].
 - 4 On the [**Layout**] tab, select the number of pages to print on each sheet from [**Pages per Sheet**].
 - 5 Specify the following settings.
 - Select the [**Draw Borders**] check box to draw borders between pages on each sheet.
 - Select [**Advanced**] > [**Pages per Sheet Layout**] to set the layout of pages on each sheet.
-  **Note**
- [**Draw Borders**] and [**Pages per Sheet Layout**] are not available on some versions of Windows.
- 6 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Select [**Layout**] from the panel menu.
- 4 Select the number of pages to print on each sheet from [**Pages per Sheet**].
- 5 Specify the settings for [**Border**] and [**Layout Direction**].
- 6 Configure other settings if necessary and then start printing.

 **Memo**

- If the print dialog does not contain the options you expect to see, click the [**Show Details**] button at the bottom of the dialog.

Duplex Printing

You can print on both sides of a sheet of paper.

- Paper size that can be used for duplex printing
A4, A5, B5, Letter, Legal 13, Legal 13.5, Legal 14, Executive, Statement, 16K (197x273 mm, 195x270 mm, 184x260 mm), Custom size
- Media weight that can be used for duplex printing
64 to 220 g/m²
Do not use media weight other than the above.
It causes paper jams.

! Note

- This function may not be available in some applications.

Memo

- The width and length of custom sizes that can be used for duplex printing are as follows.
 - Width: 148 to 216 mm (5.8 to 8.5 inch)
 - Length: 210 to 356 mm (8.3 to 14 inch)

For Windows PCL/XPS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 On the [**Setup**] tab, select [**Long Edge**] or [**Short Edge**] from [**2-Sided Printing**].
- 5 Configure other settings if necessary and then start printing.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 On the [**Layout**] tab, select [**Flip on Long Edge**] or [**Flip on Short Edge**] from [**Print on Both Sides**].
- 5 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

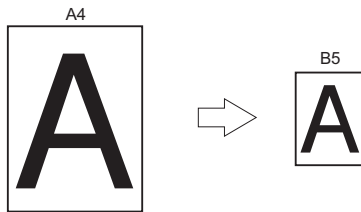
- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Select [**Layout**] from the panel menu.
- 4 Select [**Long-Edge binding**] or [**Short- Edge binding**] from [**Two-Sided**] on the [**Layout**] panel.
- 5 Configure other settings if necessary and then start printing.

Memo

- If the print dialog does not contain the options you expect to see, click the [**Show Details**] button at the bottom of the dialog.

Scaling to Pages

You can print data formatted for one size page onto a different size page without modifying the print data.



Note

- This function may not be available in some applications.

For Windows PCL/XPS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 On the [**Setup**] tab, click [**Paper Feed Options...**].
- 5 Select the [**Resize document to fit printer page**] check box in [**Fit to Page**].
- 6 Select a scaling value from [**Conversion**] and click [**OK**].
- 7 Configure other settings if necessary and then start printing.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 On the [**Job Options**] tab, select the [**Resize document to fit printer page**] check box in [**Fit to Page**].
- 5 As the paper size after scaling can be selectable, select it.
- 6 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Select [**Paper Handling**] from the panel menu.
- 4 Select the [**Scale to fit paper size**] check box.
- 5 Select the paper size you want to print from [**Destination Paper Size**].
- 6 Configure other settings if necessary and then start printing.

Memo

- If the print dialog does not contain the options you expect to see, click the [**Show Details**] button at the bottom of the dialog.

Collating Pages

You can print copies of multiple sets of a multipage document.

Note

- This function may not be available in some applications.
- Turn off the page collating mode in the application when you use this function with the Windows PS printer driver.

For Windows Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Options**] tab.
- 5 Select the number of copies to print from the [**Copies**] scrolling list and select the [**Collate**] check box.
- 6 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Enter the number of copies to print in [**Copies**].
- 4 Select [**Paper Handling**] from the panel menu, then uncheck the [**Collate pages**] check box.
- 5 Select [**Printer Features**] from the panel menu.
- 6 Select [**Job Options**] from [**Feature Sets**].
- 7 Select the check box of [**Collate**].
- 8 Configure other settings if necessary and then start printing.

Memo

- If the print dialog does not contain the options you expect to see, click the [**Show Details**] button at the bottom of the dialog.
- Select the [**Collate**] box to print without using the printer memory.

Setting the Page Order

You can set whether pages are printed in forward or reverse order to suit your needs.

If using a facedown stacker, set the printing to run in forward order to stack the paper in the order of the pages.

If using a faceup stacker, set the printing to run in the reverse order to stack the paper in the order of the pages.

Note

- Reverse order is not available with the Windows PCL/XPS printer driver.
- If the faceup stacker is not opened, pages are output on the facedown stacker.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the **[File]** menu, select **[Print]**.
- 3 Click **[Preferences]**.
- 4 On the **[Layout]** tab, select **[Front to Back]** or **[Back to Front]** from **[Page Order]**.
- 5 Configure other settings if necessary and then start printing.

Memo

- If **[Page Order]** does not appear, click **[Start]>[Devices and Printers]>** right-click the *Your Printer* icon > select **[Properties]>[Your Printer(PS)]>[Advanced]>[Enable advanced printing features]**.

For Mac OS X PS Printer Driver

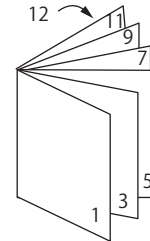
- 1 Open the file you want to print.
- 2 From the **[File]** menu, select **[Print]**.
- 3 Select **[Paper Handling]** from the panel menu.
- 4 Select **[Normal]** or **[Reverse]** from **[Page Order]** on the **[Paper Handling]** panel.
- 5 Configure other settings if necessary and then start printing.

Memo

- If the print dialog does not contain the options you expect to see, click the **[Show Details]** button at the bottom of the dialog.

Booklet Printing

You can print multipage documents with their pages ordered and arranged so that the final printed output can be folded into a booklet.



Note

- This function may not be available in some applications.
- This function is not available with Windows PCL and Mac OS X printer driver.
- Watermarks are not printed properly with this function.
- This function is invalid when you use the encrypted secure printing mode from a client computer sharing the printer with a print server.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the **[File]** menu, select **[Print]**.
- 3 Click **[Preferences]**.
- 4 On the **[Layout]** tab, select **[Booklet]** at **[Page Format]**.
If you want to print boarder lines, select the **[Draw Borders]** check box to draw borders.
- 5 Configure other settings if necessary and then start printing.

Memo

- When you want to make an A5 booklet using A4 sheets, select **[A4]** for the paper size.
- When making a booklet whose right side is bound (The right side is bound when the first page is the front), click **[Advanced]** on the **[Layout]** tab and select **[On Right Edge]** for **[Booklet Binding Edge]**. **[Booklet Binding Edge]** can not be used on some versions Windows.
- If you cannot use this function, click **[Start]>[Devices and Printers]>** right-click the *Your Printer* icon > select **[Properties]>[Your Printer(PS)]>[Advanced]>** select the **[Enable advanced printing features]** check box.

For Windows XPS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 On the [**Setup**] tab, select [**Booklet**] at [**Finishing Mode**].
- 5 Click [**Options**] and then set the booklet print options if necessary.
 - [**Signature**]: Specify the number of pages per side of each sheet of paper.
 - [**Right to Left**]: Print the booklet to be opened toward the right hand.
- 6 Click [**OK**].
- 7 Configure other settings if necessary and then start printing.

Memo

- When you want to make an A5 booklet using A4 sheets, select [**A4**] for the paper size.

Cover Printing

You can feed the first page of a print job from one tray and the remaining pages from another tray. This function is useful when you want to use one kind of paper for a cover and another for body pages.

! Note

- This function is not available with the Windows PCL/PS printer driver.

For Windows XPS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 On the [**Setup**] tab, click [**Paper Feed Options...**].
- 5 Select the [**Use different source for first page**] check box.
- 6 Select a source tray from [**Source**] and click [**OK**].
If necessary, select a paper weight from the [**Weight**] drop-down list.
- 7 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

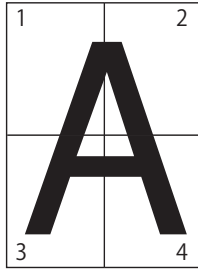
- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Select [**Paper Feed**] from the panel menu.
- 4 Select [**First Page From**] and select source trays for the first page and the remaining pages.
- 5 Configure other settings if necessary and then start printing.

Memo

- If the print dialog does not contain the options you expect to see, click the [**Show Details**] button at the bottom of the dialog.

Poster Printing

You can print a poster by dividing a single document into parts and printing it onto multiple sheets of paper. Each part is enlarged and printed on separate sheets of paper. You can then combine the separate sheets to create a poster.



Note

- This function is not available with the Windows PCL/PS printer driver and the Mac OS X PS printer driver.

Memo

- When making an A4 size poster using two A5 size papers, select **[A5]** for the paper size and **[2]** in **[Enlarge]** respectively.

For Windows XPS Printer Driver

- 1 Open the file you want to print.
- 2 From the **[File]** menu, select **[Print]**.
- 3 Click **[Preferences]**.
- 4 On the **[Setup]** tab, select **[Poster Print]** at **[Finishing Mode]**.
- 5 Click **[Options]**.
- 6 Set values for **[Enlarge]**, **[Add Crop Marks]**, or **[Add Overlap]** if necessary and press **[OK]**.
- 7 Configure other settings if necessary and then start printing.

Changing Print Quality (Resolution)

You can change the print quality to suit your needs.

Memo

- **[Normal (600x600)]** may produce better results for printing on a larger size of paper with the PS printer driver or the Mac OS X PS printer driver.

For Windows Printer Driver

- 1 Open the file you want to print.
- 2 From the **[File]** menu, select **[Print]**.
- 3 Click **[Preferences]**.
- 4 Select the **[Job Options]** tab.
- 5 Select a print quality level at **[Quality]**.
- 6 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

- 1 Open the file you want to print.
- 2 From the **[File]** menu, select **[Print]**.
- 3 Select **[Printer Features]** from the panel menu.
- 4 Select **[Job Options]** from **[Feature Sets]**.
- 5 Select a print quality level from **[Quality]**.
- 6 Configure other settings if necessary and then start printing.

Memo

- If the print dialog does not contain the options you expect to see, click the **[Show Details]** button at the bottom of the dialog.

Emphasizing Fine Lines

You can print fine lines and small characters clearer.

With some applications, if this function is turned on, the spaces in bar codes may become too narrow. If this happens, turn off this function.

Note

- This function is not available with the Windows PCL/XPS printer driver.

Memo

- This function is turned on by default.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Options**] tab.
- 5 Click the [**Advanced**].
- 6 Select the [**Adjust ultra fine lines**] check box and then click [**OK**].
- 7 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Select [**Printer Features**] from the panel menu.
- 4 Select [**Job Option**] from [**Feature Sets**].
- 5 Select the [**Adjust ultra fine lines**] check box.
- 6 Configure other settings if necessary and then start printing.

Memo

- If the print dialog does not contain the options you expect to see, click the [**Show Details**] button at the bottom of the dialog.

Auto Tray Selection

You can set in the printer driver to automatically switch paper feed trays with the same size of paper loaded.

First, set on the operator panel for the MP Tray to be available for auto selection. Then, set the auto selection of the tray with the printer driver.

Note

- Make sure to set a paper size for Tray1, Tray2/3/4 (option) and MP Tray. Available paper size differs depending on each tray. For details, refer to the User's Manual (Setup).

Memo

- In the default settings, the [**Tray Usage**] is [**Do Not Use**]. When at default settings, the MP Tray is not supported by the auto tray switching function.
- When a printer is in the power saving mode, press the <**POWER SAVE**> button to restore from the mode.

- 1 Press the <**Fn**> key.
- 2 Enter <**9**> and <**5**> using the ten-key pad and press the <**ENTER**> button.
- 3 Press the scroll button ▼ to select [**When Mismatching**] and then press the <**ENTER**> button.
- 4 Press the <**ON LINE**> button to exit the menu mode.
- 5 Specify a paper tray in the printer driver and start printing.

For Windows PCL/XPS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 On the [**Setup**] tab, select [**Auto**] from [**Source**].
- 5 Configure other settings if necessary and then start printing.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Paper/Quality**] tab.
- 5 Select [**Automatically Select**] from [**Paper Source**].
- 6 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Select [**Paper Feed**] from the panel menu.
- 4 Select [**All Pages From**] and select [**Auto Select**].
- 5 Configure other settings if necessary and then start printing.

 Memo

- If the print dialog does not contain the options you expect to see, click the [**Show Details**] button at the bottom of the dialog.

Auto Tray Switching

You can switch paper feed trays automatically. When a tray runs out of paper while printing, the printer locates another tray with the same size of paper on the printer driver and begins feeding paper from that tray. This function is effective for large print jobs of the same paper size. First, set on the operator panel for the MP Tray to be available for auto selection. Then, set the auto switching of the tray with the printer driver.

 Note

- Make sure to set the same values (paper size, media type, media weight) for each tray used for auto tray switching. Available paper size differs depending on each tray. For details, refer to the User's Manual (Setup).

 Memo

- In the default settings, the [**Tray Usage**] is [**Do Not Use**]. When at default settings, the MP Tray is not supported by the auto tray switching function.
- When a printer is in the power saving mode, press the <**POWER SAVE**> button to restore from the mode.

- 1 Press the <**Fn**> key.
- 2 Enter <**9**> and <**5**> using the ten-key pad and press the <**ENTER**> button.
- 3 Press the scroll button ▼ to select [**When Mismatching**] and then press the <**ENTER**> button.
- 4 Press the <**ON LINE**> button to exit the menu mode.
- 5 Configure the paper source setting on the print dialog.

For Windows PCL/XPS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 On the [**Setup**] tab, click [**Paper Feed Options...**].
- 5 Select the [**Auto Tray Change**] check box in [**Paper Feed Options...**] and then click [**OK**].
- 6 Configure other settings if necessary and then start printing.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Click [**Properties**] on the [**Layout**] tab.
- 5 Click [**Tray Switch**] under [**Printer Features**] and select [**On**] from the drop-down list.
- 6 Click [**OK**].
- 7 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Select [**Printer Features**] from the panel menu.
- 4 Select [**Insert Option**] from [**Feature Sets**].
- 5 Select the [**Tray Switch**] box.
- 6 Configure other settings if necessary and then start printing.

Saving Toner

You can print your documents using less toner.

This function controls the amount of toner by brightening up the whole page image.

You can set the amount for saving toner in 2 steps.

[**Printer Settings**]: Depending on the printer settings.

[**Off**]: Printing using normal toner.

[**Save Level Low**]: Printing saving toner with low level

[**Save Level High**]: Printing saving toner with high level



- The density of the printed images with this function may vary depending on the document being printed.

For Windows PCL/XPS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Options**] tab.
- 5 Select an appropriate value in [**Toner Saving**].
- 6 Configure other settings if necessary and then start printing.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Option**] tab.
- 5 Select an appropriate value in [**Toner Saving**].
- 6 Configure other settings if necessary and then start printing.

For Mac OS X PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Select [**Printer Features**] from the panel menu.
- 4 Select [**Job Options**] in [**Feature Sets**].
- 5 Select an appropriate value in [**Toner Saving**].
- 6 Configure other settings if necessary and then start printing.

Memo

- If the print dialog does not contain the options you expect to see, click the [**Show Details**] button at the bottom of the dialog.

Secure Printing

You can assign a password to a print job so it can only be printed if the password is input at the operator panel.

Note

- If the spooled data cannot be stored in the memory or hard disk because of a memory shortage, a message indicating that the data is invalid appears.
- This function is not available with the Windows XPS printer driver and the Mac OS X PS printer driver.

For Windows PCL Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Options**] tab.
- 5 Select [**Secure Print**] at [**Job Type**].
- 6 Enter a job name in the [**Job Name**] box and a password in the [**Personal ID Number(PIN)**] box.
If you select the [**Request Job Name for each print job**] check box, a prompt for the job name appears when you send the print job to the printer.
- 7 Click [**OK**].
- 8 Configure other settings if necessary and then start printing.
The print job is sent to the printer, but is not printed.
- 9 Press the <Fn> key.
- 10 Enter <2> using the ten-key pad and press the <ENTER> button.

11 Enter your password set in the step 6 in the [**Password**] box and then press the <**ENTER**> button to start a job searching.

- Press the <**CLEAR**> key if you enter a wrong number.
- Press the <**CANCEL**> button if you want to stop the job search.

12 Make sure that [**Print**] is selected and press the <**ENTER**> button.

If you select [**Delete**], you can cancel the print job.

13 Enter the number of copies and then press the <**ENTER**> button.

Note

- If you forget your password set for a job and do not print the job transmitted to the printer, the job remains in the printer.
For how to delete the job stored in the printer, refer to "[Delete Unwanted Jobs From a Memory or Hard Disk](#)" P.92

For Windows PS Printer Driver

- 1** Open the file you want to print.
- 2** From the [**File**] menu, select [**Print**].
- 3** Click [**Preferences**].
- 4** Select the [**Job Options**] tab.
- 5** Select [**Secure Print**] at [**Job Type**].
- 6** Enter a job name in the [**Job Name**] box and a password in the [**Personal ID Number(PIN)**] box.
If you select the [**Request Job Name for each print job**] check box, a prompt for the job name appears when you send the print job to the printer.
- 7** Click [**OK**].
- 8** Configure other settings if necessary and then start printing.
The print job is sent to the printer, but is not printed.
- 9** Press the <**Fn**> key.
- 10** Enter <**2**> using the ten-key pad and press the <**ENTER**> button.

11 Enter your password set in the step 6 in the [**Password**] box and then press the <**ENTER**> button to start a job searching.

- Press the <**CLEAR**> key if you enter a wrong number.
- Press the <**CANCEL**> button if you want to stop the job search.

12 Make sure that [**Print**] is selected and press the <**ENTER**> button.

If you select [**Delete**], you can cancel the print job.

13 Enter the number of copies and then press the <**ENTER**> button.

Note

- If you forget your password set for a job and do not print the job transmitted to the printer, the job remains in the printer.
For how to delete the job stored in the printer, refer to "[Delete Unwanted Jobs From a Memory or Hard Disk](#)" P.92.

Encrypted Secure Printing

You can encrypt your documents before sending them from a computer to the printer. That way, you can prevent unauthorized access to confidential information.

The document remains unprinted and stored in an encrypted format in the printer until you enter the registered password at the operator panel.

The print job stored in the printer is automatically deleted after printing or if it is not printed for more than a certain period of time. If an error occurs when the data is sent or if an unauthorized person is detected trying to access the job, it is automatically deleted.

Note

- If the spooled data cannot be stored in the memory or hard disk because of a memory shortage, a message indicating that the data is invalid appears.
- If the spooled data cannot be stored in the memory or hard disk because of a memory shortage, a message indicating that the data is invalid appears and the print job does not start. In this case, shortening the storing period of a print job specified in a printer driver prevents spooled data from increasing.
- This function is not available with the Windows XPS printer driver and the Mac OS X PS printer driver.
- When you use this function, clear the **[Job Spool]** check box. For details, refer to "Using a Print Buffer" P.43.
- **[Properties]** for a printer of Windows PS printer driver > **[Device Settings]** > **[Print only Encrypted print data]** can not be enabled with Windows Vista and after.
- The period of time a printer is turned off is not included in the storage period of the printer.
- If a printer turned off automatically through the sleep mode, the period of time a printer had been in the sleep mode is not included in the storage period of the printer.

For Windows PCL Printer Driver

- 1 Open the file you want to print.
- 2 From the **[File]** menu, select **[Print]**.
- 3 Click **[Preferences]**.
- 4 Select the **[Job Options]** tab.
- 5 Select **[Encrypted Secure Print]**.
- 6 Enter a password in the **[Password]** box and configure other options if necessary.

Reference


 - For details on the options, refer to the on-screen explanations of the driver.
- 7 Click **[OK]**.
- 8 Configure other settings if necessary and then start printing.

The print job is sent to the printer, but is not printed.
- 9 Press the **<Fn>** key.
- 10 Enter **<1>** using the ten-key pad and press the **<ENTER>** button.
- 11 Enter the password you set in step 6 in the **[Password]** box and then press the **<ENTER>** button to start a job searching.
 - Press the **<CLEAR>** key if you enter a wrong number.
 - Press the **<CANCEL>** button if you want to stop the job search.
- 12 Make sure that **[Print]** is selected and press the **<ENTER>** button.

If you select **[Delete]**, you can delete the print job, and all of the encrypted jobs with the same password are deleted as well.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Options**] tab.
- 5 Select [**Encrypted Secure Print**].
- 6 Enter a password in the [**Password**] box and configure other options if necessary.

 Reference

 - For details on the options, refer to the on-screen explanations of the driver.
- 7 Click [**OK**].
- 8 Configure other settings if necessary and then start printing.

The print job is sent to the printer, but is not printed.
- 9 Press the <**Fn**> key.
- 10 Enter <**1**> using the ten-key pad and press the <**ENTER**> button.
- 11 Enter the password you set in step 6 in the [**Password**] box and then press the <**ENTER**> button to start a job searching.
 - Press the <**CLEAR**> key if you enter a wrong number.
 - Press the <**CANCEL**> button if you want to stop the job search.
- 12 Make sure that [**Print**] is selected and press the <**ENTER**> button.

If you select [**Delete**], you can delete the print job, and all of the encrypted jobs with the same password are deleted as well.

Watermark Printing

You can print a watermark in addition to the text of the printed file.

! Note

- This function is not available with the Mac OS X PS printer driver.
- Watermarks are not printed properly for booklet printing.

For Windows Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select [**Job Options**] tab.
- 5 Click [**Watermark**].
- 6 Click [**New**].
- 7 Specify a text, size, angle, trim and position for the watermark and then click [**OK**].
- 8 Click [**OK**].
- 9 Configure other settings if necessary and then start printing.

! Note

- Watermarks are printed over the text or images of documents in the default settings with the Windows PS. printer driver. To print in the background of documents, check the [**Print in background**] box in the [**Watermark**] window. When the [**Print in background**] is checked on the [**Watermark**] window, depending on an application you use, the watermark may not be printed. In such a case, uncheck [**Print in background**].

Overlay Printing

You can print overlays such as logos or forms on documents.

In order to use this function, the printer must be equipped with the optional hard disk.

Note

- This function is not available with the Windows XPS printer driver and the Mac OS X PS printer driver.
- To use this function on a Windows PS printer driver, you need to log into your computer as an administrator.

Reference

- For details of the Configuration Tool and how to install the Configuration Tool, refer to "Configuration Tool" P.90.

1 Create an overlay with the Configuration Tool and register it on the printer.

Reference

- "Printing Out Print Information" P.46.

2 Define the overlay on the printer driver and start printing.

For Windows PCL Printer Driver

Memo

- Overlay is a group of forms. Three forms can be registered in an overlay. The forms are printed overlaid in the order that they were registered. The form registered last is printed at the top.

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Options**] tab.
- 5 Click [**Vector**] of [**Print Mode**].
- 6 Click [**Overlay**].
- 7 Select the [**Print Using Active Overlays**] check box.
- 8 Click [**Define Overlays**].
- 9 Enter a name for the overlay in [**Overlay Name**].
- 10 Enter the ID of the form you registered in the Configuration Tool in the [**ID Value(s)**].
- 11 Select the pages of the document on which to print the overlay from the [**Print on Pages**] drop-down list.

12 Click [**Add**].

13 Click [**Close**].

14 Select the overlay to use from the [**Defined Overlays**] and click [**Add**].

15 Click [**OK**].

16 Configure other settings if necessary and then start printing.

Reference

- "Configuration Tool" P.90.

For Windows PS Printer Driver

Memo

- An overlay is a form group. You can register three forms with one overlay.

- 1 Click [**Start**] and select [**Devices and Printers**].
- 2 Right-click the *Your Printer* icon and select the type of driver you want to specify from [**Printing preferences**].
- 3 Select the [**Job Options**] tab.
- 4 Click [**Overlay**].
- 5 Select [**Use Overlay**] from the drop-down list and click [**New**].
- 6 Enter the exact name of the overlay you registered in the Configuration Tool in the [**Form Name**] box and click [**Add**].
- 7 Enter a name for the overlay in the [**Overlay Name**] box.
- 8 Select the page of the document on which to print the overlay from the [**Print on Pages**] drop-down list.
- 9 Click [**OK**].
- 10 Select the overlay to use from the [**Defined Overlay**] and then click [**Add**].
- 11 Click [**OK**].
- 12 Click [**OK**] to close the print setup dialog box.
- 13 Open the file you want to print from the application.

14 Start printing on the print dialog.

Reference

- "Configuration Tool" P.90.

Storing Print Data

You can store print data on the memory or hard disk installed on the printer and print it as needed from the operator panel by entering a password.

! Note

- If the spooled data cannot be stored in the memory or hard disk because of a memory shortage, a message indicating that the data is invalid appears.
- This function is not available with the Windows XPS printer driver and the Mac OS X PS printer driver.

For Windows PCL Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Options**] tab.
- 5 Check [**Store for Re-print**].
- 6 Enter a job name in the [**Job Name**] box and a password in the [**Personal ID Number(PIN)**] box.
If you check the [**Request Job Name for each print job**] box, a prompt for the job name appears when you send the job to the printer.
- 7 Click [**OK**].
- 8 Configure other settings if necessary and then start printing.
The print job is sent to the printer, but is not printed.
- 9 Press the <**Fn**> key.
- 10 Enter <**2**> using the ten-key pad and press the <**ENTER**> button.
- 11 Enter the password you set in step 6 in the [**Password**] box and then press the <**ENTER**> button to start a job searching.
 - Press the <**CLEAR**> key if you enter a wrong number.
 - Press the <**CANCEL**> button if you want to stop the job search.
- 12 Make sure that [**Print**] is selected and then press the <**ENTER**> button.
If you select [**Delete**], you can delete the print job.

13 Enter the number of copies and then press the **<ENTER>** button.

Reference

- You can delete stored print data with the Configuration Tool. For details, refer to "Delete Unwanted Jobs From a Memory or Hard Disk" P.92.

For Windows PS Printer Driver

- Open the file you want to print.
- From the [**File**] menu, select [**Print**].
- Click [**Preferences**].
- Select the [**Job Options**] tab.
- Check [**Store for Re-print**].
- Enter a job name in the [**Job Name**] box and a password in the [**Personal ID Number(PIN)**] box.
If you check the [**Request Job Name for each print job**] box, a prompt for the job name appears when you send the job to the printer.
- Click [**OK**].
- Configure other settings if necessary and then start printing.
The print job is sent to the printer, but is not printed.
- Press the **<Fn>** key.
- Enter **<2>** using the ten-key pad and press the **<ENTER>** button.
- Enter the password you set in step 6 in the [**Password**] box and then press the **<ENTER>** button to start a job searching.
 - Press the **<CLEAR>** key if you enter a wrong number.
 - Press the **<CANCEL>** button if you want to stop the job search.
- Make sure that [**Print**] is selected and then press the **<ENTER>** button.
If you select [**Delete**], you can delete the print job.
- Enter the number of copies and then press the **<ENTER>** button.

Reference

- You can delete stored print data with the Configuration Tool. For details, refer to "Delete Unwanted Jobs From a Memory or Hard Disk" P.92.

Saving the Driver Settings

You can save the printer driver settings.

Note

- This function is not available with the Windows PS printer driver and the Mac OS X PS printer driver.

For Windows PCL/XPS Printer Driver

■ Saving the Settings

- Click [**Start**] and select [**Devices and Printers**].
- Right-click the *Your Printer* icon and then select the type of driver you want to specify from [**Printing preferences**].
- Configure the print settings to save.
- On the [**Setup**] tab, click [**Save**] at [**Driver Settings**].
- Specify a name for the setting to save and then click [**OK**].
If you select the [**Keep form information.**] check box, the paper configuration on the [**Setup**] tab is also saved.
- Click [**OK**] to close the print setup dialog box.

Memo

- Up to 14 forms can be stored.

■ Using the Saved Settings

- Open the file you want to print.
- From the [**File**] menu, select [**Print**].
- Click [**Preferences**].
- On the [**Setup**] tab, select a setting you want to use from [**Driver Settings**].
- Start printing.

Changing the Driver's Default Settings

You can set the print setting that you use frequently as the printer driver's default setting.

For Windows Printer Driver

- 1 Click [**Start**] and select [**Devices and Printers**].
- 2 Right-click the *Your Printer* icon and then select the type of driver you want to change from [**Printing preferences**].
- 3 Configure the print settings to use as the driver's default setting.
- 4 Click [**OK**].

For Mac OS X PS Printer Driver

- 1 Open a file.
- 2 From the [**File**] menu, select [**Print**].
- 3 Configure the print settings to use as the driver's default settings.
- 4 Select [**Save Current Settings as Preset...**] from [**Presets**].
- 5 Enter a name for the settings and click [**OK**].
- 6 Click [**Cancel**].

Note

- To use the saved settings, select the name from [**Presets**] in the print dialog.

Using Printer Fonts

You can print your documents using pre-installed printer fonts by substituting them for TrueType fonts in the computer.

Note

- The printer fonts do not exactly duplicate the appearance of the TrueType fonts displayed on the screen.
- This function is not available with the Windows XPS printer driver and the Mac OS X PS printer driver.
- To use this function with the Windows PS printer driver you must be logged on your computer as an administrator.
- This function is not available in some applications.

For Windows PCL Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Options**] tab.
- 5 Click [**Fonts**].
- 6 Select the [**Font Substitution**] check box.
- 7 Specify which printer fonts to use instead of TrueType fonts in the [**Font Substitution Table**].
- 8 Click [**OK**].
- 9 Configure other settings if necessary and then start printing.

For Windows PS Printer Driver

- 1 Click [**Start**] and select [**Devices and Printers**].
- 2 Right-click the *Your Printer* icon and then select [**Printer properties**] > [*Your Printer(PS)*].
- 3 Select the [**Device Settings**] tab.
- 4 Specify which printer fonts to use instead of TrueType fonts in the [**Font Substitution Table**].
To specify the font substitution, click each TrueType font and select a printer font to substitute that with from the drop-down list.
- 5 Click [**OK**].
- 6 Open the file you want to print.
- 7 From the [**File**] menu, select [**Print**].
- 8 Click [**Preferences**].
- 9 On the [**Layout**] tab, click [**Advanced**].
- 10 Select [**Substitute with Device Font**] at [**TrueType Font**] and then click [**OK**].
- 11 Configure other settings if necessary and then start printing.

Using Computer Fonts

You can print your documents using TrueType fonts in the computer to retain the same font appearance as on the computer screen.

! Note

- This function is not available with the Windows XPS printer driver and the Mac OS X PS printer driver.

For Windows PCL Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Options**] tab.
- 5 Click [**Fonts**].
- 6 Deselect the [**Font Substitution**] check box, select either of the following fonts and then click [**OK**].
 - [**Download as Outline Font**]
Font images are created by the printer.
 - [**Download as Bitmap Font**]
Font images are created by the printer driver
- 7 Configure other settings if necessary and then start printing.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 On the [**Layout**] tab, click [**Advanced**].
- 5 Click [**TrueType Font**] and select [**Download as Softfont**] from the drop-down list.
- 6 Click [**OK**].
- 7 Configure other settings if necessary and then start printing.

Using a Print Buffer

You can spool a print job in the hard disk installed in the printer.

This function frees memory on your computer so it can handle other tasks faster while the printer is running in the background.

! Note

- If the spooled data cannot be stored in the hard disk because of a memory shortage, a message indicating that the data is invalid appears.
- This function is not available with the Windows XPS printer driver and the Mac OS X PS printer driver.

For Windows PCL Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Options**] tab.
- 5 Click [**Advanced**].
- 6 Select the [**Job Spool**] to Check box and click [**OK**].
- 7 Start printing.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 Select the [**Job Options**] tab.
- 5 Click [**Advanced**].
- 6 Select the [**Job Spool**] check box and click [**OK**].
- 7 Start printing.

Printing to File

You can print a document to a file, without printing it out on paper.

! Note

- You must be logged on your computer as an administrator.

For Windows Printer Driver

- 1 Click [**Start**] and select [**Devices and Printers**].
- 2 Right-click the *Your Printer* icon and then select the type of driver you want to use from [**Printer properties**].
- 3 Select the [**Ports**] tab.
- 4 Select [**FILE:**] from the port list and click [**OK**].
- 5 Start printing.
- 6 Enter the name of a file and then click [**OK**].

For Mac OS X PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**PDF**] on the print dialog and select a file format.
- 4 Enter the name of a file and select where to save it in and click [**Save**].

Downloading PS Files

You can download PostScript files to the printer and print them.

! Note

- This function is available only when you are using a TCP/IP network.
- The OKI LPR Utility is not available with the Mac OS X PS printer driver.

For OKI LPR Utility

- 1 Launch the OKI LPR Utility.
- 2 Select [**Download**] from the [**Remote Print**] menu.
- 3 Select the file to download and click [**Open**].
After finishing the download, the PostScript file is printed.

Printing Out PS Errors

You can print out the details of PostScript errors when they occur.

! Note

- This function is not available with the Windows PCL printer driver, the Windows XPS printer driver, and the MAC OS X PS printer driver.

For Windows PS Printer Driver

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Click [**Preferences**].
- 4 On the [**Layout**] tab, click [**Advanced**].
- 5 Click [**Send PostScript Error Handler**] under [**PostScript Options**] and select [**Yes**] from the drop-down list.
- 6 Click [**OK**] until the print setup dialog box is closed and printing starts.

Changing Emulation Mode

You can select the emulation mode.



- To enter the [**Admin Setup**] menu, an administrator password is necessary. The default password is "aaaaaa".
- 1 Press the <**ENTER**> button on the operator panel.
 - 2 Press the scroll button ▼ to select [**Admin Setup**] and then press the <**ENTER**> button.
 - 3 Enter the administrator password using the ten-key pad.
 - 4 Press the <**ENTER**> button.
 - 5 Press the scroll button ▼ to select [**Print Setup**] and then press the <**ENTER**> button.
 - 6 Make sure that [**Personality**] is selected and then press the <**ENTER**> button.
 - 7 Press the scroll button ▼ to select an emulation mode and then press the <**ENTER**> button.
 - 8 Press the <**ON LINE**> button to exit the menu mode.

2. Changing Printer Settings

This chapter explains how to configure the printer settings from the <ENTER> button on the operator panel.

2

2. Changing Printer Settings

■ Checking the Current Settings

This section explains the basic procedure to print out print information. By printing out the print information, you can check the current settings of the printer.

Printing Out Print Information

You can print and check the printer configurations and a usage report.

Reference

- For details on the print information you can print and the structure of the [**Print Information**] menu, refer to "Print Information" P.52.

Memo

- When a printer is in the power saving mode, press the <POWER SAVE> button to restore from the mode.

- 1 Press the <Fn> key.
- 2 Enter <1>, <0> and <0> using the ten-key pad and press the <ENTER> button.
- 3 Make sure that [**Execute**] is selected and then press the <ENTER> button.
- 4 Press the <ENTER> button.

■ Changing the Printer Menu Settings

This section explains the basic procedure to change the printer settings.

Reference

- For details on the menu structure of the printer settings, refer to "List of Setup Menu" P.49.

Settings Menu

- 1 Press the scroll button ▼.
- 2 Press the scroll button ▼ to select the setup menu on which you want to change a setting and then press the <ENTER> button.
- 3 Change the setting and then press the <ENTER> button.
- 4 Press the <ON LINE> button to exit the menu mode.

Admin Setup

To enter the [**Admin Setup**] menu, an administrator password is necessary.

Memo

- The default password is "aaaaaa".
- You can enter the [**Wireless Setting**] or [**Enable Wired Communications**] menu in the same manner with the same password.

- 1 Press the scroll button ▼.
- 2 Press the scroll button ▼ to select [**Admin Setup**] and then press the <ENTER> button.
- 3 Enter the administrator password using the ten-key pad.
- 4 Press the <ENTER> button.
- 5 Press the scroll button ▼ to select the setup menu on which you want to change a setting and then press the <ENTER> button.
- 6 Change the setting and then press the <ENTER> button.
- 7 Press the <ON LINE> button to exit the menu mode.

Print Statistics

Print Statistics is the print statistics menu for printing.

To enter the [**Print Statistics**] menu, an administrator password is necessary.

 Memo

- The default password is "0000".
- 1 Press the scroll button ▼.
 - 2 Press the scroll button ▼ to select [**Print Statistics**] and press the <**ENTER**> button.
 - 3 Enter the administrator password using the ten-key pad.
 - 4 Press the <**ENTER**> button.
 - 5 Press the scroll button ▼ to select the setup menu on which you want to change a setting and then press the <**ENTER**> button.
 - 6 Change the setting and then press the <**ENTER**> button.
 - 7 Press the <**ON LINE**> button to exit the menu mode.

Boot Menu

Boot Menu is used to change system settings. Only the administrator should use this menu.

To enter [**Boot Menu**] menu, an administrator password is necessary.

 Memo

- The default password is "aaaaaa".
- 1 Hold down the <**ENTER**> button and press the power switch.
 - 2 Press the <**ENTER**> button.
 - 3 Enter the administrator password using the ten-key pad.
 - 4 Press the <**ENTER**> button.
 - 5 Press the scroll button ▼ to select the setup menu on which you want to change a setting and then press the <**ENTER**> button.
 - 6 Change the setting and then press the <**ENTER**> button.
 - 7 Press the <**ON LINE**> button to exit the menu mode

List of Setup Menu

Device Setting Menu

| Item | Description |
|-------------------------------|--|
| Print From USB Memory | Prints the files on a USB memory. |
| Print Secure Job | Prints an encrypted authentication print job (Encrypted Job) or an authentication print job (Secure Job) stored in a flash memory or hard disk. |
| Configuration | Indicates information about the printer, such as Tray Count, Supplies Life, Network, and System. |
| Print Information | Prints various information about the printer. |
| Menus | Menus for general users. |
| Admin Setup | Menus for the administrator. In order to access this menu, the password is required. The default password is "aaaaaa". |
| Print Statistics | Menu for print statistics. In order to access this menu, the password is required. The default password is "0000". |
| Wireless Setting | Menus for changing the wireless LAN settings. This menu is displayed when wireless LAN is installed. In order to access this menu, the password is required. The default password is "aaaaaa". |
| Enabling Wired Communications | Enable wired LAN connection. And at the same time, wireless LAN connection will be lost. This menu is displayed when network connection is wireless. In order to access this menu, the password is required. The default password is "aaaaaa". |
| Boot Menu | Boot menu. This menu is displayed only in English. To boot this menu, hold down the <ENTER> button and turn on the printer. In order to access this menu, the password is required. The default password is "aaaaaa". |

Print From USB Memory

| Item | Value | Factory Default | Descriptions | |
|-------------------|------------|--|--|---|
| Select Print File | | | Select a file from USB Memory and print. | |
| Print Setup | Paper Feed | MPTray(xx) Tray1(xx) Tray2(xx) Tray3(xx) Tray4(xx) | * | Specifies a paper tray. (xx) is the paper size in trays. Tray2 to 4 is displayed only if they are installed. |
| | Copies | 1 — 999 | * | Sets the number of copies. |
| | Duplex | On Off | * | Specifies Duplex Print. |
| | Binding | Long Edge Short Edge | * | Specifies Binding in Duplex Printing. |
| | Fit | On Off | * | Specifies fitting. |

Print Secure Job

| Item | Value | Descriptions | |
|---------------|----------------|--------------|---|
| Encrypted Job | Enter Password | ***** | Enters a password to execute Secure Print. |
| | Encrypted Job | Not Found | Use it in printing the encrypted authentication print job (Encrypted Job) stored in Resident FLASH and HDD. |
| | | Print Delete | |
| Stored Job | Enter Password | **** | Enters a password to execute Secure Print. |
| | Stored Job | Not Found | Used to print out a stored job in a Resident FLASH and HDD. |
| | | Print Delete | |

Configuration

| Item | Value | Descriptions | |
|---------------|------------------------|-----------------|---|
| Tray Count | MPTray | nnnnnn | Displays the total number of pages printed from MP Tray(Multi-Purpose Tray). The number of pages fed from MP Tray. |
| | Tray1 | nnnnnn | Displays the total number of pages printed from Tray 1. The number of pages fed from Tray 1. |
| | Tray2 | nnnnnn | Displays the total number of pages printed from Tray 2. The number of pages fed from Tray 2. (Tray2 or LCF is installed.) |
| | Tray3 | nnnnnn | Displays the total number of pages printed from Tray 3. The number of pages fed from Tray 3. (Tray3 or Tray2+LCF is installed.) |
| | Tray4 | nnnnnn | Displays the total number of pages printed from Tray 4. The number of pages fed from Tray 4. (Tray4 is installed.) |
| Supplies Life | Toner (n.nK) | Remaining nnn % | Displays the remaining toner amount in %. Display of (n.nK) in the Item column is capacity of toner cartridge installed in the printer. [Conditions for display] This menu item is only displayed on MPS/ES series models. |
| | Drum | Remaining nnn % | Displays the remaining life of the BLACK drum in %. [Conditions for display] This menu item is only displayed on MPS/ES series models. |
| | Print Cartridge (n.nK) | Remaining nnn % | Displays the remaining toner amount in %. Display of (n.nK) in the Item column is capacity of print cartridge installed in the printer. [Conditions for display] This menu item is only displayed on B series models. |

| Item | | Value | Descriptions | |
|--|-----------------------|--|---|---|
| Supplies Life | Fuser | Remaining nnn % | Displays the remaining life of the FUSER unit in %. | |
| Network (When wireless LAN is not installed.) | Printer Name | ***** | Displays Printer Name of the network with a wire. | |
| | Short Printer Name | ***** | Displays Short Printer Name of the network with a wire. | |
| | IPv4 Address | xxx.xxx.xxx.xxx | Displays the IP address. | |
| | Subnet Mask | xxx.xxx.xxx.xxx | Displays the subnet mask. | |
| | Gateway Address | xxx.xxx.xxx.xxx | Displays the gateway address. | |
| | MAC Address | xx:xx:xx:xx:xx:xx | Displays the MAC address of the network with a wire. | |
| | Network FW Version | xx.xx | Displays the version of F/W of the network with a wire. | |
| | Web Remote Version | xx.xx | Displays the version of WebPage of the network with a wire. | |
| | IPv6 Address (Local) | xxxx:xxxx:xxxx:xx xx:xxxx:xxxx:xxxx: xxxx | Displays the IPv6 address (local). | |
| | IPv6 Address (Global) | xxxx:xxxx:xxxx:xx xx:xxxx:xxxx:xxxx: xxxx | Displays the IPv6 address (global). | |
| Network (When wireless LAN is installed.) | Network Information | Network Connection | Wired Wireless | Display the current network connection type. |
| | | Printer Name | ***** | Displays Printer Name. |
| | | Short Printer Name | ***** | Displays Short Printer Name. |
| | | IPv4 Address | xxx.xxx.xxx.xxx | Displays the IP address. |
| | | Subnet Mask | xxx.xxx.xxx.xxx | Displays the subnet mask. |
| | | Gateway Address | xxx.xxx.xxx.xxx | Displays the gateway address. |
| | | MAC Address | xx:xx:xx:xx:xx:xx | Displays the MAC address. |
| | | Network FW Version | xx.xx | Displays the version of F/W of the network. |
| | | Web Remote Version | xx.xx | Displays the version of WebPage of the network. |
| | | IPv6 Address (Local) | xxxx:xxxx:xxxx:xx xx:xxxx:xxxx:xxxx: :xxxx | Displays the IPv6 address (local). |
| | IPv6 Address (Global) | xxxx:xxxx:xxxx:xx xx:xxxx:xxxx:xxxx: :xxxx | Displays the IPv6 address (global). | |
| | Wireless Information | Firmware Version | xxxxxx | The version of Wireless LAN Firmware. |
| | | Serial No. | xxxxxx | The MAC address of wireless lan board. |
| | | SSID | xxxxxx | SSID of connection |
| | | Security | xxxxxx | The security type of wireless lan. |
| | | State | xxxxxx | The state of wireless lan. |
| | | Band | xxxxxx | The using band of wireless lan. |
| | | Channel | xxxxxx | The using channel of wireless lan. |
| RSSI | | xxxxxx | Displays the RSSI by percent. | |
| System | Serial Number | ***** | Displays the serial number of the printer. | |
| | Asset Number | xxxxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxxx | Displays the Asset Number of the printer. | |
| | CU Version | xx.xx | Displays the version number of CU (Control Unit) firmware. | |

| Item | | Value | Descriptions |
|--------|---------------|--|--|
| System | PU Version | xx.xx.xx | Displays the version number of PU (Print Unit) firmware. |
| | RAM | xxMB | Displays the total size of all the Flash Memory installed in the printer. |
| | Flash Memory | xxMB [Fxx] | Displays the total size of all the Flash Memory installed in the printer. |
| | HDD | xx.xxGB [Fxx] | Displays the hard disk size. This item appears only when HDD is installed. |
| | Date and Time | yyyy/mm/dd hh:mm mm/dd/yyyy hh:mm dd/mm/yyyy hh:mm | Displays the current date and time. |

Print Information

| Item | | Value | Descriptions |
|--------------------|--------------|---------|---|
| Configuration | | Execute | Prints the configuration details of the print server. |
| Network | | Execute | Prints general information on the network. |
| Demo Page | DEMO1 ... | Execute | Prints a demo page. Multiple demo patterns are displayed if provided. |
| File List | | Execute | Prints a job file list. |
| PS Font List | | Execute | Prints a font list of installed PostScript. |
| PCL Font List | | Execute | Prints a font list of installed PCL emulation. |
| IBM PPR Font List | | Execute | Prints a font list of IBMPPR. |
| EPSON FX Font List | | Execute | Prints a font list of EPSON FX. |
| Usage Report | | Execute | Prints the total of JobLog. |
| Error Log | | Execute | Prints an error log. |

| Item | | Value | Factory Default | Descriptions | |
|--------------------|---------------|---|--|--|---|
| Tray Configuration | MPTray Config | Media Weight | Light Medium Light Medium Medium Heavy Heavy Ultra Heavy1 Ultra Heavy2 Ultra Heavy3 | * | Sets the paper weight for MP Tray. |
| | | Tray Usage | Normal Tray When Mismatching Do Not Use | * | Sets MP Tray usage. |
| | Tray1 Config | Paper Size | Cassette Size Custom Other Size | * | Sets paper in TRAY1. |
| | | X Dimension | 5.8inch — 8.3inch — 8.5inch | *A *L | Sets paper width of custom size paper in TRAY1. |
| | | | 148millimeter — 210millimeter — 216millimeter | *A *L | |
| | | | Y Dimension | 8.3inch — 11.0inch — 11.7inch — 14.0inch | |
| | | Media Type | 210millimeter — 279millimeter — 297millimeter — 356millimeter | *L *A | |
| | | | Media Type | Plain Letterhead Bond Recycled Card Stock Rough | * |
| | | Media Weight | Light Medium Light Medium Medium Heavy Heavy Ultra Heavy1 Ultra Heavy2 | * | Sets the paper weight for Tray 1. |
| | | Legal Paper | Legal14 Legal13.5 Legal13 | * | Sets the Legal size paper for Tray 1. |
| | Other Size | 16K(184x260mm) 16K(195x270mm) 16K(197x273mm) Statement Com-9 Envelope | * | Set up the Other paper size of Tray1 | |

| Item | | Value | Factory Default | Descriptions | |
|--------------------|--------------|---|---|--|---|
| Tray Configuration | Tray2 Config | Paper Size | Cassette Size Custom Other Size | * | Sets paper in TRAY2. |
| | | X Dimension | 5.8inch — 8.3inch — 8.5inch | *A *L | Sets paper width of custom size paper in TRAY2. |
| | | | 148millimeter — 210millimeter — 216millimeter | *A *L | |
| | | | Y Dimension | 8.3inch — 11.0inch — 11.7inch — 14.0inch | |
| | | Media Type | 210millimeter — 279millimeter — 297millimeter — 356millimeter | *L *A | |
| | | | Plain Letterhead Bond Recycled Card Stock Rough | * | Sets the media type for Tray 2. |
| | | | Media Weight | Light Medium Light Medium Medium Heavy Heavy Ultra Heavy1 Ultra Heavy2 | * |
| | Legal Paper | Legal14 Legal13.5 Legal13 | * | Sets the Legal size paper for Tray 2. | |
| | Other Size | 16K(184x260mm) 16K(195x270mm) 16K(197x273mm) Statement | * | Set up the Other paper size of Tray2. | |
| | Tray3 Config | Paper Size | Cassette Size Custom Other Size | * | Sets paper in TRAY3. |
| | | X Dimension | 5.8inch — 8.3inch — 8.5inch | *A *L | Sets paper width of custom size paper in TRAY3. |
| | | | 148millimeter — 210millimeter — 216millimeter | *A *L | |

| Item | | Value | Factory Default | Descriptions | | |
|--------------------|--------------|---|--|--|--|---------------------------------------|
| Tray Configuration | Tray3 Config | Y Dimension | 8.3inch — 11.0inch — 11.7inch — 14.0inch | *L *A | Sets paper length of custom size paper in TRAY3. | |
| | | | 210millimeter — 279millimeter — 297millimeter — 356millimeter | *L *A | | |
| | | Media Type | Plain Letterhead Bond Recycled Card Stock Rough | * | | Sets the media type for Tray 3. |
| | | Media Weight | Light Medium Light Medium Medium Heavy Heavy Ultra Heavy1 Ultra Heavy2 | * | | Sets the paper weight for Tray 3. |
| | | Legal Paper | Legal14 Legal13.5 Legal13 | * | | Sets the Legal size paper for Tray 3. |
| | | Other Size | 16K(184x260mm) 16K(195x270mm) 16K(197x273mm) Statement | * | | Set up the Other paper size of Tray3. |
| | Tray4 Config | Paper Size | Cassette Size Custom Other Size | * | Sets paper in TRAY4. | |
| | | X Dimension | 5.8inch — 8.3inch — 8.5inch | *A *L | Sets paper width of custom size paper in TRAY4. | |
| | | | 148millimeter — 210millimeter — 216millimeter | *A *L | | |
| | | | Y Dimension | 8.3inch — 11.0inch — 11.7inch — 14.0inch | | *L *A |
| | | 210millimeter — 279millimeter — 297millimeter — 356millimeter | | *L *A | | |

| Item | | Value | Factory Default | Descriptions | |
|--------------------|---------------------|-----------------|--|--------------|--|
| Tray Configuration | Tray4 Config | Media Type | Plain Letterhead Bond Recycled Card Stock Rough | * | Sets the media type for Tray 4. |
| | | Media Weight | Light Medium Light Medium Medium Heavy Heavy Ultra Heavy1 Ultra Heavy2 | * | Sets the paper weight for Tray 4. |
| | | Legal Paper | Legal14 Legal13.5 Legal13 | * | Sets the Legal size paper for Tray 4. |
| | | Other Size | 16K(184x260mm) 16K(195x270mm) 16K(197x273mm) Statement | * | Set up the Other paper size of Tray4. |
| | Paper Feed | | MPTray Tray1 Tray2 or Tray2(LCF) Tray3 or Tray3(LCF) Tray4 | * | Specifies a paper tray. TRAY2 to 4, Tray2(LCF), and Tray3(LCF): Displayed only if they are installed. * When LCF is installed, the string for LCF will be "Tray2(LCF)" or "Tray3(LCF)" according to its position, but not "Tray2/3" or "LCF". |
| | Auto Tray Switch | | On Off | * | Sets the Auto Tray switching function. |
| | Tray Sequence | | Down Up Paper Feed | * | Specifies selection order priority for switching Auto Tray Select/Auto Tray Switch. |
| | Unit of Measurement | | inch millimeter | *L *A | Specifies the unit of custom paper size. |
| | Duplex Last Page | | Skip Blank Page Always Print | * | When Skip Blank Page is selected, the last page of an odd-page duplex print job is printed as Simplex. When Always Print is selected, the printer operates as usual. |
| | System Adjust | Power Save Time | 1 minute 2 minutes 3 minutes 4 minutes 5 minutes 10 minutes 15 minutes 30 minutes 60 minutes | * | Sets the time to wait for moving to Power Save mode. |

| Item | | Value | Factory Default | Descriptions |
|---------------|---------------------|---|-----------------|--|
| System Adjust | Sleep Time | 1 minute 2 minutes 3 minutes 4 minutes 5 minutes 10 minutes 15 minutes 30 minutes 60 minutes | * | Sets the time to switch from Power Save mode to Sleep mode. |
| | Auto Power Off Time | 1 hour 2 hours 3 hours 4 hours 8 hours 12 hours 18 hours 24 hours | * | Sets the time to switch from Idle state to Off mode. |
| | Clearable Warning | ONLINE Job | * | Sets display deletion timing of clearable warnings. |
| | Auto Continue | On Off | * | Sets whether a printer is automatically recovered or not when memory overflow/tray request occurs. |
| | Manual Timeout | Off 30 seconds 60 seconds | * | Sets time to wait for paper to be fed in manual feed. |
| | Timeout Injob | Off 5 seconds 10 seconds 20 seconds 30 seconds 40 seconds 50 seconds 60 seconds 90 seconds 120 seconds 150 seconds 180 seconds 210 seconds 240 seconds 270 seconds 300 seconds | * | Sets time between stopping reception of job data and performing force printing. |
| | Timeout Local | 0 seconds 5 seconds — 40 seconds — 290 seconds 295 seconds 300 seconds | * | Sets time to open of each port after end of job (The network is excluded.) |
| | Timeout Network | 0 seconds 5 seconds — 90 seconds — 290 seconds 295 seconds 300 seconds | * | Sets time to open of Network port after end of job. |

| Item | | Value | Factory Default | Descriptions | | |
|---------------|-----------------------|--------|------------------|--|---|--|
| System Adjust | Low Toner | | Continue Stop | * | Sets printer operation when Toner Low is detected. | |
| | Jam Recovery | | On Off | * | Set whether JAM RECOVERY printing is performed or not when Jam occurs. | |
| | Error Report | | On Off | * | Sets whether an error report is printed or not when an internal error occurs. | |
| | Hex Dump | | Execute | | Prints out data received from the host PC in the hexadecimal Dump. Turning off the power supply switch restored Normal Mode from HEX Dump Mode. | |
| Print Adjust | Print Position Adjust | MPTray | X Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from MP Tray Adjusts the position of a whole print image in the direction that is perpendicular to the direction paper runs, that is horizontally (at 0.25 mm pitch). |
| | | | Y Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from MP Tray Adjust the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). |
| | Print Position Adjust | MPTray | Duplex X Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from MP Tray At the time of back page printing of Duplex, adjusts the position of the whole print image in the direction that is perpendicular to the direction paper runs, that is horizontally (at 0.25mm pitch). |
| | | | Duplex Y Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from MP Tray At the time of back page printing of Duplex, adjusts the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). |

| Item | | | Value | Factory Default | Descriptions |
|-----------------------|----------|-----------------|--|--|--|
| Print Adjust | Tray1 | X Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray1 Adjusts the position of a whole print image in the direction that is perpendicular to the direction paper runs, that is horizontally (at 0.25 mm pitch). |
| | | Y Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray1 Adjust the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). |
| | | Duplex X Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray1 At the time of back page printing of Duplex, adjusts the position of the whole print image in the direction that is perpendicular to the direction paper runs, that is horizontally (at 0.25mm pitch). |
| Print Position Adjust | Tray1 | Duplex Y Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray1 At the time of back page printing of Duplex, adjusts the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). |
| | | Tray2 | X Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * |
| | Y Adjust | | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray2 Adjust the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). |

| Item | | | Value | Factory Default | Descriptions |
|-----------------------|-------|-----------------|--|-----------------|--|
| Print Adjust | | Duplex X Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray2 At the time of back page printing of Duplex, adjusts the position of the whole print image in the direction that is perpendicular to the direction paper runs, that is horizontally (at 0.25mm pitch). |
| | | Duplex Y Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray2 At the time of back page printing of Duplex, adjusts the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). |
| | Tray3 | X Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray3 Adjusts the position of a whole print image in the direction that is perpendicular to the direction paper runs, that is horizontally (at 0.25 mm pitch). |
| Print Position Adjust | Tray3 | Y Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray3 Adjust the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). |
| | | Duplex X Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray3 At the time of back page printing of Duplex, adjusts the position of the whole print image in the direction that is perpendicular to the direction paper runs, that is horizontally (at 0.25mm pitch). |

| Item | | | Value | Factory Default | Descriptions |
|-----------------------|-------|-----------------|--|-----------------|--|
| Print Adjust | | Duplex Y Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray3 At the time of back page printing of Duplex, adjusts the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). |
| | Tray4 | X Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray4 Adjusts the position of a whole print image in the direction that is perpendicular to the direction paper runs, that is horizontally (at 0.25 mm pitch). |
| | | Y Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray4 Adjust the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). |
| | | Duplex X Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray4 At the time of back page printing of Duplex, adjusts the position of the whole print image in the direction that is perpendicular to the direction paper runs, that is horizontally (at 0.25mm pitch). |
| Print Position Adjust | Tray4 | Duplex Y Adjust | 0.00millimeter +0.25millimeter — +2.00millimeter -2.00millimeter — -0.25millimeter | * | For the paper fed from Tray4 At the time of back page printing of Duplex, adjusts the position of a whole print image in the direction paper runs, that is vertically (at 0.25mm pitch). |

| Item | | Value | Factory Default | Descriptions |
|--------------|----------------------|---------------------------------------|-----------------|--|
| Print Adjust | Paper Black Setting | 0 +1 +2 +3 -3 -2 -1 | * | Use it for fine adjustment of the significant dust attachment on the surface and when thin spot has the significant impact on the standard/BLACK printing or other cases occur. The decrement is necessary if the scattered or snow-white like printing is the result in the high density-printing area. The increment is necessary if the thin printing is found. |
| | Trans. Black Setting | 0 +1 +2 +3 -3 -2 -1 | * | Use it for fine adjustment of the significant dust attachment on the surface and when thin spot has the significant impact on OHP/BLACK printing. The decrement is necessary if the scattered or snow-white like printing is the result in the high density-printing area. The increment is necessary if the thin printing is found. |
| | Darkness | 0 +1 +2 +3 -3 -2 -1 | * | Sets print darkness. (It is possible to change by "1" unit.) |
| | SMR Setting | 0 +1 +2 +3 -3 -2 -1 | * | To correct variations in print results caused by temperature/humidity conditions and difference in print density/frequency. Change the setting when print quality is uneven. |
| | BG Setting | 0 +1 +2 +3 -3 -2 -1 | * | To correct variations in print results caused by temperature/humidity conditions and difference in print density/frequency. Change the setting when background is dark. |

| Item | | Value | Factory Default | Descriptions |
|--------------|-----------------|-----------|-----------------|---|
| Print Adjust | Drum Cleaning | On Off | * | Sets whether to rotate the drum in idle prior to printing in order to reduce horizontal white lines. Be warned that this will shorten the ID life as much as this rotation. |
| | High Humid Mode | On Off | * | Sets On or Off for the curl reduction mode. |
| | Quiet Mode | On Off | * | Sets Off/On of the quiet printing mode. |

Admin Setup

In order to access **[Admin Setup]** menu, an administrator password is required. For details, see ["Admin Setup" P.47](#).

In Factory Default column, [*L] indicates Letter for the Paper Size default setting and [*A] indicates A4 for the Paper Size default setting. Factory Default setting for the Paper Size differs depending on the printer.

| Item | Value | Factory Default | Descriptions | |
|----------------|------------------|--|---|---|
| Enter Password | ***** | aaaaaa | Enters a password to enter Admin Setup menu. The default value is aaaaaa. From 6 to 12 digits of numbers or Roman character to input. | |
| Network Setup | TCP/IP | Enable Disable | * | Sets Enable/Disable of TCP/IP Protocol. |
| | IP Version | IP v4 IP v4+v6 IP v6 | * | Set up the IP version. |
| | NetBIOS over TCP | Enable Disable | * | Sets Enable/Disable of NetBIOS over TCP Protocol. |
| | IP Address Set | Auto Manual | * | Sets the IP address setting method. |
| | IPv4 Address | xxx.xxx.xxx.xxx | | Sets the IP address. |
| | Subnet Mask | xxx.xxx.xxx.xxx | | Sets the subnet mask. |
| | Gateway Address | xxx.xxx.xxx.xxx | | Sets the Gateway (default router) address. 0.0.0.0 means that there is no router. |
| | Web | Enable Disable | * | Sets Enable/Disable of Web. |
| | Telnet | Enable Disable | * | Sets Enable/Disable of Telnet. |
| | FTP | Enable Disable | * | Sets Enable/Disable of FTP. |
| | IPSec | Enable Disable | * | Displayed only when Enable is selected for TCP/IP and allows a change only to Disable. |
| | SNMP | Enable Disable | * | Sets SNMP of FTP. |
| | Network Scale | Normal Small | * | When Normal is selected, it can work effectively even when it is connected to HUB that has a spanning tree feature. |
| | Gigabit Network | Enable Disable | * | Sets Enable/Disable of Gigabit network. |
| | Hub Link Setting | Auto Negotiate 100Base-TX Full 100Base-TX Half 10Base-T Full 10Base-T Half | * | Sets a method to link with HUB. |
| TCP ACK | Type1 Type2 | * | Sets a type of TCP Acknowledgment. | |

| Item | | Value | Factory Default | Descriptions |
|---|----------------------|---|-----------------|---|
| Network Setup | Factory Defaults? | Execute | | Specifies whether to initialize the network menu or not. |
| Parallel Setup (When Parallel I/F is installed.) | Parallel | Enable Disable | * | Sets Enable/Disable of Parallel I/F. |
| | Bi-Direction | Enable Disable | * | Sets Enable/Disable of bi-directional Parallel. |
| | ECP | Enable Disable | * | Sets Enable/Disable of ECP mode. |
| | Ack Width | Narrow Medium Wide | * | Sets ACK width for compatible reception. |
| | Ack/Busy Timing | Ack in Busy Ack while Busy | * | Sets the order to output the BUSY signal and the ACK signal for compatible reception. |
| | I-Prime | 3 microseconds 50 microseconds Disable | * | Sets time to enable/disable the I-PRIME signal. |
| | Offline Receive | Enable Disable | * | Sets Enable/Disable of a function that keeps receive-possible state without changing an I/F signal even though an alarm occurs. |
| USB Setup | USB | Enable Disable | * | Sets able/disable of USB I/F. |
| | Speed | 480Mbps 12Mbps | * | Sets of the max. USB I/F transfer speed. |
| | Soft Reset | Enable Disable | * | Sets Enable/Disable of Soft Reset command. |
| | Serial Number | Enable Disable | * | Specifies Enable/Disable of a USB serial number. |
| | Offline Receive | Enable Disable | * | Sets Enable/Disable of a function that keeps receive-possible state without changing I/F signal even though an alarm occurs. |
| | USB Memory Interface | Enable Disable | * | Sets able/disable of USB memory I/F. |
| Print Setup | Personality | Auto PCL XPS IBM PPR EPSON FX PostScript | * | Selects a printer language. |
| | Copies | 1 — 999 | * | Sets the number of copies. |
| | Duplex | On Off | * | Specifies Duplex Print. |
| | Binding | Long Edge Short Edge | * | Specifies Binding in Duplex Printing. |

| Item | Value | Factory Default | Descriptions | |
|-------------|---------------------|--|--------------|---|
| Print Setup | Media Check | Enable Disable | * | Sets whether the printer checks the matching of paper size of the print data and that of the tray. |
| | A4/Letter Override | No Yes | * | When the paper size of a job has been set to A4 and A4 has not been set in a printer, if there is Letter paper in the printer, this job will be printed by Letter paper without paper requesting. |
| | Resolution | 600dpi 1200dpi | * | Sets the resolution. |
| | Toner Save | Off Low High | * | Set the toner save level. |
| | Default Orientation | Portrait Landscape | * | Specifies print orientation. |
| | Form Length | 5lines — 60lines — 64lines — 128lines | *L *A | Sets the number of lines that can be printed on a page(Only for PCL)Invalid in PS. |
| | Edit Size | Cassette Size A4 A5 A6 B5 B6 Legal14 Legal13.5 Legal13 Letter Executive 16K(184x260mm) 16K(195x270mm) 16K(197x273mm) Statement Custom Com-9 Envelope Com-10 Envelope Monarch Envelope DL Envelope C5 Envelope C6 Envelope Index Card | * | Sets the size of an area to draw when the host PC does not specify the size by the paper edit size designating command. (Only for PCL)Invalid in PS |
| | X Dimension | 3inch — 8.3inch — 8.5inch | *A *L | Specifies paper width of Custom paper as a default value. Sets a paper in a direction perpendicular to paper run direction |
| | | 76.2millimeter — 210millimeter — 216millimeter | *A *L | |

| Item | | Value | Factory Default | Descriptions |
|-------------|-------------------|--|-----------------|--|
| Print Setup | Y Dimension | 5inch — 11.0inch — 11.7inch — 52.0inch | *L *A | Specifies paper length of Custom paper as a default value. Sets a paper in the same direction to paper run direction. |
| | | 127millimeter — 279millimeter — 297millimeter — 1321millimeter | *L *A | |
| PS Setup | Network Protocol | ASCII RAW | * | Specifies PS communication protocol mode of data from Network. (In RAW mode, Ctrl-T is invalid.) |
| | Parallel Protocol | ASCII RAW | * | Specifies PS communication protocol mode of data from Parallel. |
| | USB Protocol | ASCII RAW | * | Specifies PS communication protocol mode of data from USB. |
| | PDF Paper Size | Current Tray Size Size in PDF file Scaling Size | * | Paper size Select of PDF Direct Print |
| | PDF Scaling Size | 1% — 99% | * | Specifies scaling size by percent when PDF Paper Size is set to Scaling Size. |
| PCL Setup | Font Source | Resident Download | * | Specifies the location of PCL default font. |
| | Font Number | I0 S1 | * | Sets the PCL font number. The valid range of this variable changes depending on the FONT SOURCE setting at the time. |
| | Font Pitch | 0.44CPI — 10.00CPI — 99.99CPI | * | Width of the PCL default font. The unit is character/ inch (Default font is fixed-pitch, scalable font.) Displayed only when the font selected in Font No. is fixed-spacing, scalable font. |
| | Font Height | 4.00 point — 12.00 point — 999.75 point | * | Height of the PCL default font. Displayed only when the font selected in Font No. is proportional-spacing, scalable font. |

| Item | | Value | Factory Default | Descriptions |
|-----------|------------|---|-----------------|---------------------------|
| PCL Setup | Symbol Set | PC-8 PC-8 Dan/Nor PC-8 Grk PC-8 TK PC-775 PC-850 PC-851 Grk PC-852 PC-855 PC-857 TK PC-858 PC-862 Heb PC-864 L/A PC-866 PC-866 Ukr PC-869 PC-1004 Pi Font Plska Mazvia PS Math PS Text Roman-8 Roman-9 Roman Ext Serbo Croat1 Serbo Croat2 Spanish Ukrainian VN Int'l VN Math VN US Win 3.0 Win 3.1 Arb Win 3.1 L/G Win 3.1 Blt Win 3.1 Cyr Win 3.1 Grk Win 3.1 Heb Win 3.1 L1 Win 3.1 L2 Win 3.1 L5 Wingdings Dingbats MS Symbol OCR-A OCR-B OCRB Subset2 HP ZIP USPSFIM USPSSTP USPSZIP Arabic-8 Bulgarian CWI Hung DeskTop | * | Sets a symbol set of PCL. |

| Item | | Value | Factory Default | Descriptions |
|-----------|----------------|---|-----------------|--|
| PCL Setup | Symbol Set | German Greek-437 Greek-437 Cy Greek-737 Greek-8 Greek-928 Hebrew NC Hebrew OC Hebrew-7 Hebrew-8 IBM-437 IBM-850 IBM-860 IBM-863 IBM-865 ISO Dutch ISO L1 ISO L2 ISO L4 ISO L5 ISO L6 ISO L9 ISO Swedish1 ISO Swedish2 ISO Swedish3 ISO-2 IRV ISO-4 UK ISO-6 ASC ISO-10 S/F ISO-11 Swe ISO-14 JASC ISO-15 Ita ISO-16 Por ISO-17 Spa ISO-21 Ger ISO-25 Fre ISO-57 Chi ISO-60 Nor ISO-61 Nor ISO-69 Fre ISO-84 Por ISO-85 Spa ISO-Cyr ISO-Grk ISO-Hebrew Kamenicky Legal Math-8 MC Text MS Publish PC Ext D/N PC Ext US PC Set1 PC Set2 D/N PC Set2 US | | |
| | A4 Print Width | 78 column 80 column | * | Sets in PCL the number of characters for A4 paper Auto LF. |

| Item | | Value | Factory Default | Descriptions | |
|-----------|------------------|--|-------------------------|--|---|
| PCL Setup | White Page Skip | On Off | * | Sets whether to eject or not a page without any data to print (blank page) upon reception of FF command (OCH) in PCL Mode. | |
| | CR Function | CR CR+LF | * | Sets performance when CR code is received in PCL. | |
| | LF Function | LF LF+CR | * | Sets performance when LF code is received in PCL. | |
| | Print Margin | Normal 1/5 inch 1/6 inch | * | Sets a non-printable area of paper. | |
| | Pen Width Adjust | On Off | * | When the minimum width is specified in PCL, if you draw a 1-dot line, it sometimes looks broken. | |
| | Tray ID# | MP Tray | 1 — 4 — 59 | * | Sets the # to specify the MP Tray for the paper feed destination command (ESC&l#H) in PCL5e emulation |
| | | Tray1 | 1 — 59 | * | Sets the # to specify Tray 1 for the paper feed destination command (ESC&l#H) in PCL5e emulation. |
| | | Tray2 | 1 — 5 — 59 | * | Sets the # to specify Tray 2 for the paper feed destination command (ESC&l#H) in PCL5e emulation. |
| | | Tray3 | 1 — 20 — 59 | * | Sets the # to specify Tray 3 for the paper feed destination command (ESC&l#H) in PCL5e emulation. |
| | | Tray4 | 1 — 21 — 59 | * | Sets the # to specify Tray 4 for the paper feed destination command (ESC&l#H) in PCL5e emulation. |
| XPS Setup | DigitalSignature | Print Invalid Sign Print Only Valid Sign Off | * | Sets up the DigitalSignature function. (The default is Off.) | |
| | DiscardControl | Auto Each Page Off | * | Sets up the DiscardControl function. (The default is Auto.) | |
| | MC Mode | On Off | * | Sets up the MarkupComaptibility function. (The default is On.) | |
| | Unzip Mode | Auto Speed Print | * | Specifies the unzip method for XPS files. (The default is Speed.) | |

| Item | | Value | Factory Default | Descriptions |
|---------------|-----------------|--|-----------------|--|
| XPS Setup | White Page Skip | On Off | * | Sets whether or not to eject pages that contain no print data (blank pages) using XPS. |
| IBM PPR Setup | Character Pitch | 10 CPI 12 CPI 17 CPI 20 CPI Proportional | * | Specifies character pitch in IBM PPR emulation. |
| | Font Condense | 12CPI to 20CPI 12CPI to 12CPI | * | Specifies 12CPI pitch for Condense Mode. |
| | Character Set | SET-2 SET-1 | * | Sets a character set. |
| | Symbol Set | IBM-437 IBM-850 IBM-860 IBM-863 IBM-865 PC Set1 PC Ext US PC Ext D/N PC Set2 US PC Set2 D/N Roman-8 ISO L1 PC-8 PC-8 Dan/Nor PC-850 Legal ISO-2 IRV ISO-4 UK ISO-6 ASC ISO-10 S/F ISO-11 Swe ISO-14 JASC ISO-15 Ita ISO-16 Por ISO-17 Spa ISO-21 Ger ISO-25 Fre ISO-57 Chi ISO-60 Nor ISO-61 Nor ISO-69 Fre ISO-84 Por ISO-85 Spa German Spanish ISO Dutch Roman Ext ISO Swedish1 ISO Swedish2 ISO Swedish3 | * | Sets a symbol set. |

| Item | | Value | Factory Default | Descriptions |
|---------------|----------------|--|-----------------|--|
| IBM PPR Setup | Symbol Set | VN Math VN Int'l VN US PS Math PS Text Math-8 Pi Font MS Publish Win 3.0 DeskTop Win 3.1 L1 MC Text PC-852 Win 3.1 L5 Win 3.1 L2 CWI Hung PC-857 TK ISO L2 ISO L5 PC-8 TK Kamenicky Hebrew NC Hebrew OC Plska Mazvia ISO L6 Win 3.1 Heb Win 3.1 Cyr PC-866 Win 3.1 Grk PC-869 PC-855 Greek-437 Greek-437 Cy Greek-737 Greek-928 Serbo Croat2 Ukrainian Bulgarian PC-1004 Win 3.1 Blt PC-775 Serbo Croat1 PC-858 Roman-9 ISO L9 Greek-8 Win 3.1 L/G PC-851 Grk PC-8 Grk Hebrew-7 ISO-Hebrew Hebrew-8 PC-862 Heb ISO-Cyr ISO-Grk PC-866 Ukr ISO L4 | | |
| | Letter O Style | Enable Disable | * | Specifies the style that replaces φ(9B)and ¥ (9D) with φ(ou) and Φ(zero) |
| | Zero Character | Normal Slashed | * | Specifies the style of 0(zero). |

| | Item | Value | Factory Default | Descriptions |
|----------------|-----------------|--|-----------------|--|
| IBM PPR Setup | Line Pitch | 6 LPI 8 LPI | * | Sets line space. |
| | White Page Skip | On Off | * | Sets ejecting or not ejecting a blank sheet. |
| | CR Function | CR CR+LF | * | Sets performance when CR code is received. |
| | LF Function | LF LF+CR | * | Sets performance when LF code is received. |
| | Line Length | 80 column 136 column | * | Specifies the number of characters per line. |
| | Form Length | 11 inch 11.7 inch 12 inch | *L *A | Specifies the length of paper. |
| | TOF Position | 0.0inch 0.1inch — 1.0inch | * | Sets the position from the top edge of paper. |
| | Left Margin | 0.0inch 0.1inch — 1.0inch | * | Sets the amount to shift the horizontal print start position to the right. |
| | Fit to Letter | Enable Disable | *L *A | Sets the printing mode that can fit print data, equivalent to 11 inches (66 lines), in the LETTER-size printable area. |
| | Text Height | Same Diff | * | Sets height of a character. |
| EPSON FX Setup | Character Pitch | 10 CPI 12 CPI 17 CPI 20 CPI Proportional | * | Specifies character pitch. |
| | Character Set | SET-2 SET-1 | * | Specifies a character set. |
| | Symbol Set | IBM-437 IBM-850 IBM-860 IBM-863 IBM-865 PC Set1 PC Ext US PC Ext D/N PC Set2 US PC Set2 D/N Roman-8 ISO L1 PC-8 PC-8 Dan/Nor PC-850 Legal ISO-2 IRV ISO-4 UK ISO-6 ASC ISO-10 S/F | * | Specifies a symbol set. |

| Item | | Value | Factory Default | Descriptions |
|----------------|------------|---|-----------------|--------------|
| EPSON FX Setup | Symbol Set | ISO-11 Swe ISO-14 JASC ISO-15 Ita ISO-16 Por ISO-17 Spa ISO-21 Ger ISO-25 Fre ISO-57 Chi ISO-60 Nor ISO-61 Nor ISO-69 Fre ISO-84 Por ISO-85 Spa German Spanish ISO Dutch Roman Ext ISO Swedish1 ISO Swedish2 ISO Swedish3 VN Math VN Int'l VN US PS Math PS Text Math-8 Pi Font MS Publish Win 3.0 DeskTop Win 3.1 L1 MC Text PC-852 Win 3.1 L5 Win 3.1 L2 CWI Hung PC-857 TK ISO L2 ISO L5 PC-8 TK Kamenicky Hebrew NC Hebrew OC Plska Mazvia ISO L6 Win 3.1 Heb Win 3.1 Cyr PC-866 Win 3.1 Grk PC-869 PC-855 Greek-437 Greek-437 Cy Greek-737 Greek-928 Serbo Croat2 Ukrainian Bulgarian PC-1004 Win 3.1 Blt | | |

| | Item | Value | Factory Default | Descriptions |
|----------------|------------------|---|-----------------|--|
| EPSON FX Setup | Symbol Set | PC-775 Serbo Croat1 PC-858 Roman-9 ISO L9 Greek-8 Win 3.1 L/G PC-851 Grk PC-8 Grk Hebrew-7 ISO-Hebrew Hebrew-8 PC-862 Heb ISO-Cyr ISO-Grk PC-866 Ukr ISO L4 | | |
| | Letter O Style | Enable Disable | * | Specifies the style that replacesø(9B) and ¥ (9D) withø(ou) and Φ(zero). |
| | Zero Character | Normal Slashed | * | Specifies the style of O (zero). |
| | Line Pitch | 6 LPI 8 LPI | * | Sets line spacing |
| | White Page Skip | On Off | * | Sets whether ejecting a blank sheet or not. |
| | CR Function | CR CR+LF | * | Sets performance when CR code is received. |
| | Line Length | 80 column 136 column | * | Specifies the number of characters per line. |
| | Form Length | 11 inch 11.7 inch 12 inch | *L *A | Specifies the length of paper. |
| | TOF Position | 0.0inch 0.1inch — 1.0inch | * | Sets the position from the top edge of paper. |
| | Left Margin | 0.0inch 0.1inch — 1.0inch | * | Sets the amount of shifting the horizontal print start position to the right. |
| | Fit to Letter | Enable Disable | *L *A | Sets the printing mode that can fit print data, equivalent to 11 inches (66 lines), in the Letter-size printable area. |
| | Text Height | Same Diff | * | Sets height of a character. |
| Panel Setup | Near Life Status | Enable Disable | * | Sets up LCD display control for the occurrence of a near life warning of a drum or fuser. |
| | Near Life LED | Enable Disable | * | Sets up LED Lighting control for the occurrence of a near life warning of a toner, drum or fuser. |
| | Idle Display | Toner Gauge Paper Size | * | Specify display information in idle Display. |

| Item | | Value | Factory Default | Descriptions | |
|-------------|--------------------------|---|--|--|-----------------------|
| Panel Setup | Panel Contrast | -10 — 0 — +10 | * | Tuning the LCD contrast level of the operator panel. | |
| | Invalid Operation Volume | Off Low High | * | Set the buzzer volume when invalid operation. | |
| | Error Volume | Off Low High | * | Set the buzzer volume when error occurred. | |
| Time Setup | Date Format | yyyy/mm/dd mm/dd/yyyy dd/mm/yyyy | *L *A | Set the format of date. | |
| | Time Zone | -12:00 -11:45 -11:30 -11:15 -11:00 — -1:00 -0:45 -0:30 -0:15 +0:00 +0:15 +0:30 +0:45 +1:00 — +12:15 +12:30 +12:45 +13:00 | * | Set the time zone(the difference to GMC). | |
| | Daylight Saving | On Off | * | Set the Day light saving. | |
| | Time Setting | | 2000/01/01 00 :00 — 2009/01/01 00 :00 — 2091/12/31 23 :59 | | Set the current time. |
| | | | 01/01/2000 00 :00 — 01/01/2009 00 :00 — 12/31/2091 23 :59 01/01/2000 00 :00 — 01/01/2009 00 :00 — 31/12/2091 23 :59 | *L *A | |
| Power Setup | Power Save | Enable Disable | * | Sets Enable/Disable of Power Save Mode. | |
| | Sleep | Enable Disable | * | Sets Enable/Disable of Sleep Mode. | |
| | Auto Power Off | Enable Auto Config Disable | * | Set the behavior of Auto Power Off. | |

| Item | | Value | Factory Default | Descriptions | |
|--------------|----------------------|-----------------------|---|----------------|---|
| Others Setup | RAM Setup | Receive Buffer Size | Auto 0.5 megabyte 1 megabyte 2 megabyte 4 megabyte 8 megabyte 16 megabyte 32 megabyte | * | Sets the size of receive buffer |
| | | Resource Save | Auto Off 0.5 megabyte 1 megabyte 2 megabyte 4 megabyte 8 megabyte 16 megabyte 32 megabyte | * | Sets the size of resource saving area. |
| | Flash Memory Setup | Initialize | Execute | | Initializes Resident FLASH. |
| | HDD Setup | Initialize | Execute | | The data stored in the HDD needs to be deleted. The re-initialization of the partition is not to be executed. |
| | | Resize Partition | PCL nn% Common mm% PS ll% <Apply> | 20 50 30 | Specifies the size of partition. |
| | | Format Partition | PCL Common PS | | Formats a specified partition. |
| | | Erase HDD | Execute | | This item appears only when HDD is installed. |
| | Storage Common Setup | Check File System | Execute | | Resolves mismatch between actual memory and displayed memory available in a file system and performs administration data (FAT information) recovery. Performs these by file system. |
| | | Check All Sectors | Execute | | Performs recovery of a defective HDD sector information and a file system mismatch mentioned above. This may takes many minutes according the size of HDD. |
| | | Enable Initialization | No Yes | * | Prevents a setting change accompanying initialization of BlockDevice (HDD, FLASH). |

| Item | | Value | Factory Default | Descriptions | |
|------------------|------------------|---------------------|----------------------------|------------------------------------|---|
| Others Setup | Security Setup | Job Limitation | Off Encrypted Job | * | Job limitation mode control. |
| | | Make Secure HDD | Execute | | Enables the encryption function for data stored in HDD. |
| | | Make Normal HDD | Execute | | Disables the encryption function for data stored in HDD. mon Setup-Enable Initialization. |
| | | Reset Cipher Key | Execute | | Resets a cipher key to be used in an encrypted hard disk. |
| | Language Setup | Language Initialize | Execute | | Initialize the message file loaded in FLASH. |
| | Job Cancel Setup | Cancel Key Behavior | Short Long Off | * | Specify the behavior when Cancel button is pressed in printing. |
| | | Inquiry Display | On Off | * | Specify whether the Job Cancel selection request will be displayed. |
| | | Focus Position | Yes No | * | Specify the default selection of Job Cancel request. |
| | | Display Timeout | 60 — 180 — 300 | * | Specify the timeout of Job Cancel selection request. When the time passed, the printing will be continued as Job Cancel = No. |
| | Settings | Reset Settings | | Execute | |
| Save Settings | | Execute | | Saves menus currently set. | |
| Restore Settings | | Execute | | Changes to the menu setting saved. | |
| Change Password | New Password | | ***** | | Sets a new password to enter Admin Setup menu From 6 to 12 digits of number or Roman character can be enter. |
| | Verify Password | | ***** | | Makes User input the new password to enter Admin Setup menu which is set by New Password for confirmation. |

Print Statistics

| Item | | Value | Factory Default | Descriptions |
|------------------------|-----------------|-------------------|-----------------|---|
| Enter Password | | **** | 0000 | Enters a password to enter Print Statistics menu. The default value is 0000. |
| Usage Report | | Enable Disable | * | Sets Enable or Disable for Usage Report. |
| Supplies Report | | Enable Disable | * | Sets whether to view or hide the number of replacement of consumables. |
| Reset Main Counter | | Execute | | Resets the main counter. |
| Reset Supplies Counter | | Execute | | Resets the number of replacement of consumables. |
| Change Password | New Password | **** | | Sets a new password to enter Print Statistics menu. |
| | Verify Password | **** | | Makes User input the new password to enter Print Statistics set in New Password for confirmation. |

Wireless Setting

*This menu is displayed on the wireless LAN model only.

| Item | | Value | Factory Default | Descriptions |
|-----------------------|---------------------|--|-----------------|--|
| Enter Password | | ***** | aaaaaa | Enters a password to enter Wireless Setting menu. The password for entry to this menu is same as Admin Setup. The default value is aaaaaa. From 6 to 12 digits of numbers or Roman character to input. |
| Automatic Setup (WPS) | WPS-PBC | Execute | | WPS-PBC is executed. |
| | WPS-PIN | Execute | | WPS-PIN is executed. |
| Manual Setup | SSID | | | Input SSID |
| | Security | Disable WEP WPA-PSK WPA2-PSK WPA-EAP(Only Web can set) WPA2-EAP(Only Web can set) | * | The security of the wireless LAN function |
| | WEP Key | | | Input WEP Key. 5-26 digits can be inputed. |
| | WPA Encryption Type | TKIP AES | * | WPA-PSK coding method |
| | WPA Pre-shared Key | | | Input Pre Shared Key |
| | | Execute | | Security changing is executed. |
| Wireless reconnection | | Execute | | Wireless reconnection is executed. |

Enabling Wired Communications

*This menu is displayed when network connection is wireless.

| Item | | Value | Factory Default | Descriptions |
|-----------------------------|----------------|-------|-----------------|----------------------------------|
| Enable Wired Communications | Enter Password | ***** | aaaaaa | Enters a password to enter menu. |
| | Execute | | | Enable wired LAN connection. |

Boot Menu

2

2. Changing Printer Settings

| Item | | Value | Factory Default | Descriptions |
|----------------------|-------------------|-----------------------|-----------------|---|
| Enter Password | | ***** | aaaaaa | Enter a password to enter Boot menu. The default value is aaaaaa From 6 to 12 digits of numbers or Roman character to input. |
| HDD Setup | Enable HDD | No Yes | * | Even if a machine is inoperable at installation because an HDD has been damaged, you can make the machine operable by setting to No to deal with that no HDD is attached regardless of existence of an HDD. |
| Storage Common Setup | Check File System | Execute | | Resolves mismatch between actual memory and displayed memory available in a file system and performs administration data (FAT information) recovery. |
| | Check All Sectors | Execute | | Performs recovery of a defective HDD sector information and a file system mismatch mentioned above. |
| Menu Lockout | | On Off | * | Set On/Off of Menu Lockout function |
| Panel Lockout | | Mode1 Mode2 Off | * | Set On/Off of Menu Lockout function. |

3. Using Utility Software

This chapter explains useful software functions for using your printer.

■ Overview of Utilities

The following is a list of utilities that you can use for your printer. For details on how to use these utilities, refer to their respective sections.

Utilities common to Windows/Mac OS X

| Item | Function Scope | Details | System Requirements | Refer to |
|---|------------------|---|--|--|
| Web page | Printer settings | You can check the printer status, and change the printer settings. | <ul style="list-style-type: none"> Windows 8/ Windows Server 2012/ Windows 7/ Windows Vista/ Windows Server 2008 R2/ Windows Server 2008/ Windows XP/ Windows Server 2003 Mac OS X 10.4-10.8 | page. 86 |
| PS Gamma Adjuster Utility | Printing | You can adjust the density of pictures by adjusting the halftone density. | | page. 88 |
| Print display language setup/ Panel Language Setup | Printer settings | You can change the operator panel or menu display language. | | page. 94 page. 99 |

Windows Utilities

| Item | Function Scope | Details | System Requirements | Refer to |
|--------------------|------------------|--|---|--------------------------|
| Configuration Tool | Printer settings | Registers the network settings of the printer on the hard disk. Registering and deleting form data and managing stored jobs are also available. | Windows 8/ Windows Server 2012/ Windows 7/ Windows Vista/ Windows Server 2008 R2/ Windows Server 2008/ Windows XP/ Windows Server 2003 | page. 90 |
| PDF Print Direct | Printing | Prints out PDF files without launching the application. | Windows 8/ Windows Server 2012/ Windows 7/ Windows Vista/ Windows Server 2008 R2/ Windows Server 2008/ Windows XP/ Windows Server 2003 | page. 93 |
| OKI LPR Utility | Printing | You can print a document via the network connection, manage print jobs, and check the printer status. And, when an IP address of a printer is changed, the setting is changed automatically. | Windows 8/ Windows Server 2012/ Windows 7/ Windows Vista/ Windows Server 2008 R2/ Windows Server 2008/ Windows XP/ Windows Server 2003 | page. 95 |

| Item | Function Scope | Details | System Requirements | Refer to |
|-------------------|----------------------|---|--|--------------------------|
| Network Extension | Managing the printer | You can check the printer settings from the print driver, and can set options. This utility is automatically installed when installing a print driver through a network connection. | Windows 8/ Windows Server 2012/ Windows 7/ Windows Vista/ Windows Server 2008 R2/ Windows Server 2008/ Windows XP/ Windows Server 2003 A computer operating with TCP/IP. | page. 97 |

Mac OS X Utilities

| Item | Function Scope | Details | System Requirements | Refer to |
|--------------------|------------------|------------------------------------|----------------------|--------------------------|
| Network Card Setup | Printer settings | You can make the network settings. | Mac OS X 10.4 – 10.8 | page. 99 |

■ Installing Utilities

Installing from the Software DVD-ROM

If there is a utility that you would like to use, follow the procedure below for Windows. For Mac OS X, you can copy it by dragging and dropping to the place you want. You can also run this directly from the Software DVD-ROM.

For Windows

- 1 Insert the Software DVD-ROM into your computer.
- 2 Click [**Run Setup.exe**].
If the [**User Account Control**] dialog box appears, click [**Yes**].
- 3 Read the user license agreement and click [**Agree**].
- 4 Read the recommendation on the environment and click [**Next**].
- 5 Select the printer and click [**Next**].
- 6 Select an interface and click [**Next**].
- 7 Click [**Custom Install**].
- 8 Select the utility you would like to install and click the [**Install**].
- 9 Click [**Finish**].

For Mac OS X

- 1 Insert the Software DVD-ROM into the computer.
- 2 Double click on the [**OKI**]>[**Utilities**] folder.
- 3 Copy the folder you want to install by dragging and dropping to the folder you want.



- To launch, double click on the utility icon within the folder.

■ Utilities common to Windows/Mac OS X

This section explains web pages that can be used by both Windows and Mac OS X.

Web page

When using web pages, the following conditions must be met.

- TCP/IP must be enabled.
- One of the following must be installed: Microsoft Internet Explorer 6.0 or later, Safari 3.0 or later, or Firefox 3.0 or later.

Memo

- Either set your web page security settings to a medium level, or enable cookies.
- In order to access the [Admin Setup] menu, the administrator password is required. The default password is "aaaaaa".

You can carry out the following operations from the web page.

- Display the printer status.
- Configure tray, network, function default, and printer settings.
- Display the job list.
- Print out a PDF without a printer driver.
- Link to frequently used web pages.

Memo

- In order to change the printer settings on the web page, you need to be logged in as the administrator.

Reference

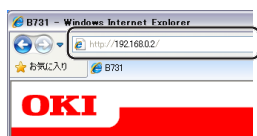
- For details on how to configure the network settings, refer to "Changing Network Settings From the Web Page" P.119.

Accessing the Printer Web page

- 1 Launch your web browser.
- 2 Type in "http:// (printer's IP address)" in the address bar and press the <ENTER> button.

Reference

- For the printer's IP address, please refer to the User's Manual (Setup).



Logging In as the Administrator

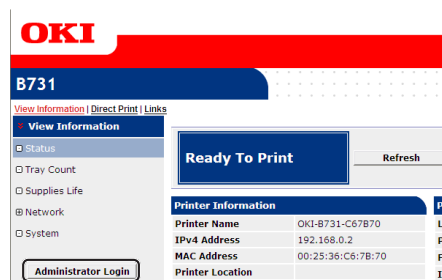
Note

- You must be authorized as the administrator.

Memo

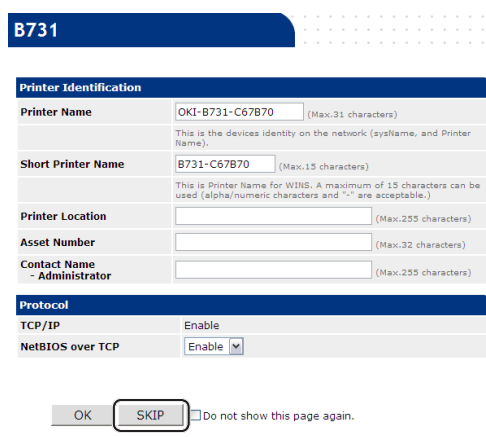
- The default administrator password of the printer is "aaaaaa".

- 1 Click on [Administrator Login] on the main page.



- 2 Enter "root" in [Username] and enter the administrator password in [Password], and then click [OK].
For Mac OS X, type in "root" for [Name] and enter the printer administrator's password in [Password], and then click [Login].

- 3 Click [SKIP].
If you have made changes to the settings on this screen, click [OK].



The menus available only for the administrator will be displayed.

Changing the Administrator's password

You can change the printer administrator's password from the web page.

The administrator's password set on the web page can be used when logging into the printer through the operator panel or through the web page.

Memo

- The password should be 6-12 characters long, and should be in one-byte (alphanumeric) characters.
- The password is case sensitive.

- 1 Launch your web browser and log in as the administrator.
- 2 Select [**Admin Setup**].
- 3 Select [**Management**] > [**Change Password**].
- 4 Enter a new password in [**New Password**].
- 5 Reenter the password in [**Verify Password**].
The entered password will not be displayed. Write down your password and store it in a safe place.
- 6 Click on [**Submit**].
The network system reboots to enable the new settings.

Memo

- You do not need to restart the printer. Next time when you log in as the administrator, use the new password.

Checking Printer Status

You can check the status of your printer from the web page.

- 1 Launch your web browser and enter the printer's IP address.
The status of the printer is displayed.

Memo

- When logging in as the administrator, you can also click on [**Status Window**] in order to view the simplified display of the printer status.

Changing Printer Settings

You can change the main unit's settings from the web page.

- 1 Launch your web browser and log in as the administrator.
- 2 Change the settings and click [**Submit**].

Getting the Date and Time Automatically

You can get date and time information automatically from an internet time server, and reflect this on your printer.

- 1 Launch your web browser and log in as the administrator.
- 2 Select [**Admin Setup**].
- 3 Select [**Management**] > [**Time Setup**].
- 4 Select [**Auto**] for [**Time Setup**].
- 5 Enter the NTP server in [**NTP Server (Primary)**].
- 6 If required, enter another NTP server in [**NTP Server (Secondary)**].
- 7 Specify your [**Time zone**].
- 8 Set the [**daylight saving**] as required.
- 9 Click on [**Submit**].
The network system reboots to enable the new settings.

Adjusting Color with PS Gamma Adjuster Utility

This section explains the PS Gamma Adjuster Utility. You can adjust the half-tone density printed by the printer. Use this function if the color in a photograph or graphic is too dark.

! Note

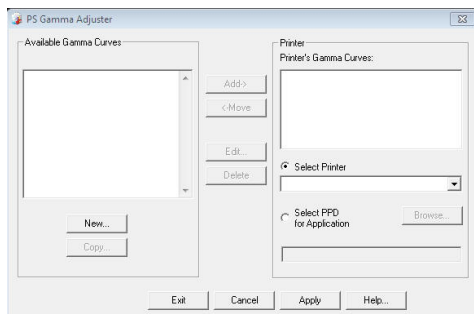
- The Windows PCL/XPS printer driver cannot be used.
- Printing speed may be slow if this function is used. If you want to prioritize the speed, select **[Not Specified]** from **[Custom Gamma Adjustment]**.
- Some applications can specify the half-tone settings. If you use these functions, select **[Not Specified]** from **[Custom Gamma Adjustment]**.
- If you are using an application before registering the half-tone adjustment name, restart the application before printing.
- The registered half-tone adjustment name is effective for all printers of the same type if multiple printers are saved in the **[Printers and Faxes]** folder.

Reference

- For details on how to install the PS Gamma Adjuster Utility, refer to ["Installing Utilities" P.85](#).

Registering Half-tone

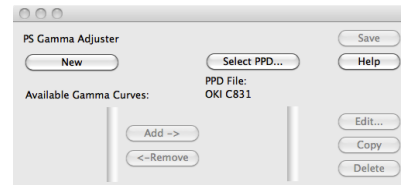
■ For Windows PS Drivers



- 1 Click **[Start]** and select **[All Programs]> [Okidata]> [PS Gamma Adjuster]> [PS Gamma Adjuster]**.
- 2 Select the printer from **[Select Printer]**.
- 3 Click on **[New]**.
- 4 Adjust the half-tone.
You can select a method to adjust the half-tone from operating the graph line, entering the gamma value, or entering the density value into the text box.
- 5 Enter setting name in **[Gamma Curve Name]** and then click **[OK]**.
- 6 Click on **[Add]**.

- 7 Click on **[Apply]**.
A dialog box appears.
- 8 Click on **[OK]**.
- 9 Click on **[Exit]** to quit the PS Gamma Adjuster Utility.

■ For Mac OS X PS Printer Driver



- 1 Launch the PS Gamma Adjuster Utility.
- 2 Click on **[New]**.
- 3 Adjust the half-tone.
You can select a method to adjust the half-tone from operating the graph line, entering the gamma value, or entering the density value into the text box.
- 4 Enter a setting name in **[Gamma Curve Name]** and then click **[Save]**.
- 5 Click on **[Select PPD]**.
- 6 Select the PPD file to register the half-tone adjustment and click **[Open]**.
- 7 Select the half-tone adjustment and click **[Add]**.
- 8 Click on **[Save]**.
- 9 Enter the administrator's name and password and click **[OK]**.
- 10 Exit the PS Gamma Adjuster.
- 11 Select **[Print & Fax]** from **[System Preferences]** to delete and reregister all printers for which adjustments were made.

Printing a File with the Adjusted Gamma Curve

■ For Windows PS Drivers

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

- 3 Click on [**Preferences**].
- 4 Select the [**Color**] tab, [**Custom Calibration**] and select the halftone adjustment settings and then click [**OK**].

■ For Mac OS X PS Printer Driver

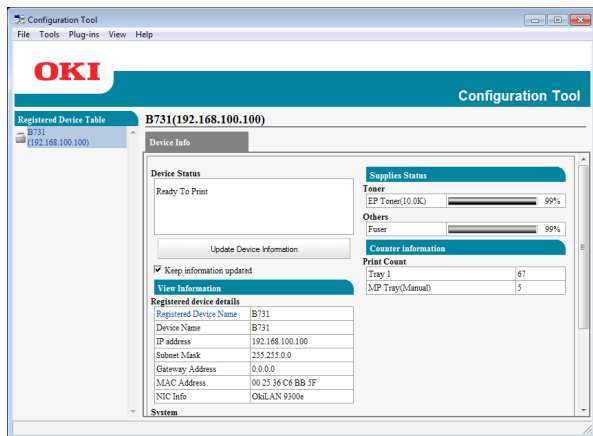
- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Select [**Printer Features**] from the panel menu.
- 4 Select the halftone adjustment setting from [**Halftone Adjustment**] on [**Job Options**].

■ Windows Utilities

This section explains utilities you can use in Windows.

Configuration Tool

In the Configuration Tool, you can manage multiple units and change settings.



The Configuration Tool functions are as follows.

- Display device information
- Registering and deleting form data
- Managing stored jobs
- Network settings

Setup

Plugins can be installed if necessary.

The following 2 types of plugin are available.

- Network Setting Plugin
- Storage Manager Plugin

Memo

- You can install additional plugins later.

Reference

- For how to install Configuration Tool, please refer to "Installing Utilities" P.85.

Registering the Printer

When using the Configuration Tool or introducing a new printer, register the printer in the Configuration Tool.

- 1 Select [**Start**], [**All Programs**] > [**Okidata**] > [**Configuration Tool**] > [**Configuration Tool**].
- 2 Select [**Register Device**] from the [**Tools**] menu.
Search results are displayed.

- 3 Select the printer and click on [**Register**].
- 4 On the confirmation screen, click on [**Yes**].

Removing a Printer

You can remove a registered printer.

- 1 Right-click on the printer from [**Registered device Table**].
- 2 Select [**Remove device**].
- 3 On the confirmation screen, click on [**Yes**].

Checking the Status of the Printer

You can check the status and information of the printer.

- 1 Select the printer from the [**Registered Device Table**].
- 2 Select the [**Device Info**] tab.

Memo

- When the printer is connected to the network, [**Device Status**] will be displayed.
- If you want to update information, click on [**Update Device Information**].

Network Setting Plugin







You can set the network with the Configuration Tool. Prior to setting, please install the Network Setting plugin.

Reference

- For how to install Configuration Tool, please refer to "Installing Utilities" P.85.

Icon

The meaning of each icon is as shown below.

| Icon | Details |
|---|--|
|  | Searches again for the printer. |
|  | Changes search conditions for the printer. |
|  | Changes IP address for the printer. |
|  | Restarts the printer. |
|  | Changes network password. |
|  | Displays the printer web page. |

Searches for the machine on the network

Searches for the printer.


- 1 Select [**Network Setting**] from the [**Plug-ins**] menu.
- 2 Select [**Discover Devices**].
Search results are displayed.

Setting the search conditions

- 1 Select [**Network Setting**] from the [**Plug-ins**] menu.
- 2 Select [**Environment Settings**].
- 3 Set the search conditions as required, and click on [**OK**].

Change the IP Address

Changes IP address for the printer.

- 1 Select the printer from the device list.
- 2 Click  icon.
- 3 Change the settings as required.
- 4 Click on [**OK**].

- 5 Enter the network password and click [**OK**].

The default password is the last 6 alphanumerical digits of the MAC address.














- 6 Click on [**OK**] to restart the printer.

Storage Manager Plugin

Using Storage Manager Plug-in makes it possible to manage jobs to be stored in devices and store forms, and fonts used for printing.

Icon

The meaning of each icon is as shown below.

| Icon | Details |
|---|---|
|  | Creates a new project. |
|  | Opens an existing project. |
|  | Saves a project. |
|  | Assigns a new name to the currently selected project and stores it to a file. |
|  | Adds a file to a project. |
|  | Deletes the selected file from the project. |
|  | Displays the Filter Macro File dialog box of a PCL form file. |
|  | Creates a download file. |
|  | Sends a download file. |
|  | Sends the currently selected project. |
|  | Sends the file. |
|  | Displays a Job Management window. |
|  | Displays an Administrator Functions window. |

Registering Forms (Form Overlay)

You can create and register overlays such as logos or forms for printing. This explains how to register forms.

Reference

- For how to print overlays, please refer to “[Overlay Printing](#)” P.38.



Memo

- When using a Windows PS printer driver, administrator privileges are required.
- The Windows XPS printer driver cannot be used.

■ Create a Form

- 1 Click on [**Start**] and then select [**Devices and Printers**].
- 2 Right click on the *Your Printer* icon, and select the type of driver you need from [**Printer properties**].
- 3 Select the [**Ports**] tab, check [**FILE:**] from [**Port**], and click on [**OK**].
- 4 Create a form you want to register on the printer.
- 5 Select [**Print**] from the [**File**] menu.
- 6 Click on [**Preferences**].
When using the Windows PCL printer driver, click [**Vector**] of [**Print Mode**] on the [**Job Options**] tab then [**OK**], and then go to step 9.
- 7 Select the [**Job Options**] tab, and click on [**Overlay**].
- 8 Select [**Create Form**].
- 9 Start a print job.
- 10 Enter the file name you would like to save as.
- 11 Retrieve the original setting for [**Port**] on the [**Ports**] tab.

■ Registering a Form on the Printer Using the Configuration Tool

- 1 Click  icon.
- 2 Click  icon, and select the created form.
The form is added to the project.
- 3 Click on the form file.


- 4 Enter the [**ID**], and click [**OK**].

! Note

- Do not change [**Target Volume**] and [**Path**].

Memo

- When using the Windows PS printer driver, enter [**Component**].

- 5 Select the device in the device selection area at the bottom of the Storage Manager Plug-in window.
- 6 Click  icon.
- 7 Click on [**OK**].

Check the Free Space in Hard Disk or Flash Memory

You can check the free space in hard disk and flash memory.

- 1 Clicking a device name in the device selection area at the bottom of the Storage Manager Plug-in window opens a device resource window of the selected device.
- 2 The dialog box shows storage, partitions, directories and files by communicating with the device.

Delete Unwanted Jobs From a Memory or Hard Disk


You can delete print jobs in a [**COMMON**] partition of a flash memory or hard disk.


Memo

- Even after a confirmatory printing or saving of print data, as the job remains in the [**COMMON**] partition, if it is not deleted the capacity of the memory or hard disk will decrease.

! Note

- Encrypted authorized prints cannot be deleted on the Storage Manager Plug-in.

- 1 Clicking  icon.
- 2 To view a specific user's print jobs, enter the password and click on [**Apply job password**].
To view all print jobs, enter the administrator password and click on [**Apply administrator password**].
The default administrator password is "aaaaaa".

- 3 Select the job you want to delete and click  icon.
- 4 Click on [**OK**].

PDF Print Direct

You can send a PDF file to the printer and print it directly. With PDF Print Direct, the procedure for opening PDF files with applications such as Adobe Reader has been omitted.

Reference

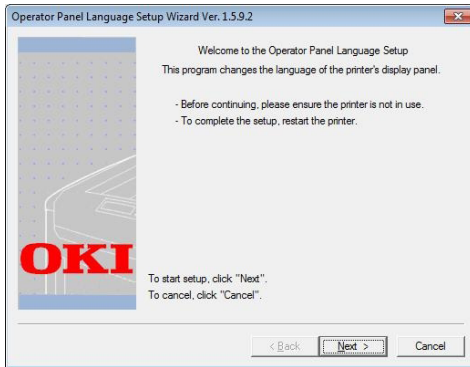
- For how to install PDF Print Direct, please refer to "[Installing Utilities](#)" P.85.

Printing a PDF file

- 1 Check that the [**Your Printer(*)**] icon is in the [**Devices and Printers**] folder.
- 2 Right-click on the PDF you would like to print, and select [**PDF Print Direct**].
A window is displayed.
- 3 Select the printer driver from [**Select Printer**].
When setting the user verification function on the selected printer driver, select [**User Auth**] from the [**Setting Printer**] menu.
- 4 If you want to print an encrypted file, put a check in [**Set Password**] and enter the password.
In order to use the same password after this, click on [**Save Password**].
- 5 Change the setting if necessary, and click on [**Print**].

Operator Panel Language Setup



You can change the operator panel display language.




! Note

- This program uses the print driver. Please install the printer driver on the computer beforehand.

Starting Up

- 1 Turn on the printer.
- 2 Turn on the computer, and insert the Software DVD-ROM.
- 3 Click [**Run Setup.exe**].
If the [**User Account Control**] dialog box appears, click [**Yes**].
- 4 Read the user license agreement and click [**Agree**].
- 5 Read the recommendation on the environment and click [**Next**].
- 6 Select the printer and click [**Next**].
- 7 Select an interface and click [**Next**].
- 8 Click [**Panel Language Setup**].
- 9 Click on [**Next**].

 - The version number of this tool is displayed after the title [**Operator Panel Language Setup Wizard**].
- 10 Select the printer and click [**Next**].

 - Printers that support this tool are displayed on the [**Available Printers**] list.
- 11 Select the language and click on [**Next**].

- 12 Click on [**Print Test Page**] and click on [**Next**].
- 13 Check whether the menu language format value printed in step 12 is in the value range displayed on the screen and then click on [**Next**].
- 14 Check the content to be set and, click on [**Setup**].

 - Version number of the language file for this tool is displayed in [**Language version**] on the [**Operator Panel Language Setup Wizard**] screen.
- 15 Click [**Finish**].
- 16 Check that the language you want is displayed on the screen of the printer then restart the printer.

When setup is complete, a message shown below is displayed.

"Power Off/On

Message Data Received OK"

! Note

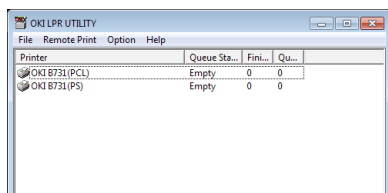
- If the language selection screen is not displayed in step 11, carry out the following procedure.
 - a Click [**Cancel**] to exit the program.
 - b Check that the printer is turned on and the "Software DVD-ROM" is installed in the printer.
 - c Click on [**Start**] and select [**Search programs and files**].
 - d Enter "D:/Utilities/PanelDwn/opnlngs.exe" and press the <**ENTER**> button.
(This example uses the DVD-ROM drive (D:))
 - e Go to step 9.

OKI LPR Utility

You can use the OKI LPR utility to perform a print job via network, manage print jobs, and check the printer status.

Reference

- For how to install OKI LPR utility, please refer to "Installing Utilities" P.85.



In order to use OKI LPR Utility, TCP/IP must be activated.

Note

- The OKI LPR utility cannot be used for shared printers. Please use the standard TCP/IP port.

Launching the Utility

- Click on [**Start**], and select [**All Programs**] > [**Okidata**] > [**OKI LPR Utility**] > [**OKI LPR Utility**].

Adding a Printer

You can add a printer to the OKI LPR utility.

Note

- Administrator privileges are required.
- If you cannot add a printer in Windows 8/Windows Server 2012/Windows 7/Windows Vista/Windows Server 2008, shut down the OKI LPR utility, right-click on [**Start**] > [**All Programs**] > [**Okidata**] > [**OKI LPR Utility**] > [**OKI LPR Utility**], and then select [**Run as administrator**] to launch.

Memo

- You cannot add the printer already registered in the OKI LPR utility. If you want to change the port, select [**Confirm Connections**] in [**Remote Print**] menu.

- Launch the OKI LPR utility.
- Select [**Add Printer**] from the [**Remote Print**] menu.
- Select [**Printer Name**] and enter the IP address.
Network printers and printers connected to the LPR port are not displayed.
- When selecting a network printer, select [**Discover**].
- Click on [**OK**].

Downloading Files

You can download a file to the printer you have added to the OKI LPR utility.

- Launch the OKI LPR utility.
- Select the download destination printer.
- Select [**Download**] from the [**Remote Print**] menu.
- Select a file and click on [**Open**].

Displaying the Printer Status

- Launch the OKI LPR utility.
- Select a printer.
- Select [**Printer Status**] from [**Remote Print**].

Checking/Deleting/Forwarding Jobs

You can confirm and delete print jobs. Also, if you cannot print because the selected printer is busy, offline or out of paper, you can forward the print jobs to another OKI printer.

Note

- Print jobs can only be forwarded to the same OKI printer as the one you are using.
- Before forwarding a job, you need to add another same OKI printer.

- Launch the OKI LPR utility.
- Select [**Job Status**] from the [**Remote Print**] menu.
- If you want to delete a print job, select the job and then select [**Delete Job**] from the [**Job**] menu.
- If you want to forward a print job, select the job and then select [**Redirect**] from the [**Job**] menu.

Forwarding Jobs Automatically

If you cannot print because the selected printer is busy, offline or out of paper, you can configure the settings to forward the print jobs to another OKI printer automatically.

! Note

- Print jobs can only be forwarded to the same OKI model printer as the one you are using.
- Before forwarding a job, you need to add another same OKI printer.
- Administrator privileges are required.

- 1 Launch the OKI LPR utility.
- 2 Select the printer you would like to set.
- 3 Select [**Confirm Connections**] from [**Remote Print**] menu.
- 4 Click on [**Advanced**].
- 5 Select the [**Automatic Job Redirect Used**] checkbox.
- 6 To forward jobs only when errors occur, select the [**Redirect only at the time of an error**] checkbox.
- 7 Click on [**Add**].
- 8 Enter the IP address of the printer to forward to, and click on [**OK**].
- 9 Click on [**OK**].

Printing with Multiple Printers

You can print with multiple printers with a single command.

! Note

- This function sends remote print jobs to multiple printers and prints simultaneously.
- Administrator privileges are required.

- 1 Launch the OKI LPR utility.
- 2 Select the printer you would like to configure.
- 3 Select printer [**Confirm Connections**] from [**Remote Print**] menu.
- 4 Click on [**Details**].
- 5 Select the [**Print to more than one printer at a time**] checkbox.

- 6 Click on [**Options**].
- 7 Click on [**Add**].
- 8 Enter the IP address of the printer for simultaneously printing and click on [**OK**].
- 9 Click on [**OK**].

Opening a Webpage

You can open the printer web page from the OKI LPR utility.

- 1 Launch the OKI LPR utility.
- 2 Select a printer.
- 3 Select [**Web Setting**] from the [**Remote Print**] menu.

Memo

- You cannot open the web page when the web port number has been changed. Carry out the following procedure, and reconfigure the OKI LPR utility port number.

- a Select a printer.
- b Select [**Confirm Connections**] from [**Remote Print**].
- c Click on [**Advanced**].
- d Enter the port number into [**Port Numbers**].
- e Click on [**OK**].

Adding Comments to Printers

You can add comments to the printers added into the OKI LPR utility in order to identify them.

- 1 Launch the OKI LPR utility.
- 2 Select a printer.
- 3 Select [**Confirm Connections**] from [**Remote Print**].
- 4 Enter a comment and click on [**OK**].
- 5 Select [**Show comments**] from the [**Option**] menu.

Automatically Configuring the IP Address

You can set it to ensure that the connection with the original printer is maintained even if the printer's IP address is changed.



- The IP address may change if DHCP is being used to dynamically assign IP addresses or the network administrator manually changes the printer's IP address.



- Administrator privileges are required.

- 1 Launch the OKI LPR utility.
- 2 Select [**Setup**] from the [**Option**] menu.
- 3 Select the [**Auto Reconnect**] checkbox and click on [**OK**].

Uninstalling the OKI LPR Utility



- Administrator privileges are required.

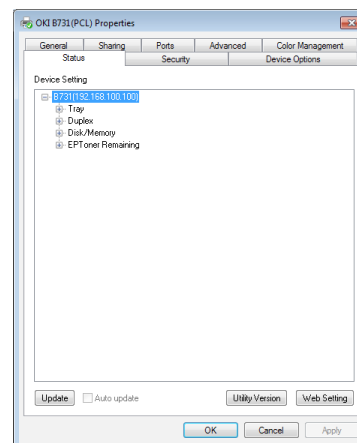
- 1 Confirm that the OKI LPR utility is closed.
- 2 Click on [**Start**], and then select [**All Programs**] > [**Okidata**] > [**OKI LPR Utility**] > [**Uninstall OKI LPR Utility**].

If the [**User Account Control**] dialog box appears, click [**Yes**].

- 3 On the confirmation screen, click on [**Yes**].

Network Extension

In Network Extension, you can check the settings on the printer and set the composition of the options.



In order to use Network Extension, TCP/IP must be activated.



- Administrator privileges are required.



- Network Extension is automatically installed when installing a printer driver through a TCP/IP network.
- Network Extension is operated in conjunction with the printer driver. You cannot opt to only have Network Extension installed.
- Network Extension only functions when the printer driver is connected to OKI LPR port or the standard TCP/IP port.

Launching the Utility

To use Network Extension, open the printer properties screen.

- 1 Click on [**Start**] and then select [**Devices and Printers**].
- 2 Right click on the printer icon and select [**Printer properties**].

Checking Printer Settings

You can check the settings of the printer.



- If you use Network Extension in an environment that is not supported, the [**Option**] tab may not be displayed.

- 1 Open the printer properties screen.
- 2 Select the [**Option**] tab.
- 3 Click [**Update**].

4 Click [OK].

Reference

- Click [**Web Setting**] to automatically launch the web page. You can change printer settings on this web page screen. For details, refer to "Web page" P.86.

Setting Options Automatically

You can get the composition of options of the connected printer and automatically set the printer driver.

Memo

- You cannot configure this when using Network Extension in unsupported environments.

■ For Windows PCL/XPS Drivers

- 1 Open the printer properties screen.
- 2 Select the [**Device Options**] tab.
- 3 Click on [**Get Printer Settings**].
- 4 Click [OK].

■ For Windows PS Drivers

- 1 Open the printer properties screen.
- 2 Select the [**Device Settings**] tab.
- 3 Click on [**Get installed options automatically**] and then click on [**Setup**].
- 4 Click [OK].

Uninstalling the Utility

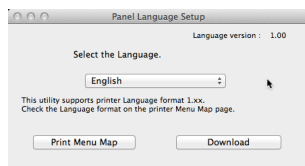
- 1 Click on [**Start**], and then select [**Control Panel**] > [**Add or Remove Programs**].
- 2 Select [**OKI Network Extension**] and click on [**Remove**].
- 3 Follow the instructions on the screen and complete the uninstallation.

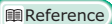
■ Mac OS X Utilities

This section explains utilities you can use in Mac OS X.

Panel Language Setup

You can change the operator panel display language.



- 1 Output a menu map for the printer.
To output settings, press the <Fn> key, enter [1], [0] and [0] from the ten-key pad and press the <ENTER> button.
- 2 Launch the Panel Language Setup utility.
 -  Reference
 - "Installing Utilities" P.85
- 3 Select a method of connection.
When selecting [TCP/IP], enter an IP Address. You can check the IP Address on the menu map output in step 1.
- 4 Click [OK].
- 5 For the menu map "Language Format" value, check that the value displayed on the screen matches the following conditions.

- Condition 1: The first digit of the version number matches.
- Condition 2: The value displayed on the screen is the same as or newer (higher) than the Language Format value.

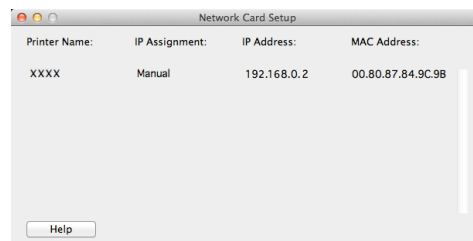
Memo

- If Condition 1 is not met, you cannot download the language setting file. If Condition 1 is not met, an error will be displayed in the operator panel when downloading. In order to restore, restart the printer. In case that Condition 1 is met but Condition 2 is not met, though the printer can be used, some setting names may be displayed in English.

- 6 Select a language.
- 7 Click on [Download].
The language setting file will be sent to the printer, and when sending is complete, a message will be displayed.
- 8 Restart the printer.

Network Card Setup

You can configure the network.




In order to use Network Card Setup, TCP/IP needs to be activated.

Note

- Configure the TCP/IP settings.

Configuring the IP Address

- 1 Launch Network Card Setup.
 -  Reference
 - "Installing Utilities" P.85
- 2 Select the printer.
- 3 Select [IP Address...] from the [Printer] menu.
- 4 Configure the settings if necessary and click [Save].
- 5 Enter the password and click on [OK].
 - The default password is the last 6 alphanumerical digits of the Mac address.
 - The password is case sensitive.
- 6 Click on [OK] to activate the new settings.
Restart the printer network card.

Configuring Web Settings

You can launch the web page, and configure the printer network settings.

■ Enabling Web Settings

- 1 Select [**Web Page Settings...**] from the [**Printer**] menu.
- 2 Select [**Enable printer web page**] and click on [**Save**].
- 3 Enter your password into [**Enter Password**] and click on [**OK**].
 - The default password is the last 6 alphanumerical digits of the MAC address.
 - The password is case sensitive.
- 4 Click [**OK**] on the confirmation window.

■ Opening a Web page

- 1 Launch Network Card Setup.
- 2 Select the printer.
- 3 Select [**View Printer Web Pages**] from the [**Printer**] menu.

The web page will start, and the printer status page will be displayed.

Quitting Network Card Setup

- 1 Select [**Quit**] from the [**File**] menu.

4. Network Settings

This chapter explains network settings for your printer.

■ Network Setting Items

This section explains the items that can be set with network functions.

You can print the network setting list and check the current network settings by pressing the the scroll button ▼ and selecting [**Print Information**] > [**Network**] > [**Execute**] on the operator panel.

Reference

- For details on how to print the network settings list, refer to "Printing Out Print Information" P.46.

You can change the network settings from your printer's web page, Configuration Tool, and Network Card Setup. For the menus available for each utility, refer to the following tables.

■ TCP/IP

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|------------------------|--|--------------------------|-------------------|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| - | - | - | ENABLE DISABLE | Set whether to use TCP/IP. |
| IP Address Set | IP Acquisition Method | IP Address | AUTO MANUAL | Set whether to obtain an IP address from a DHCP/BOOTP server. |
| IP Address | IP Address | IP Address | 192.168.100.100 | Specify an IP address. |
| Subnet Mask | Subnet Mask | Subnet Mask | 255.255.255.0 | Specify a subnet mask. |
| Gateway Address | Default Gateway | Default Gateway | 0.0.0.0 | Specify the gateway (default router) address. When the setting is "0.0.0.0", no router is specified. |
| DNS Server (Primary) | - | - | 0.0.0.0 | Specify the IP address of the primary DNS server. Set this item when SMTP (E-Mail protocol) is used. When an IP address is used to set the SMTP server name, this item does not need to be set. |
| DNS Server (Secondary) | - | - | 0.0.0.0 | Specify the IP address of the secondary DNS server. Set this item when SMTP (E-Mail protocol) is used. When an IP address is used to set the SMTP server name, this item does not need to be set. |
| Dynamic DNS | - | - | ENABLE DISABLE | Set whether to register the information to the DNS server when a setting such as IP address has been changed. |
| Domain Name | - | - | (NULL) | Set the name of the domain to which the printer belongs. |

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|-------------------------|--|--------------------------|--|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| WINS Server (Primary) | - | - | 0.0.0.0 | Specify the IP address or name of name server (a server that translates computer names into IP addresses) when an name sever is used in a Windows environment. |
| WINS Server (Secondary) | - | - | 0.0.0.0 | Specify the IP address or name of name server (a server that translates computer names into IP addresses) when an name sever is used in a Windows environment. |
| Scope ID | - | - | (NULL) | Specify the scope ID for WINS. From 1 to 223 alphanumeric characters can be used. |
| Windows | - | - | ENABLE DISABLE | Set whether to use the auto-detection function for Windows. |
| Macintosh | - | - | ENABLE DISABLE | Set whether to use the auto-detection function for Macintosh. |
| Printer Name | - | - | [OKI] + [-] + [printer name] + [-] + [last six digits of MAC address] | Specify the rule of displaying the printer name when the auto-detection function is enabled. |
| IPv6 | - | - | ENABLE DISABLE ([IPv4 Only], [IPv4+v6], and [IPv6 Only] for TELNET) | Set whether to use IPv6. |
| WSD Print | - | - | ENABLE DISABLE | Set whether to use WSD Print. |
| LLTD | - | - | ENABLE DISABLE | Set whether to use LLTD. |

■ SNMP

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|------------------|--|--------------------------|---|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Contact to Admin | - | - | (NULL) | Enter the contact information of the system administrator. Up to 255 one-byte characters can be entered. |
| Printer Name | - | - | [OKI] + [-] + [printer name] + [-] + [last six digits of MAC address] | Enter the printer name. Up to 31 one-byte characters can be entered. |
| Printer Location | - | - | (NULL) | Enter the printer location. Up to 255 one-byte characters can be entered. |

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|---------------------------------------|--|--------------------------------|-----------------------------------|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Printer Asset Number | - | - | (NULL) | Enter the number for asset management of the printer. Up to 32 one-byte characters can be entered. |
| Use SNMP Settings | - | - | SNMPv1 SNMPv3 SNMPv3+SNMPv1 | Set the version of SNMP. |
| User Name | - | - | root | Specify the user name in SNMPv3. From 1 to 32 alphanumeric characters can be used. |
| Authentication Settings Passphrase | - | - | (NULL) | Set the password to create an authentication key for SNMPv3 packet authentication. From 8 to 32 alphanumeric characters can be used. |
| - | - | - | (NULL) | Set the authentication key for SNMPv3 packet authentication in HEX code. For MD5: Sixteen octets (32 characters of HEX code), for SHA: twenty octets (40 characters of HEX code). |
| Authentication Settings Algorithm | - | - | MD5 SHA | Set the algorithm for SNMPv3 packet authentication. |
| Encryption Settings Passphrase | - | - | (NULL) | Set the password to create a privacy key for SNMPv3 packet encryption. From 8 to 32 alphanumeric characters can be used. |
| - | - | - | (NULL) | Set the password for SNMPv3 packet encryption in HEX code. For MD5: Sixteen octets (32 characters of HEX code). |
| Encryption Settings Algorithm | - | - | DES | Set the algorithm for SNMPv3 packet encryption. This setting is fixed to [DES]. |
| SNMP Read Community | - | - | public | Set the Read Community for SNMPv1. Up to 15 alphanumeric characters can be used. |
| SNMP Write Community | - | - | public | Set the Write Community for SNMPv1. Up to 15 alphanumeric characters can be used. |

■ NBT

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|--------------------|--|--------------------------|---|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| NetBIOS over TCP | - | - | ENABLE DISABLE | Set whether to use NetBIOS over TCP. |
| Short Printer Name | - | - | [printer name] + [last six digits of Ethernet address (alphanumeric)] | Specify a computer name, using up to 15 alphanumeric characters. The specified name is identified in NetBIOS over TCP/NetBEUI. The specified name is displayed in the Windows network computers. |
| Work group Name | - | - | PrintServer | Specify a work group name, using up to 15 alphanumeric characters. The specified name is displayed in the Windows network computers. |
| Comment | - | - | Ethernet Board OkiLAN 9300g | Specify a comment, using up to 48 alphanumeric characters. The specified comment is displayed when detailed display format is selected in Windows network computers. |
| Master Browser | - | - | ENABLE DISABLE | Set whether to use a master browser function. |

■ Printer Trap

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|---------------------------------|--|--------------------------|-------------------|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Printer Trap Community Name Set | - | - | public | Specify a printer trap community name, using up to 31 alphanumeric characters. |
| Trap Enable 1-5 | - | - | ENABLE DISABLE | Set whether to use a printer trap in TCP #1-5. |
| Printer Reboot 1-5 | - | - | ENABLE DISABLE | Set whether to send an SNMP message when a printer is restarted. |
| Receive Illegal Trap 1-5 | - | - | ENABLE DISABLE | Set whether to use a trap when accessing a printer with a community name other than that specified in [Printer Trap Community Name Set]. |
| Online 1-5 | - | - | ENABLE DISABLE | Set whether to send an SNMP message every time a printer changes to online. |

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|-------------------|---|-----------------------------|-------------------|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Offline 1-5 | - | - | ENABLE DISABLE | Set whether to send an SNMP message every time a printer changes to offline. |
| Paper Out 1-5 | - | - | ENABLE DISABLE | Set whether to send an SNMP message when paper runs out. |
| Paper Jam 1-5 | - | - | ENABLE DISABLE | Set whether to send an SNMP message when a paper jam has occurred. |
| Cover Open 1-5 | - | - | ENABLE DISABLE | Set whether to send an SNMP message every time a printer cover is opened. |
| Printer Error 1-5 | - | - | ENABLE DISABLE | Set whether to send an SNMP message when a printer error has occurred. |
| Address 1-5 | - | - | 0.0.0.0 | Specify a trap destination address for TCP/IP. Enter the value in a decimal number format "000.000.000.000". If an IP address is 0.0.0.0, a trap will not be sent. Up to 5 trap destination addresses can be specified. |

■ E-mail

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|-----------------------|---|-----------------------------|-------------------|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| SMTP Sending | - | - | ENABLE DISABLE | Set whether to use an SMTP (E-mail) sending protocol. |
| SMTP Server Name | - | - | (NULL) | Specify an SMTP server name. Specify a domain name or IP address. When specifying a domain name, DNS (Pri) (sec) settings are necessary. |
| SMTP Port Number | - | - | 25 | Specify an SMTP port number. Normally, set to a default setting. |
| Printer Email Address | - | - | (NULL) | Specify a printer E-mail address. |
| Return Email Address | - | - | (NULL) | Specify a return E-mail address. Normally, specify a network administrator's email address. |
| Email Address 1-5 | - | - | (NULL) | Specify a recipient address. Up to 5 addresses can be specified. |

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|---------------------------|--|--------------------------|---|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Error Notification Method | - | - | EVENT (Notification when an error occurs) PERIOD (Periodic notification) | Specify an error notification method. |
| Mail Sending Interval | - | - | 1 - 24 | Specify a notification interval. This setting is available only when selecting [PERIOD]. |
| Consumables Warning | - | - | DISABLE Immediate - 48H 45M ENABLE | Set whether to notify of warnings concerning printer consumables (Toner cartridge, Image drum unit, etc.). This setting is available only when selecting [EVENT]. |
| Consumables Warning | - | - | ENABLE DISABLE | Set whether to notify of warnings concerning printer consumables (Toner cartridge, Image drum unit, etc.). This setting is available only when selecting [PERIOD]. |
| Consumables Error | - | - | DISABLE Immediate - 48H 45M ENABLE | Set whether to notify of errors concerning printer consumables (Toner cartridge, Image drum unit, etc.). This setting is available only when selecting [EVENT]. |
| Consumables Error | - | - | ENABLE DISABLE | Set whether to notify of errors concerning printer consumables (Toner cartridge, Image drum unit, etc.). This setting is available only when selecting [PERIOD]. |
| Maintenance Unit Warning | - | - | DISABLE Immediate - 2H 0M - 48H 45M ENABLE | Set whether to notify of a warnings concerning maintenance units (fuser unit, belt unit etc.). This setting is available only when selecting [EVENT]. |
| Maintenance Unit Warning | - | - | ENABLE DISABLE | Set whether to notify of a warnings concerning maintenance units (fuser unit, belt unit etc.). This setting is available only when selecting [PERIOD]. |
| Maintenance Unit Error | - | - | DISABLE Immediate - 48H 45M ENABLE | Set whether to notify of errors concerning maintenance units (fuser unit, belt unit etc.). This setting is available only when selecting [EVENT]. |

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|------------------------|---|-----------------------------|---|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Maintenance Unit Error | - | - | ENABLE DISABLE | Set whether to notify of errors concerning maintenance units (fuser unit, belt unit etc.). This setting is available only when selecting [PERIOD]. |
| Paper Supply Warning | - | - | DISABLE Immediate - 0H 15M - 48H 45M ENABLE | Set whether to notify of warnings concerning paper. This setting is available only when selecting [EVENT]. |
| Paper Supply Warning | - | - | ENABLE DISABLE | Set whether to notify of warnings concerning paper. This setting is available only when selecting [PERIOD]. |
| Paper Supply Error | - | - | DISABLE Immediate - 48H 45M ENABLE | Set whether to notify of errors concerning paper. This setting is available only when selecting [EVENT]. |
| Paper Supply Error | - | - | ENABLE DISABLE | Set whether to notify of errors concerning paper. This setting is available only when selecting [PERIOD]. |
| Printing Paper Warning | - | - | DISABLE Immediate - 48H 45M ENABLE | Set whether to notify of warnings concerning paper feed. This setting is available only when selecting [EVENT]. |
| Printing Paper Warning | - | - | ENABLE DISABLE - | Set whether to notify of warnings concerning paper feed. This setting is available only when selecting [PERIOD]. |
| Printing Paper Error | - | - | DISABLE Immediate - 2H 0M - 48H 45M ENABLE | Set whether to notify of errors concerning paper feed. This setting is available only when selecting [EVENT]. |
| Printing Paper Error | - | - | ENABLE DISABLE | Set whether to notify of errors concerning paper feed. This setting is available only when selecting [PERIOD]. |

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|----------------------|--|--------------------------|--|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Storage Device | - | - | DISABLE Immediate - 48H 45M ENABLE | Set whether to notify of errors concerning storage devices. This setting is available only when selecting [EVENT]. |
| Storage Device | - | - | ENABLE DISABLE | Set whether to notify of errors concerning storage devices. This setting is available only when selecting [PERIOD]. |
| Print Result Warning | - | - | DISABLE Immediate - 48H 45M ENABLE | Set whether to notify of warnings concerning troubles affecting print results. This setting is available only when selecting [EVENT]. |
| Print Result Warning | - | - | ENABLE DISABLE | Set whether to notify of errors concerning troubles affecting print results. This setting is available only when selecting [PERIOD]. |
| Print Result Error | - | - | DISABLE Immediate - 2H 0M - 48H 45M ENABLE | Set whether to notify of errors concerning troubles affecting print results. This setting is available only when selecting [EVENT]. |
| Print Result Error | - | - | ENABLE DISABLE | Set whether to notify an error relating a trouble affecting a print result. This setting is available only when selecting [PERIOD]. |
| Interface Warning | - | - | DISABLE Immediate - 48H 45M ENABLE | Set whether to notify of warnings concerning interfaces (network, etc.). This setting is available only when selecting [EVENT]. |
| Interface Warning | - | - | ENABLE DISABLE | Set whether to notify of warnings concerning interfaces (network, etc.). This setting is available only when selecting [PERIOD]. |

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|--|---|-----------------------------|--|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Interface Error | - | - | DISABLE Immediate - 2H 0M - 48H 45M ENABLE | Set whether to notify of errors concerning interfaces (network, etc.). This setting is available only when selecting [EVENT]. |
| Interface Error | - | - | ENABLE DISABLE | Set whether to notify of errors concerning interfaces (network, etc.). This setting is available only when selecting [PERIOD]. |
| Security | - | - | DISABLE Immediate - 2H 0M - 48H 45M ENABLE | Set whether to notify of warnings occurring in the security functions. This setting is available only when selecting [EVENT]. |
| Security | - | - | ENABLE DISABLE | Set whether to notify of warnings occurring in the security functions. This setting is available only when selecting [PERIOD]. |
| Others | - | - | DISABLE Immediate - 2H 0M - 48H 45M ENABLE | Set whether to notify of other critical errors. This setting is available only when selecting [EVENT]. |
| Others | - | - | ENABLE DISABLE | Set whether to notify of other critical errors. This setting is available only when selecting [PERIOD]. |
| Attached Information Printer Model | - | - | ENABLE DISABLE | Set whether to include the printer name in printer information described in outgoing E-mail. |
| Attached Information Network Interface | - | - | ENABLE DISABLE | Set whether to include the network interface name in printer information described in outgoing E-mail. |
| Attached Information Printer Serial Number | - | - | ENABLE DISABLE | Set whether to include the printer serial number in printer information described in outgoing E-mail. |
| Attached Information Printer Asset Number | - | - | ENABLE DISABLE | Set whether to include the printer asset number in printer information described in outgoing E-mail. |

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|---|--|--------------------------|-------------------|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Attached Information Printer Name | - | - | ENABLE DISABLE | Set whether to include the system name in printer information described in outgoing E-mail. |
| Attached Information Printer Location | - | - | ENABLE DISABLE | Set whether to include the system location in printer information described in outgoing E-mail. |
| Attached Information IP Address | - | - | ENABLE DISABLE | Set whether to include the IP address in printer information described in outgoing E-mail. |
| Attached Information MAC Address | - | - | ENABLE DISABLE | Set whether to include the MAC address in printer information described in outgoing E-mail. |
| Attached Information Short Printer Number | - | - | ENABLE DISABLE | Set whether to include the short printer name in printer information described in outgoing E-mail. |
| Attached Information Printer URL | - | - | ENABLE DISABLE | Set whether to include the printer URL in printer information described in outgoing E-mail. |
| Comment | - | - | (NULL) | Specify a comment that is added to the end of the sentence in an outgoing E-mail. 4 lines can be specified. Up to 63 characters per line can be entered. If characters exceeds the limit per line, a new line is inserted automatically. |
| SMTP Authentication Setting | - | - | ENABLE DISABLE | Set whether to enable SMTP authentication. |
| User ID | - | - | (NULL) | Specify a user ID for SMTP authentication. |
| Password | - | - | (NULL) | Specify a password for SMTP authentication. |

■ Maintenance

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|-------------------|--|--------------------------|-----------------|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| LAN Scale Setting | - | - | NORMAL SMALL | [NORMAL]: Normally, use this setting. Even if connecting to a hub with a spanning tree function, the printer works efficiently. If connecting to a small LAN only for few computers, it will take a long time to start up the printer. [SMALL]: This setting supports from a small LAN for few computers to a large LAN. If connecting to a hub with a spanning tree function, the printer may not work efficiently. |

■ General Network Settings

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|------------------|--|--------------------------|--|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Gigabit network | - | - | ENABLE DISABLE | Specify the support for a gigabit network. When enabled, high-speed connection with 1000Base-T Full/Half is supported, but the printer does not enter the sleep mode if operated in such an environment. |
| HUB Link Setting | - | - | AUTO NEGOTIATION 100BASE-TX FULL 100BASE-TX HALF 10BASE-T FULL 10BASE-T HALF | Specify the communication speed and communication method between the printer and a hub. Normally, set to [AUTO NEGOTIATION]. |
| TCP ACK | - | - | Type1 Type2 | Select the type of TCP Acknowledgement. When [Type1] is selected, the printer returns the response for each packet. When [Type2] is selected, the printer returns the response for multiple packets at a time. Selecting [Type2] may improve the printing time in case the printing time has become longer due to the setting of the hub. Normally, select [Type1]. |

■ Security

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|---------------------|--|--------------------------|----------------------------------|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| FTP | - | - | ENABLE DISABLE | Set whether to access the printer using FTP. |
| Telnet | - | - | ENABLE DISABLE | Set whether to access the printer using the telnet protocol. |
| Web (Port No.: 80) | Device Settings(Web) | Web Page Settings | ENABLE DISABLE | Set whether to access the printer through a web browser. |
| Web | - | - | 1 - 80 - 65535 | Specify a port number to access the web page for the printer. |
| IPP (Port No.: 631) | - | - | ENABLE DISABLE | Set whether to use the IPP protocol. |
| SNMP | - | - | ENABLE DISABLE | Set whether to access the printer using the SNMP protocol. Normally, set to [ENABLE]. |
| SMTP | - | - | ENABLE DISABLE | Set whether to use SMTP sending. |
| SMTP | - | - | 1 - 25 - 65535 | Specify a port number for the SMTP protocol. |
| SNTP | - | - | ENABLE DISABLE | Set whether to use the SNTP protocol. |
| Local Ports | - | - | ENABLE DISABLE | Set whether to use a unique protocol. |
| NetBIOS over TCP | - | - | ENABLE DISABLE | Set whether to use the NetBIOS over TCP protocol. |
| Network Password | Change Password | Change Password | (last six digits of MAC address) | Change the network administrator's password, using up to 15 alphanumeric characters. The password is case sensitive. If you forget the password you specified, the password cannot be changed. |

■ IP Filtering

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|--|--|--------------------------|-------------------|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| IP Filtering | - | - | ENABLE DISABLE | Set whether to use IP filtering, the function to restrict access by IP address. This function requires thorough knowledge of IP addresses. Normally, select [DISABLE]. Set the items below properly when selecting [ENABLE]; otherwise, no access using TCP/IP is allowed. |
| Start Address 1-10 | - | - | 0.0.0.0 | Specify the IP addresses that are allowed to access the printer. You can specify an individual address or an address range. Specify the start address and end address when setting the address range. Entering "0.0.0.0" disables the setting. |
| End Address 1-10 | - | - | 0.0.0.0 | |
| Printing 1-10 | - | - | ENABLE DISABLE | Set whether to allow to changes to the configuration from the IP addresses specified in IP Address Range #1-10. |
| Configuration 1-10 | - | - | ENABLE DISABLE | Set whether to allow to change configuration from the IP addresses specified in IP Address Range #1-10. |
| Administrator's IP Address to Register | - | - | 0.0.0.0 | Set the IP address of the administrator. Only this address can always access the printer. Remember that when the administrator accesses the printer via a proxy server, this item is set to the address of the proxy server and all access via the proxy server is allowed. It is recommended that the administrator accesses the printer without using a proxy server. |

■ MAC Address Filtering

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|---|--|--------------------------|-------------------|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| MAC Address Filtering | - | - | ENABLE DISABLE | Set whether to use MAC address filtering, the function to allow access only from MAC addresses specified. This function requires thorough knowledge of MAC addresses. Normally, select [DISABLE]. Set the items below properly when selecting [ENABLE]; otherwise, no access is allowed from the network. |
| MAC Address Access | - | - | ACCEPT DENY | Set whether to allow or deny access from the MAC addresses specified in MAC Address #1-50. |
| MAC Address #1-50 | - | - | 00:00:00:00:00:00 | Specify the MAC addresses that are allowed to access the printer. Entering "00:00:00:00:00:00" disables the setting. |
| Administrator's MAC Address to Register | - | - | 00:00:00:00:00:00 | Set the MAC address of the administrator. Only this address can always access the printer. Remember that when the administrator accesses the printer via a proxy server, this item is set to the address of the proxy server and all access via the proxy server is allowed. It is recommended that the administrator accesses the printer without using a proxy server. |

■ SSL/TLS

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|------------------------|--|--------------------------|---|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| SSL/TLS | - | - | ENABLE DISABLE | Set whether to use SSL/TLS. |
| Cipher Strength | - | - | Weak Standard Strong | Set the cypher strength. |
| Certificate Generation | - | - | Use a Self-signed certificate (Self-signed certificate) Use a certificate signed by a certificate authority (Certificate-authority-signed certificate) | Generate a self-signed certificate. Or, generate a CSR to send to a certificate authority and install a certificate issued by a certificate authority. |

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|-------------------|--|--------------------------|---------------------------------|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Common Name | - | - | (IP address of printer) | This item is fixed to the IP address of the printer when generating a self-signed certificate. |
| Organization | - | - | (NULL) | Organization name: Specify the official name of your organization. Up to 64 characters can be entered. |
| Organization Unit | - | - | (NULL) | Organization unit: Specify a subgroup such as department or division within the organization. Up to 64 characters can be entered. |
| Locality | - | - | (NULL) | Name of city: Specify the name of the city or place where your organization is located. Up to 128 characters can be entered. |
| State/Province | - | - | (NULL) | State/Province: Specify the name of the state or province where your organization is located. Up to 128 characters can be entered. |
| Country/Region | - | - | (NULL) | Country code: Enter the two-letter ISO code of the country or region where your organization is located. (Example: JP (Japan), US (United States of America)). Up to 2 characters can be entered. |
| Key Type | - | - | RSA | Set the type of key for encrypted communication. |
| Key Size | - | - | 2048 bit 1024 bit 512 bit | Set the size of key for encrypted communication. |

■ SNMP

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|-------------|--|--------------------------|-------------------|---------------------------------------|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| SNTP | - | - | ENABLE DISABLE | Set whether to use the SNMP protocol. |

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|-------------------|--|--------------------------|-----------|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| NTP Server (Pri.) | - | - | (NULL) | Set the IP address of the primary NTP server from which the time information is obtained. |
| NTP Server (Sec.) | - | - | (NULL) | Set the IP address of the secondary NTP server from which the time information is obtained. |
| Time Zone | - | - | 00:00 | Set the time difference from GMT. |
| Daylight Saving | - | - | ON OFF | Set whether to use daylight saving time. |

■ Job List

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|---------------------------|--|--------------------------|--|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Job queue display setting | - | - | Document Name Job Condition Job Type Computer Name User Name Number of sheets printed Transmit Time Transmit Port | Select the items displayed on the list of jobs (print data) waiting to be printed. When no selection has been made for the setting, the items set by default are displayed. |

■ Web printing

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|-------------|--|--------------------------|-----------------------------|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Paper Tray | - | - | Tray 1 MPTray Tray 2* | Select the tray used for printing. *Tray 2 will be displayed when the optional tray unit is installed. |
| Copies | - | - | 1 - 999 | Enter the number of copies to print. Up to 999 can be entered. |
| Collate | - | - | Checked Not checked | Set whether to collate the output. |

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|-----------------|--|--------------------------|-------------------------|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| Fit to page | - | - | Checked | Set whether to fit the size of PDF file to the size of the paper in the tray if the paper size of PDF file is different from the paper size of the tray. |
| | | | Not checked | |
| Duplex printing | - | - | (NULL) | Select the binding method in duplex printing. |
| | | | Long edge Short edge | |
| Page Select | - | - | Checked | Set the pages to print by specifying the start and end pages. |
| | | | Not checked | |
| PDF Password | - | - | Checked | Select this item and enter the password when printing an encrypted PDF file. |
| | | | Not checked | |

■ IEEE802.1X

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|---------------------|--|--------------------------|---------|---|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| IEEE802.1X | - | - | ENABLE | Set whether to use IEEE802.1X. |
| | | | DISABLE | |
| EAP Type | - | - | EAP-TLS | Select the EAP method. |
| | | | PEAP | |
| EAP User | - | - | (NULL) | Specify the user name used for EAP. This item is valid when EAP-TLS/PEAP is selected. Up to 64 alphanumeric characters can be entered. |
| | | | | |
| EAP Password | - | - | (NULL) | Set the password for the EAP user. This item is valid only when PEAP is selected. Up to 64 alphanumeric characters can be entered. |
| | | | | |
| Use SSL Certificate | - | - | ENABLE | Set whether to use an SSL/TLS certificate for IEEE802.1X authentication. When no SSL/TLS certificate is installed, "ENABLE" cannot be selected. This item is valid only when EAP-TLS is selected. |
| | | | DISABLE | |
| Authenticate Server | - | - | ENABLE | Set whether to authenticate a certificate sent from the RADIUS server by using a CA certificate. |
| | | | DISABLE | |

■ IPsec

Shaded text indicates the factory default setting.

| Item | | | Setting | Description |
|--|--|--------------------------|--------------------------|--|
| Web browser | Configuration Tool (Network Setting Plug-in) | Network Card Setup (Mac) | | |
| IPsec | - | - | ENABLE DISABLE | Set whether to use IPsec. |
| IP Address 1-50 | - | - | 0.0.0.0 | Specify the host address allowed to communicate by IPsec. <ul style="list-style-type: none"> Use one-byte characters separated by a dot for an IPv4 address. Use one-byte alphanumeric characters separated by a colon for an IPv6 global address. IPv6 link-local address is not supported. |
| IKE Encryption Algorithm | - | - | 3DES-CBC DES-CBC | Set the IKE encryption method. |
| IKE Hash Algorithm | - | - | SHA-1 MD5 | Set the IKE hash method. |
| Diffie-Hellman Group | - | - | Group1 Group2 | Set the Diffie-Hellman group used in Phase1 Proposal. |
| LifeTime | - | - | 600 86400 28800 | Set the lifetime of ISAKMP SA. Normally, use the factory default setting. |
| Pre-shared Key | - | - | (NULL) | Set the pre-shared key. |
| Key PFS | - | - | KEYPFS NOPFS | Set whether to use Key PFS (Perfect Forward Secrecy). |
| Diffie-Hellman Group when Key PFS Enable | - | - | Group2 Group1 None | Set the Diffie-Hellman group used for Key PFS. |
| ESP | - | - | Enable Disable | Set whether to use ESP (Encapsulating Security Payload). |
| ESP Encryption Algorithm | - | - | 3DES-CBC DES-CBC | Set the encryption algorithm for ESP. |
| ESP Authentication Algorithm | - | - | SHA-1 MD5 OFF | Set the authentication algorithm for ESP. |
| AH | - | - | Enable Disable | Set whether to use AH (Authentication Header). |
| AH Authentication Algorithm | - | - | SHA-1 MD5 | Set the encryption algorithm for AH. |
| LifeTime | - | - | 600 3600 86400 | Set the lifetime of IPsec SA. Normally, use the factory default setting. |

■ Changing Network Settings From the Web Page

This section explains how to change the network settings from the printer's web page.

To access the printer's web page, your computer must meet the following conditions.

- TCP/IP must be enabled.
- Microsoft Internet Explorer 6.0 or later, Safari 3.0 or later, or Firefox 3.0 or later is installed.

Memo

- Ensure that the security setting of the web browser is set to a medium level.
- To enter the **[Admin Setup]** menu, it is necessary to log in as the administrator. The factory default administrator password is "aaaaaa".

Reference

- Some of the following settings can be performed on other utilities. For details, refer to "Network Setting Items" P.101.

Informing the End of Consumable Life and Errors by E-mail (E-mail Alert)

You can set the printer to send an error notification e-mail when an error occurs. You can set when to be notified:

- On a periodical basis
- Only when an error occurs

Configuring Your Printer

You can configure the settings for e-mail alert using the web page.

Memo

- When you specify a domain name in **[SMTP Server]**, configure the DNS server in the **[TCP/IP]** setting.
- You need to set the mail server to allow the printer to send E-mail. For details on the mail server setting, to your network administrator.
- If you use Internet Explorer 7 or later, be sure to configure the settings below before you send a test mail. In the browser, select **[Tools] > [Internet Options]**, then click **[Custom Level]** on the **[Security]** tab. Then select **[Enable]** in **[Allow websites to prompt for information using scripted windows]**.

- 1 Access the printer's web page and log in as the administrator.
- 2 Select **[Admin Setup]**.
- 3 Select **[Network Setup] > [Email] > [Send Settings]**.
- 4 Follow the on-screen instructions to specify detailed settings.
- 5 Select **[Set detail of the SMTP Protocol]**.
- 6 If necessary, you can configure **[Security settings]**, **[Configure attached information]**, and **[Others]**.

- 7 Click **[Submit]**.

The network card reboots to enable the new settings.

Periodic Alerts

- 1 Access the printer's web page and log in as the administrator.
- 2 Select **[Admin Setup]**.
- 3 Select **[Network Setup] > [Email] > [Alert Settings]**.
- 4 Enter an e-mail address to receive the alerts.
- 5 Click **[Setting]** for the specified address. **[Copy]** is useful when you want to apply the alert conditions to another address.
- 6 Follow the on-screen instructions to specify detailed settings.
- 7 Click **[OK]**.
- 8 Click **[View a Summary of Current Configuration]** to check the current settings, and then click **[X]** to close the window.
You can also check the current settings of up to two addresses on the main window. Select the desired addresses to check from the list box.
- 9 Click **[Submit]**.
The network card reboots to enable the new settings.

Memo

- Alert e-mail will not be sent if errors to notify about have not occurred.

Alert When Error Occurs

- 1 Perform steps 1 to 6 in "Periodic Alerts" P.119.
When an error or warning requiring notification is selected, a window will display to specify the time between error occurrence and sending the alert.
- 2 Specify the time before sending error alerts and then click **[OK]**.
If you specify a longer time, you are only notified of persisting errors.
- 3 Click **[OK]**.
- 4 Click **[View a Summary of Current Configuration]** to check the current settings, and then click **[X]** to close the window.
You can also check the current settings of up to two addresses on the main window. Select the desired addresses to check from the list box.
- 5 Click **[Submit]**.
The network card reboots to enable the new settings.

Controlling Access Using IP Address (IP Filtering)

You can control access to the printer using IP addresses. You can set whether to allow configuration or printing from the IP addresses specified. By factory default, IP filtering is disabled.

! Note

- Be sure to specify the correct IP address. If you specify a wrong IP address, you cannot access the printer using the IP protocol.
- When you enable IP filtering, access by hosts that are not specified in these steps is rejected.

Memo

- You can use only IPv4 for IP filtering.

- 1 Access the printer's web page and log in as the administrator.
- 2 Select **[Admin Setup]**.
- 3 Select **[Network Setup]> [Security]> [IP Filtering]**.
- 4 Follow the on-screen instructions to specify detailed settings.

! Note

- If nothing is registered in **[Administrator IP Address that has been registered]**, you may not be able to access the printer depending on the specified IP address range.
- If you use a proxy server, **[Your Current Local Host/Proxy IP Address]** and the IP address of your host may not match.

- 5 Click **[Submit]**.
The network card reboots to enable the new settings.

Controlling Access Using MAC Address (MAC Address Filtering)

You can control access to the printer using MAC addresses. You can allow or reject access from the specified MAC addresses.

! Note

- Be sure to specify the correct MAC address. If you specify the wrong MAC address, you cannot access the printer via a network.

Memo

- You cannot specify to accept or to reject for each address individually.

- 1 Access the printer's web page and log in as the administrator.
- 2 Select [**Admin Setup**].
- 3 Select [**Network Setup**] > [**Security**] > [**MAC Address Filtering**].
- 4 Follow the on-screen instructions to specify detailed settings.

! Note

- If nothing is registered in [**Administrator MAC Address that has been registered**], you may not be able to access the printer depending on the specified MAC address.
- If you use a proxy server, [**Your Current Local Host/Proxy MAC Address**] and the MAC address of your host may not match.

- 5 Click [**Submit**].
The network card reboots to enable the new settings.

Printing Without Printer Driver (Direct Print)

You can print PDF files without installing the printer driver. Specify the file you want to print on the web page and sent it to the printer.

Memo

- Additional RAM memory may be necessary depending on the PDF file.
- Printing may not be correct depending on the PDF file. When printing is not correct, open the file with Adobe Reader and then print.

- 1 Access the printer's web page and log in as the administrator.
- 2 Click [**Direct Print**].
- 3 Select [**Web Printing**].
- 4 Follow the on-screen instructions to specify detailed settings.
- 5 Check the settings and then click [**Print**].
The data is sent to the printer and the printing is started.

Encrypting Communication by SSL/TLS

You can encrypt communication between your computer and the printer. Communication is encrypted by SSL/TLS in the following cases.

- Changing printer settings from the web page
- IPP printing
- Direct printing

Creating a Certificate

You can create a certificate on the web page. The following two certificates are available.

- A self-signed certificate.
- A certificate created by a certificate authority.

! Note

- If you change the printer IP address after you create a certificate, the certificate becomes invalid. Be sure not to change the printer's IP address after creating a certificate.

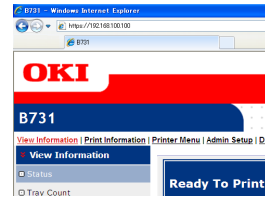
- 1 Access the printer's web page and log in as the administrator.
- 2 Select [**Admin Setup**].
- 3 Select [**Network Setup**] > [**Security**] > [**SSL/TLS**].
- 4 Select [**Enable**] for [**SSL/TLS**].
- 5 Enter the required information in [**CommonName**], [**Organization**], etc.
- 6 Click [**Submit**].
The information entered is displayed.
- 7 Check the information entered and click [**OK**].
When you are creating a self-signed certificate, the setting procedure is finished. Follow the on-screen instructions and close the web page.
When you are obtaining a certificate issued by a certificate authority, go to step 8.
- 8 Follow the on-screen instructions to send a CSR to a certificate authority.
- 9 Follow the on-screen instructions to install a certificate from the certificate authority.
Copy the text between "----- BEGIN CERTIFICATE -----" and "----- END CERTIFICATE -----", and paste it in the text box.

- 10 Click [**Submit**].

The setting procedure for a certificate issued by a certificate authority is finished.

Opening the Web Page

- 1 Launch a web browser.
- 2 Enter "https://your printer's IP address" in the URL address bar and then press the <**ENTER**> button.



IPP Printing

IPP printing allows you to transmit your print job data from your computer to the printer via the Internet.

■ Enabling IPP Printing


IPP printing is disabled by factory default. To perform IPP printing, enable IPP first.

- 1 Access the printer's web page and log in as the administrator.
- 2 Select [**Admin Setup**].
- 3 Select [**Network Setup**] > [**IPP**].
- 4 Select [**Enable**].
- 5 Click [**Submit**].

■ Setting Up Your Printer As an IPP Printer (for Windows Only)


Add the printer to your computer as an IPP printer.

- 1 Click [**Start**] and select [**Devices and Printers**] > [**Add a printer**].
- 2 On the [**Add Printer**] wizard, select [**Add a network, wireless or Bluetooth printer**].
- 3 In the list of available printers, select [**The printer that I want isn't listed**].
- 4 Select [**Select a shared printer by name**].

- 5 Enter "http://your printer's IP address/ipp" or "http://your printer's IP address/ipp/lp" and then click [**Next**].
 - 6 Click [**Disk Usage**].
 - 7 Insert the software DVD-ROM into the computer.
 - 8 Enter the following value in [**Copy manufacturer's files from:**], and then click [**Browse**].
 - For PCL driver, "D:\Drivers\EN\PCL".
 - For PS driver, "D:\Drivers\EN\PS".
 - For XPS driver, "D:\Drivers\EN\XPS".
-  Memo
- In the above examples, the DVD-ROM drive is setup as the D drive.
- 9 Select the INF file and click [**Open**].
 - 10 Click [**OK**].
 - 11 Select a model and click [**OK**].
 - 12 Click [**Next**].
 - 13 Click [**Finish**].
 - 14 Print the test page after installation is complete.

■ Setting Up Your Printer As an IPP Printer (for Mac OS X Only)

Add the printer to your computer as an IPP printer.

- 1 Insert the software DVD-ROM into the computer and install the driver.
-  Reference
- "User's Manual (Setup)"
- 2 Select [**System Preferences**] from the Apple menu.
 - 3 Click [**Print & Scan**].
 - 4 Click [+].
 - 5 Click the [**IP**] tab.
 - 6 From [**Protocol**], select [**IPP (Internet Printing Protocol)**].
 - 7 Enter the printer's IP address in [**Address**].

- 8 Enter "ipp/lp" in [**Queue**].
- 9 Click [**Add**].
- 10 Click [**Continue**].
- 11 Confirm that the printer is registered in [**Print & Scan**].

■ Performing IPP Printing

 Memo

- The following steps are explained using NotePad as an example. The steps and menus may differ depending on the application you use.

- 1 Open the file you want to print.
- 2 From the [**File**] menu, select [**Print**].
- 3 Select the IPP printer you created from [**Select Printer**], and then click [**Print**].

Encrypting Communication by IPSec

You can encrypt communication between your computer and the printer.

The communication is encrypted by IPSec. When IPSec is enabled, encryption is applied for all the applications using IP protocols.

You can specify up to 50 hosts by their IP addresses. When a host that is not registered tries to access the printer, it is rejected. When you try to access a host that is not registered, the attempt is invalid.

Be sure to configure the printer before configuring your computer.



- You must have a pre-shared key readied in advance.

Configuring Your Printer

In order to enable IPSec, your printer must first be configured from the web page.



- When you enable IPSec, communication with a host not specified in this procedure is rejected.



- Be sure to make a note of the values you specify in these steps. They are necessary when you configure the IPSec settings on your computer.

1 Access the printer's web page and log in as the administrator.

2 Select **[Admin Setup]**.

3 Select **[Network Setup]** > **[Security]** > **[IPSec]**.

4 Follow the on-screen instructions to specify detailed settings.



- Either **[ESP]** or **[AH]** must be enabled in the configuration for "Phase2 Proposal".

5 Click **[Submit]**.

The network card reboots to enable the new settings.



- If you were unable to set up IPSec because of an inconsistency between the parameters that were specified, you will be unable to access the web page. In this case, either disable IPSec from the operator panel of the printer, or initialize the network settings.

Configuring Your Computer



- Be sure to configure the printer before configuring your computer.

1 Click **[Start]** and select **[Control Panel]**>**[Administrative Tools]**.

2 Double-click **[Local Security Policy]**.

3 On the **[Local Security Policy]** window, click **[IP Security Policies on Local Computer]**.

4 From the **[Action]** menu, select **[Create IP Security Policy]**.

5 On the **[IP Security Policy Wizard]**, click **[Next]**.

6 Enter a **[Name]** and a **[Description]** and then click **[Next]**.

7 Deselect the **[Activate the default response rule (earlier versions of Windows only)]** check box and then click **[Next]**.

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

9 On the IP security policy properties window, select the **[General]** tab.

10 Click **[Settings]**.

11 On the **[Key Exchange Settings]** window, enter a value (minutes) for **[Authenticate and generate a new key after every]**.



- Specify the same value as **[Lifetime]** specified in the configuration for "Phase1 Proposal" in ["Configuring Your Printer" P.124](#). Although **[Lifetime]** is specified in seconds, enter a value in minutes for this step.

12 Click **[Methods]**.

13 On the **[Key Exchange Security Methods]** window, click **[Add]**.

14 Specify **[Integrity algorithm]**, **[Encryption algorithm]** and **[Diffie-Hellman group]**.



- Select the same value that was specified in **[IKE Encryption Algorithm]**, **[IKE Hush Algorithm]**, and **[Diffie-Hellman group]** at the time of

configuration for "Phase1 Proposal" in "Configuring Your Printer" P.124.

- 15 Click [OK].
 - 16 On the [Key Exchange Security Methods] window, click [OK].
 - 17 On the [Key Exchange Settings] window, click [OK].
 - 18 On the IP security policy properties window, select the [Rules] tab.
 - 19 Click [Add].
 - 20 On the [Security Rule Wizard], click [Next].
 - 21 On the [Tunnel Endpoint] screen, select [This rule does not specify a tunnel] and then click [Next].
 - 22 On the [Network Type] screen, select [All Network Connections] and then click [Next].
 - 23 On the [IP Filter List] screen, click [Add].
 - 24 On the [IP Filter List] window, click [Add].
 - 25 On the [IP Filter Wizard], click [Next].
 - 26 On the [IP Filter Description and Mirrored Property] screen, click [Next].
 - 27 On the [IP Traffic Source] screen, click [Next].
 - 28 On the [IP Traffic Destination] screen, click [Next].
 - 29 On the [IP Protocol Type] screen, click [Next].
 - 30 Click [Finish].
 - 31 On the [IP Filter List] window, click [OK].
 - 32 On the [Security Rule Wizard], select the new IP filter from the list and then click [Next].
 - 33 On the [Filter Action] screen, click [Add].
 - 34 On the [Filter Action Wizard], click [Next].
 - 35 On the [Filter Action Name] screen, enter a [Name] and a [Description] and then click [Next].
 - 36 On the [Filter Action General Options] screen, select [Negotiate security] and then click [Next].
 - 37 On the [Communicating with computers that do not support IPsec] screen, select [Do not allow unsecured communication] and then click [Next].
 - 38 On the [IP Traffic Security] screen, select [Custom] and then click [Settings].
 - 39 On the [Custom Security Method Settings] window, configure the settings and then click [OK].
- Note**

 - Configure the AH and ESP settings to the same settings as configured for the "Phase2 Proposal" in "Configuring Your Printer" P.124.
- 40 On the [IP Traffic Security] screen, click [Next].
 - 41 Select [Edit Properties] and then click [Finish].
 - 42 On the filter action properties window, select [Use session key perfect forward secrecy (PFS)] if you want to enable Key PFS.
 - 43 Select [Accept unsecured communication, but always respond using IPsec] if you perform IPSec communication by the IPv6 global address.
 - 44 Click [OK].
 - 45 Select [New Filter Action] and then click [Next].
 - 46 On the [Authentication Method] screen, select the authentication method you want and then click [Next].

- 47 Click [**Finish**].
- 48 On the IP security policy properties window, click [**OK**].
- 49 On the [**Local Security Policy**] window, select the new IP security policy.
- 50 From the [**Action**] menu, select [**Assign**].
- 51 Make sure that for the new IP security policy, [**Policy Assigned**] is displayed as [**Yes**].
- 52 Click [**X**] on the [**Local Security Policy**] screen.

4

Using SNMPv3

When you use an SNMP manager that supports SNMPv3, management of the printer can be encrypted by SNMP.

- 1 Access the printer's web page and log in as the administrator.
- 2 Select [**Admin Setup**].
- 3 Select [**Network Setup**] > [**SNMP**] > [**Settings**].
- 4 Follow the on-screen instructions to specify detailed settings.
- 5 Click [**Submit**].
The network card reboots to enable the new settings.

Using IPv6

Your printer supports IPv6. The printer obtains the IPv6 address automatically. You cannot set the IPv6 address manually.

The printer supports the following protocols.

- For Printing:
 - LPR
 - IPP
 - RAW (Port9100)
 - FTP
- For Configuration:
 - HTTP
 - SNMPv1/v3
 - Telnet

Operation is confirmed under specific conditions for the following applications.

| Protocol | OS | Application | Condition |
|----------|--|-------------------------|-------------|
| LPD | <ul style="list-style-type: none"> • Windows 7 • Windows Vista • Windows XP | LPR (Command Prompt) | *1, 2, 3 |
| Port9100 | <ul style="list-style-type: none"> • Windows 7 • Windows Vista | LPRng | *1, 2, 3 |
| FTP | <ul style="list-style-type: none"> • Windows 7 • Windows Vista • Windows XP | FTP (Command Prompt) | *1, 2, 3 |
| | <ul style="list-style-type: none"> • Mac OS X | FTP (Terminal) | *1, 2, 3 |
| HTTP | <ul style="list-style-type: none"> • Windows XP | Internet Explorer 6.0 | *1, 2, 3 |
| | <ul style="list-style-type: none"> • Mac OS X | Safari (2.0-v412.2) | *1, 2, 3, 4 |
| Telnet | <ul style="list-style-type: none"> • Windows 7 • Windows Vista • Windows XP | Telnet (Command Prompt) | *1, 2, 3 |
| | <ul style="list-style-type: none"> • Mac OS X | Telnet (Terminal) | *1, 2, 3 |

- *1) To specify a host name, edit the host's file or access via the DNS server.
- *2) With Telnet, when only IPv6 is enabled you cannot specify a host name by the DNS server.
- *3) You cannot specify a host name when you use a link local address to access.
- *4) Enter an IPv6 address enclosed with square brackets.



- To use IPv6 on Windows XP, install IPv6.

Enabling IPv6

- 1 Access the printer's web page and log in as the administrator.
- 2 Select [**Admin Setup**].
- 3 Select [**Network Setup**] > [**TCP/IP**].
- 4 Select [**Enable**] for [**IPv6**].
- 5 Click [**Submit**].
The network card reboots to enable the new settings.

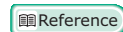
Checking IPv6 Address

The IPv6 address is automatically assigned.

- 1 Select [**View Information**].
- 2 Select [**Network**] > [**TCP/IP**].



- When the global address is displayed only as zeros, it may be an error due to the router being used.



- You can also check the IPv6 address in the network report from the printer by pressing the scroll button ▼ and then selecting [**Print Information**] > [**Network**]. For details on the report and how to print it, refer to "Printing Out Print Information" P.46.

Using IEEE802.1X

Your printer supports IEEE802.1X authentication. Be sure to configure the printer and your computer before performing the following steps.

Reference

- For details on the initial setup and the IP address, refer to the User's Manual (Setup).

Configuring Your Printer for IEEE802.1X

■ Using PEAP

- 1 Access the printer's web page and log in as the administrator.
- 2 Select [**Admin Setup**].
- 3 Select [**Network Setup**] > [**IEEE802.1X**].
- 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 Select [**Authenticate Server**] and then click [**Import**].
- 9 Enter the file name of the CA certificate and then click [**OK**].
Specify a certificate issued by the certificate authority from which the RADIUS server obtained a certificate. A PEM, DER, and PKCS#7 file can be imported.
- 10 Click [**Submit**].
The network card reboots to enable the new settings.
- 11 When the standby screen appears on the printer, turn off the printer.
- 12 Go to "[Connecting Your Printer to an Authentication Switch](#)" P.128.

■ Using EAP-TLS

- 1 Access the printer's web page and log in as the administrator.
- 2 Select [**Admin Setup**].

- 3 Select [**Network Setup**] > [**IEEE802.1X**].
- 4 Select [**Enable**] for [**IEEE802.1X**].
- 5 Select [**EAP-TLS**] for [**EAP Type**].
- 6 Enter a user name in [**EAP User**].
- 7 Select [**Not use SSL/TLS Certificate for EAP authentication**] and then click [**Import**].
- 8 Enter the file name of the certificate.
Only a PKCS#12 file can be imported.
- 9 Enter the password of the certificate and then click [**OK**].
- 10 Select [**Authenticate Server**] and then click [**Import**].
- 11 Enter the file name of the CA certificate and then click [**OK**].
Specify a certificate issued by the certificate authority from which the RADIUS server obtained a certificate. A PEM, DER, and PKCS#7 file can be imported.
- 12 Click [**Submit**].
The network card reboots to enable the new settings.
- 13 When the standby screen appears on the printer, turn off the printer.
- 14 Go to "[Connecting Your Printer to an Authentication Switch](#)" P.128.

Connecting Your Printer to an Authentication Switch

- 1 Make sure that the printer is turned off.
- 2 Connect an Ethernet cable to the network interface port.
- 3 Connect the Ethernet cable to the authentication port of an authentication switch.
- 4 Turn on the printer.
- 5 Set up the printer.

Reference

- For details on the initial setup, refer to the User's Manual (Setup).

Other Operations

This section explains how to initialize the network settings and how to set up your printer and computer to use DHCP.

Initializing Network Settings

! Note

- This procedure initializes all the network settings.

- 1 Press the scroll button ▼.
- 2 Press the scroll button ▼ to select [**Admin Setup**] and then press the <**ENTER**> button.
- 3 Enter the administrator password using the ten-key pad.
The factory default administrator password is "aaaaa".
- 4 Press the <**ENTER**> button.
- 5 Make sure that [**Network Setup**] is selected and then press the <**ENTER**> button.
- 6 Press the scroll button ▼ to select [**Factory Defaults?**] and then press the <**ENTER**> button.
- 7 Make sure that [**Execute**] is selected and then press the <**ENTER**> button.
The network settings are initialized.

Using DHCP

You can obtain an IP address from the DHCP server.

! Note

- Administrator privileges are required.

Memo

- You can obtain an IP address from the BOOTP server.

Configuring DHCP Server

DHCP assigns an IP address to each host on the TCP/IP network.

! Note

- The printer must have a static IP address if you want to print via a network. For details on how to assign a static IP address, refer to the manual of your DHCP server.

Memo

- The following OSs are supported:
 - Windows Server 2008 R2, Windows Server 2008, and Windows Server 2003
- The following steps are explained using Windows Server 2008 R2 as an example. The steps and menus may differ depending on the OS you use.

- 1 Click [**Start**] and select [**Administrative Tools**] > [**Server Manager**].
If [**DHCP**] is already shown in [**Administrative Tools**], continue to step 8.
- 2 Select [**Add Roles**] on the [**Roles Summary**] area.
- 3 On the [**Add Roles Wizard**], click [**Next**].
- 4 Select [**DHCP Server**] and then click [**Next**].
- 5 Follow the on-screen instructions and configure the settings as necessary.
- 6 On the [**Confirm Installation Selection**] screen, check the settings and click [**Install**].
- 7 When the installation finishes, click [**Close**].

- 8 Click [**Start**] and select [**Administrative Tools**] > [**DHCP**] to launch the [**DHCP**] wizard.
- 9 On the DHCP list, select a server to use.
- 10 From the [**Action**] menu, select [**New Scope**].
- 11 On the [**New Scope Wizard**], follow the on-screen instructions and configure the settings as necessary.

Memo

 - Be sure to configure the default gateway settings.
 - On the [**Activate Scope**] screen, select [**Yes, I want to activate the scope now**].
- 12 Click [**Finish**].
- 13 Select the new scope from the DHCP list and then select [**Reservations**].
- 14 From the [**Action**] menu, select [**New Reservation**].
- 15 Configure the settings.
- 16 Click [**Add**].
- 17 Click [**Close**].
- 18 From the [**File**] menu, select [**Exit**].

Configuring Your Printer

The following explains how to configure your printer to use DHCP/BOOTP.

Note that since the DHCP/BOOTP protocol is enabled by factory default, you do not have to perform this procedure.



- The following steps are explained using Network Card Setup as an example. The steps and menus may differ depending on the software you use.

- 1 Turn on the printer.
- 2 Turn on your computer and insert the software DVD-ROM.
- 3 Click [**Run Setup.exe**].
If the [**User Account Control**] dialog box appears, click [**Yes**].
- 4 Read the license agreement and click [**Agree**].

- 5 Read the [**Environmental advice for Users**] and then click [**Next**].
- 6 Select a device to be used and then click [**Next**].
- 7 Select [**Network connection**] and then click [**Next**].
- 8 Click [**Device Network Setup**].
- 9 Select your printer from the list and click [**Next**].
- 10 Enter the IP address and then click [**Setup**].
- 11 Enter the password at [**Password**] and then click [**OK**].
 - The factory default password is the last six digits of the MAC address.
 - The password is case-sensitive.

The network card reboots to enable the new settings.
- 12 Click on [**Exit**].

5. Troubleshooting

This chapter explains initializing, deleting and updating drivers.

■ Initializing

This section explains how to initialize a hard disk and flash memory and how to reset the printer settings to their defaults.

You can delete data or settings stored on the printer to restore the settings to how they were at the time of purchase.

! Note

- In the default settings, [**Initialize**] cannot be selected because [**No**] is selected for [**Admin Setup**], [**Others Setup**], [**Storage Common Setup**], [**Enable Initialization**]. Set [**Admin Setup**], [**Others Setup**], [**Storage Common Setup**], [**Enable Initialization**] to [**Yes**].

Memo

- In order to access the [**Admin Setup**] menu, an administrator password is required. The default password is "aaaaaa".

Initializing a hard disk

Carry out initialization of a hard disk when inserting a hard disk that has been used in other equipment or when the hard disk is not properly recognized.

A hard disk is used as storage for spooling when making multiple copies, for saving secure print/encrypted print data, and for form data and macros. Initialization deletes stored data.

A hard disk has three partitions. They are PS, Common, and PCL. When a hard disk is initialized, each partition is respectively divided into the percentage specified (in the factory default setting, PS: 30%, Common: 50%, PCL: 20%). You can also format particular partitions individually.

If a hard disk that has been installed to another device is installed to the printer, or if the hard disk installed to the printer cannot be detected anymore, [**Initialize Yes/No**] may appear on the display when the printer is turned on. In such a case, select [**Yes**]. (Data stored in the hard disk is deleted.)

If [**No**] is selected, [**Service call 067:Error**] may appear on the display. Turn off the printer and detach the hard disk, or turn off the printer and turn it back on with the hard disk left installed, then select [**Yes**].

Formatting the Entire Area

You can format the entire area of the hard disk installed in the printer.

! Note

- When you initialize the entire area of a hard disk, the following data is deleted.
 - Stored job data subject for [**Secure Print**], [**Encrypted Secure Print**] or [**Store for Re-print**].
 - Custom demo data
 - Form data

- 1 Press the scroll button ▼.
- 2 Press the scroll button ▼ to select [**Admin Setup**] and then press the <**ENTER**> button.
- 3 Enter the administrator password using the ten-key pad.
The default password is "aaaaaa".
- 4 Press the <**ENTER**> button.
- 5 Press the scroll button ▼ to select [**Others Setup**] and then press the <**ENTER**> button.
- 6 Press the scroll button ▼ to select [**HDD Setup**] and then press the <**ENTER**> button.
- 7 Make sure that [**Initialize**] is selected and then press the <**ENTER**> button.

- 8 Make sure that [**Yes**] is selected and then press the <**ENTER**> button. [**Execute Now?**] appears. Select [**Yes**] to continue.

Formatting a Particular Partition

You can initialize a particular partition within the hard disk's 3 partitions (PS, Common, and PCL).

Note

- When you initialize a partition, the following data is deleted.
 - PS: Form data in PS area
 - Common: Job data and demo data stored with [**Secure Print**], [**Encrypted Secure Print**] or [**Store for Re-print**].
 - PCL: Form data in the PCL area

- 1 Press the scroll button ▼.
- 2 Press the scroll button ▼ to select [**Admin Setup**] and then press the <**ENTER**> button.
- 3 Enter the administrator password using the ten-key pad. The default password is "aaaaaa".
- 4 Press the <**ENTER**> button.
- 5 Press the scroll button ▼ to select [**Others Setup**] and then press the <**ENTER**> button.
- 6 Press the scroll button ▼ to select [**HDD Setup**] and then press the <**ENTER**> button.
- 7 Press the scroll button ▼ to select [**Format**] and then press the <**ENTER**> button.
- 8 Press the scroll button ▼ to select the partition you want to initialize and then press the <**ENTER**> button.
- 9 Make sure that [**Yes**] is selected and then press the <**ENTER**> button. [**Execute Now?**] appears. Select [**Yes**] to continue.

Initializing Flash Memory

Flash memory is built in a printer and stores data such as form data, etc.

Use the following steps to initialize.

Note

- When you initialize flash memory, the following data is deleted.
 - Secure Print Jobs
 - Store for Re-print Jobs
 - Encrypted Secure Print Jobs
 - Form data

- 1 Press the scroll button ▼.
- 2 Press the scroll button ▼ to select [**Admin Setup**] and then press the <**ENTER**> button.
- 3 Enter the administrator password using the ten-key pad. The default password is "aaaaaa".
- 4 Press the <**ENTER**> button.
- 5 Press the scroll button ▼ to select [**Other Settings**] and then press the <**ENTER**> button.
- 6 Press the scroll button ▼ to select [**Flash Memory Setup**] and then press the <**ENTER**> button.
- 7 Make sure that [**Initialize**] is selected and then press the <**ENTER**> button.
- 8 Make sure that [**Yes**] is selected and then press the <**ENTER**> button. [**Execute Now?**] appears. Select [**Yes**] to continue.

Resetting the Printer Settings

You can return the configured settings to their default.

! Note

- Password, network settings, and time settings do not return to factory default.

- 1 Press the scroll button ▼.
- 2 Press the scroll button ▼ to select [**Admin Setup**] and then press the <**ENTER**> button.
- 3 Enter the administrator password using the ten-key pad.
The default password is "aaaaaa".
- 4 Press the <**ENTER**> button.
- 5 Press the scroll button ▼ to select [**Settings**] and then press the <**ENTER**> button.
- 6 Make sure that [**Reset Settings**] is selected and then press the <**ENTER**> button.
- 7 Make sure that [**Execute**] is selected and then press the <**ENTER**> button.

■ Deleting or Updating the Printer Drivers

This section explains how to delete or update the printer drivers you are using.

! Note

- The procedure and display may differ according to the printer driver and version of Windows or Mac OS X you are using.

Deleting a Driver

You can uninstall printer drivers.

For Windows

! Note

- You must be logged on as an administrator to complete this procedure.
- Restart the computer before you remove a driver.

- 1 Click on [**Start**] and then select [**Devices and Printers**].
- 2 Right-click the *Your Printer* icon and select [**Remove device**].
If you have specified multiple printer drivers, select the type of driver you want to delete from [**Delete print queue**].
- 3 If a confirmation message appears, click [**Yes**].
! Note
 - If a message appears stating that the device is in use, restart the computer and try again from step 1 to 2.
- 4 Click [**Print server properties**] on the top bar with one of any icons selected in [**Printers and Faxes**].
- 5 Select the [**Drivers**] tab.
- 6 If [**Change Driver Settings**] is displayed, click on it.
- 7 Select the printer driver you want to remove and click [**Remove**].
- 8 If a message appears asking you whether to remove the printer driver only or the printer driver and driver package from your system, select [**Remove Driver and Package**] and then click [**OK**].
- 9 If a confirmation message appears, click [**Yes**].

- 10 If the [**Remove Driver and Package**] dialog box appears, click [**Remove**] and then [**OK**].

! Note

- If deletion is rejected, restart the computer, and carry out procedures 4-10 again.

- 11 Click [**Close**] in the [**Print Server Properties**] dialog box.

- 12 Restart the computer.

For Mac OS X

- 1 From the Apple menu, select [**System Preferences**].
- 2 Select [**Print & Scan**].
- 3 Select the device you want to remove and then click [-].
If a confirmation message appears, click [**Delete Printer**].
- 4 Close the [**Print & Scan**] dialog box.
- 5 Insert the software DVD-ROM into the computer.
- 6 Double-click [**OKI**] > [**Driver**] > [**PS**] > [**Uninstaller**].
- 7 Check the device to delete displayed in the dialog box and click [**OK**].
- 8 Enter the administrator password using the ten-key pad and click [**OK**] twice.
- 9 Remove the software DVD-ROM from the computer.

Updating a Driver

You can update printer drivers.

For Windows Printer Driver

! Note

- You must be logged in as an administrator to complete this procedure.
- Restart the computer before you start removing a printer driver.

- 1 Click on [**Start**] and then select [**Devices and Printers**].
- 2 Right-click the *Your Printer* icon and select [**Printing preferences**].
If you have installed multiple printer drivers, select the type of driver you want to update from [**Printer Properties**].
Select the type of printer driver to check.
- 3 Click [**About**] in the [**Setup**] tab.
For PS printer driver, select the [**Job Option**] tab and then click [**About**].
- 4 Check the version information and then click [**OK**].
- 5 Delete the printer driver you want to update.

! Note

- Delete all the printer drivers of the same type (PCL, PS, and XPS printer drivers) to ensure updating.

Reference

- ["Deleting a Driver" P.134](#)

- 6 Install a new printer driver.

Reference

- For details on how to install a printer driver, refer to the User's Manual (Setup).

For Mac OS X

- 1 Delete the printer driver you want to update.

Reference

- ["Deleting a Driver" P.134](#)

- 2 Install a new printer driver.

Reference

- For details on how to install a printer driver, refer to the User's Manual (Setup).

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