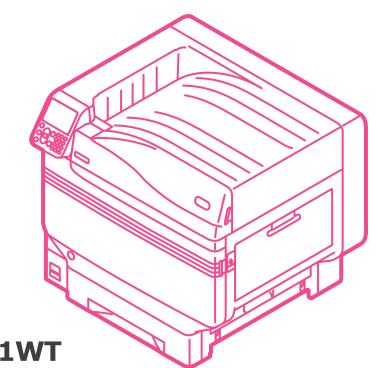


User's Manual



Try using various functions







Manual Configuration

The following user manuals are enclosed with the product.

The e-manual is stored as software on DVD-ROM.

Step Read this first



Opening the box and installing the printer **Set-up Guide**

• Pamphlet

This guide uses illustrations to explain the methods from opening the box to installation. For the advanced setup guide, see the "Basic".

rampinee

Preparing the printer to print



• E-format

Basic

This guide describes the precautions for safe use of the device. Make sure to read before use. Further, basic uses from the device installation methods to initial printing are also explained. The device functions are described in the appendix.

- Checking the product
- Parts nomenclature and functions
- Using the device to its fullest
- Installing the device
- Turning ON and OFF the power supply
- Test printing using the printer only
- Connecting to a PC
- PaperPrinting
- Paper ejection
- Setting Power Save mode
- Setting auto power OFF
- Checking the print quantity, consumables, remaining maintenance unit quantity, and remaining service life
- Cancelling a print job
 Adding printers using LPD protocols (TCP/IP)
- Table of control panel menu items
- Basic Windows procedures
- Printer specifications

Read these guides as necessary



Try using various functions

Advanced (This manual)

This guide explains the various paper print methods and how to use useful functions. Read to optimize the printing environment or to adjust the color, etc., using the enclosed utility software.

Further, this guide also explains the items that can be set from the control panel, and the network settings.

Read for any points that are not understood, or for maintenance

Troubleshooting/Daily

• E-format

• E-format

• E-format

Maintenance Manual This manual explains the procedures for paper jams, and troubleshooting method if an error message is displayed. This manual also explains daily maintenance such as now to replace

consumables and maintenance units, and cleaning, etc.

- Useful print functions
- Adjusting the color
- Using utility software
- Network settings
- Checking and changing printer settings using the control panel
- Troubleshooting
- Maintenance
- Consumables, maintenance products, options, color management server, etc.

Sepa

Separate Volume Spot Color Guide

This guide explains how to check the printer drivers, and how to print using Spot Color. Make sure to read before use.

- Control panel explanation
- Checking the printer drivers
- Table of printer driver functions
- Printing on color paper
- Printing on transparent film
- Specifying and printing Spot Color toner using the applications
- Fine-tuning white

Reading the Manual

Symbols

! Note

• These are cautions and restrictions for the correct operation of the device. Make sure to read to avoid misoperation.

∭ Memo

• Knowledge of the information before using the device is useful and can act as a reference. Reading is recommended.

Reference

• This are the reference pages. Read to learn detailed information and relevant information.

• Mishandling due to ignoring this display may cause death or serious injury.

• Mishandling due to ignoring this display may cause personal injury.

Keys, Buttons, and Symbols

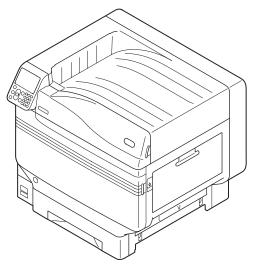
This chapter described the following	keys, buttons, and symbols.
--------------------------------------	-----------------------------

Inscription	Inscription Explanation	
[] button/key	 The control panel buttons and 10-key pad are described below. E.g.: (m) → [OK] button (m) → [OK] button (m) → [Fn] key (c) → [CLEAR] key Indicates your PC keyboard. 	
[]	 Describes the menu name on the liquid crystal panel. Describes the PC menus, windows, and dialog box names. 	
	 Describes the messages and input text displayed in the liquid crystal panel. Describes the file and screen names on the PC. Describes the reference title. 	
>	Describes the menu level of the device or PC.	

Illustrations

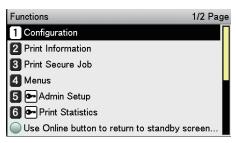
The device illustrations used herein show the Pro9541WT model unless otherwise specified.

Illustrations may differ from the actual product.



Screens

The images of the control panel and PC used herein are examples. The images may differ from actual products and screens.



Inscriptions

The following inscriptions are used in this manual.

- Pro9541WT \rightarrow Pro9541
- Microsoft[®] Windows[®] 10 64-bit Edition operating system version \rightarrow Windows 10 (64bit version)
- Microsoft[®] Windows[®] 10 operating system version \rightarrow Windows 10
- \bullet Mac OS X 10.10.5 or later \rightarrow Mac OS X

The manuals enclosed with the printer use as examples Windows 10 in the case of Windows, and OS X 10.13 in the case of Mac OS X unless otherwise specified.

Depending on the OS and model used, descriptions in this manual may differ.

Contents

	Manual Configuration2
	Reading the Manual
	Symbols3
	Keys, Buttons, and Symbols3
	Illustrations4
	Screens4
	Inscriptions5
1	Convenient print functions 11
	Printer driver functions table12
	Functions explanation12
	Windows PS printer driver functions12
	Mac OS X PS printer driver functions14
	Printing on various papers17
	Printing on transparencies17
	Printing on user-selected paper sizes (custom pages and lengthy printing)21
	Using custom media24
	Economy printing
	Printing multiple pages on a single sheet (multi-page printing)26
	Test printing with toner economy (toner economy mode)
	Changing sizes to print
	Enlarging/reducing pages
	Clean printing
	Changing print quality (resolution)
	Printing text and lines sharply
	Compensating fine lines
	Using printer fonts
	Using PC fonts
	Printing print results so that people cannot see them
	Entering passwords to print (Secure Print)
	Printing secret text (encrypted secure print)
	Correcting the Print Position on the Paper Using the Control Panel 39 Correcting the print start position
	Adjusting the Image Stretch (Print Length) Using the Control Panel 41 Adjusting the stretch of print results
	Advanced print functions
	Setting the page order
	Printing documents in page order

	Printing documents in reverse page order	43
	Printing single sheets manually	45
	Automatically selecting trays	46
	Printing only covers from a separate tray (cover printing)	47
	Stamping and printing (watermarks)	48
	Collate (sort printing)	49
	Outputting portrait and landscape alternately using batch printing	50
	Saving data for repeat printing	51
	Printing using registered forms (overlay printing)	52
	Automatically switching trays	53
	Using the printer buffer	55
	Outputting to file without printing	56
	Downloading PostScript files	57
	Printing PostScript errors	57
	Changing settings for mono printing	58
	Changing the default printer driver settings	59
De	eleting or updating printer drivers	50
	Deleting the printer drivers	60
	Updating the printer drivers	61
Μ	atching Colors	
M	atching colors using the control panel	
	Manually compensating color drift	66
	Manually compensating color drift Automatically compensating density and gradation	66 66
	Manually compensating color drift Automatically compensating density and gradation Manually compensating density	66 66 67
	Manually compensating color drift Automatically compensating density and gradation Manually compensating density Fine-tuning density adjustment	66 66 67 68
	Manually compensating color drift. Automatically compensating density and gradation Manually compensating density Fine-tuning density adjustment Adjusting the color balance (density)	66 66 67 68 69
	Manually compensating color drift Automatically compensating density and gradation Manually compensating density Fine-tuning density adjustment	66 66 67 68 69
	Manually compensating color drift. Automatically compensating density and gradation. Manually compensating density. Fine-tuning density adjustment. Adjusting the color balance (density). Adjusting the color balance	66 67 68 69 72 74
	Manually compensating color drift. Automatically compensating density and gradation. Manually compensating density. Fine-tuning density adjustment. Adjusting the color balance (density). Adjusting the color balance	66 67 68 69 72 74 74
	Manually compensating color drift. Automatically compensating density and gradation. Manually compensating density. Fine-tuning density adjustment. Adjusting the color balance (density). Adjusting the color balance	66 67 68 69 72 74 74
	Manually compensating color drift Automatically compensating density and gradation Manually compensating density Fine-tuning density adjustment Adjusting the color balance (density) Adjusting the color balance	66 67 68 69 72 74 74 74 74
	Manually compensating color drift. Automatically compensating density and gradation. Manually compensating density. Fine-tuning density adjustment. Adjusting the color balance (density). Adjusting the color balance . atching Colors Using the Printer Drivers . Color matching	66 67 68 69 72 74 74 74 74 74
	Manually compensating color drift. Automatically compensating density and gradation. Manually compensating density. Fine-tuning density adjustment. Adjusting the color balance (density). Adjusting the color balance . Adjusting the color balance . Adjusting the color balance . Color matching	66 67 68 69 72 74 74 74 74 75 77
	Manually compensating color drift. Automatically compensating density and gradation. Manually compensating density. Fine-tuning density adjustment. Adjusting the color balance (density). Adjusting the color balance . atching Colors Using the Printer Drivers	66 67 68 69 72 74 74 74 74 75 77 78
	Manually compensating color drift. Automatically compensating density and gradation. Manually compensating density. Fine-tuning density adjustment. Adjusting the color balance (density). Adjusting the color balance	66 67 68 69 72 74 74 74 75 77 75 77 78 79
	Manually compensating color drift. Automatically compensating density and gradation. Manually compensating density. Fine-tuning density adjustment. Adjusting the color balance (density). Adjusting the color balance . atching Colors Using the Printer Drivers . Color matching . What is color matching?. Color matching (recommended). Easy color matching (Office colors). Color matching (GraphicPro). Color matching (No Color Matching). Changing black finish. Printing using monochrome (black and white).	66 67 68 69 72 74 74 74 75 77 75 77 78 79
	Manually compensating color drift. Automatically compensating density and gradation. Manually compensating density. Fine-tuning density adjustment. Adjusting the color balance (density). Adjusting the color balance	66 67 68 69 72 74 74 75 77 75 77 78 79 81
M	Manually compensating color drift Automatically compensating density and gradation	66 67 68 69 72 74 74 74 74 75 77 78 78 81 82 83
M	Manually compensating color drift. Automatically compensating density and gradation. Manually compensating density. Fine-tuning density adjustment. Adjusting the color balance (density). Adjusting the color balance	66 67 68 69 72 74 74 74 74 75 77 78 78 81 82 83

2

	Disabling the Postscript Color Matching	8
	atching Colors Using Utilities	
	PS Gamma Adjuster	
	Registering gamma (Windows)	8
	Registering gamma (Macintosh)	8
	Profile assistant	
	Registering ICC profiles	
Us	sing Utility Software	
	ility software that can be used with the printer Utilities table	
	Windows/Macintosh common utilities	
	Windows utilities	
	Macintosh utilities	
]	Installing utilities	93
	Windows	
	Macintosh	
Ni	ndows utilities	
(Configuration Tool	95
	Operations environment	
	Installing	
	Registering devices	
	Device Info tab	98
	Network Setting plug-in	98
	Storage Manager plug-in	
(Change the Printer Display Language	
	Operations environment	
	Switching the control panel language	
	Direct Network Printing Utility (LPR)	
	Operations environment	
	Starting up	
	Downloading files to the printer	
	Checking/deleting/transferring jobs	
	Checking the printer status	
	Adding printers	
	Automatically transferring jobs	
	Printing using multiple printers simultaneously	
	Starting the web browser	
	Adding comments	
	Setting IP addresses automatically	
	Uninstalling	
I	Network Extension	
	Operations environment	

	Checking the printer settings
	Setting options automatically
	Uninstalling
	Mac OS X utilities
	Panel language setup113
	Setting the printer
	Network Card Setup Utility114
	Setting IP addresses
	Making web settings
	Finishing the Network Card Setup Utility114
4	Network Setup 115
	Network setting items 116
	Initializing network settings129
	Using DHCP
	Setting the DHCP server
	Setting the printer
	Using SNMP
	About IPv6
	Checking IPv6 addresses134
	Setting the network from the web browser
	Operations environment
	Starting up135
	Logging in as an administrator136
	Items table137
	Changing administrator passwords139
	Checking printer status from the PC140
	Changing printer settings from the PC140
	Encrypting communications (SSL/TLS)141
	Printing using IPP143
	Encrypting communications (IPSec)145
	Using the access restriction function (IP filter) with IP addresses152
	Using the access restriction function with MAC addresses
	Notifying errors using e-mail155
	Notifying errors periodically using e-mail157
	Using SNMPv3160
	Using IEEE802.1X162
	Changing EtherTalk printer names (Macintosh)166
	Changing EtherTalk zones (Macintosh)166
	Printing without printer drivers (Direct printing)167
	Printing PDF files
	Setting the server to print mail attachments

Printing printer information	
Printable report tables	
Printing printer settings lists	
Settings details	
Printing printer information lists	
Network information	
File list	
Demo pages	
Error log	
Total print results	
Total print results Printing print lists	
Font list	
Color profile list	
User media list	
Test prints	
Registering custom sizes (irregular paper)	
Changing administrator passwords	
Restricting button operations (panel lockout)	
Restricting menu displays (menu lockout)	
Checking print quantities	
Checking remaining consumables and maintenan	ce unit quantities 183
Table of setting items in the device setup screer	n 184
Device setup screen	
[Configuration]	
[Print Information]	
- [Print Secure Job]	
[Menus]	
[Admin Setun]	200
[Admin Setup]	
[Print Statistics]	
[Print Statistics] [Calibration]	
[Print Statistics]	
[Print Statistics] [Calibration]	
[Print Statistics] [Calibration] [Boot Menu]	209 210 214 214 215

Convenient print functions

Printer driver functions table12
Printing on various papers17
Economy printing26
Changing sizes to print28
Clean printing
Printing print results so that people cannot see them
Correcting the Print Position on the Paper Using the Control Panel
Adjusting the Image Stretch (Print Length) Using the Control Panel 41
Advanced print functions43
Deleting or updating printer drivers 60

(! Note

- This section uses [WordPad] for its Windows explanations, and [TextEditor] for its Mac OS X explanations. Depending on the application, the screens and operations procedures may differ.
- For detailed explanations of the printer driver and utility setup items, see "Online Help".
- Due to printer driver and utility version upgrades, there may be differences from the descriptions in this manual.

Printer driver functions table

This section explains the convenient functions when printing from a PC.

Reference

1

• For detailed explanations of the printer driver setup items, see "Online Help".

Functions explanation

This section describes functions of the PS printer driver for Windows or Mac OS X.

Windows PS printer driver functions

[Layout] tab

Layout Paper/Quality Job Options Color	
Derientation:	
A Portrait 🗸	
2) Page Order:	(4)
Front to Back \checkmark	
3 Page Format	=
Pages per Sheet 1 ~	
Draw Borders	
	<u> </u>
	5 Advanced
	0

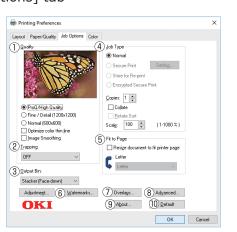
_		
	Item	Explanation
1	Orientation	Specifies the print orientation.
2	Page Order	Specifies the order of the document pages to be printed.
3	Page Format	Specifies the number of pages to be printed on 1 sheet of paper.
4	Preview window	Displays an image of the print results.
5	Advanced	You can make more advanced setups regarding the print quality and paper size.

[Paper/Quality] tab

H Printing Preference	;	
Layout Paper/Quality	Job Options Color	
Tray Selection		
Paper Source:	👹 Automatically Select	×
Media:	Printer Setting	~
	Printer Setting	· · ·
2) Color		
	_	=
	O Bla <u>c</u> k & White	Color
		3 Advanced
		OK Cance
		UK Cano

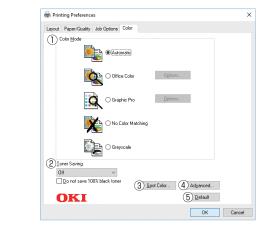
	Item	Explanation
1	Tray Selection	Specifies the tray to feed the paper.
2	Color	Specifies color or monochrome printing.
3	Advanced	You can make more advanced setups regarding the print quality and paper size.

[Job Options] tab



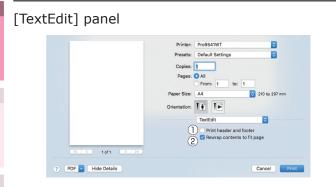
	Item	Explanation
1	Quality	Specifies the resolution during printing.
2	Trapping	Set it when white or colored stripes appear due to misalignment.
3	Output Bin	Specifies the paper output bin.
4	Job Type	Specifies the print format and quantity to be printed.
5	Fit to Page	Specifies when printing by converting the paper size of the document to be printed.
6	Watermarks	Specifies when implementing stamp printing.
7	Overlays	Specifies when implementing overlay printing.
8	Advanced	You can make other advanced print setups.
9	About	Displays the printer driver version information.
10	Default	Restores the tab settings to the default settings.

[Color] tab



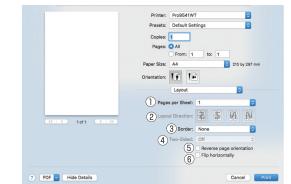
	Item	Explanation
1	Color Mode	Specifies color matching, etc., in color mode.
2	Toner Saving	Specifies the print density when economizing on toner.
3	Spot Color	Specifies when implementing Spot Color printing.
4	Advanced	You can make other advanced print setups.
5	Default	Restores the tab settings to the default settings.

Mac OS X PS printer driver functions



	Item	Explanation
1	Printing header and footer	Enable to print page numbers, dates, and text titles, etc.
2	Rewrap contents to fit page	Enable to print by aligning to the text wrapping method durign editing.

[Layout] Panel



	Item	Explanation
1	Pages per Sheet	Selects the number of pages to be printed on 1 sheet of paper.
2	Layout Direction	Specifies the layout when printing multiple pages on a single sheet of paper.
3	Border	Specifies the boundary line type.
4	Two-Sided	Specifies to use 2-sided printing.
5	Reverse page orientation	Enable to print by reversing the page orientation.
6	Flip horizontally	Enable to print by reversing left and right.

[Color Matching] panel

	Printer: Pro9541WT
	Presets: Default Settings
	Copies: 1
	Pages: O All From: 1 to: 1
	Paper Size: A4 3 210 by 297 mm
	Orientation:
	Color Matching C ColorSync In printer
	3 Profile: Automatic ©
? PDF V Hide Details	Cancel Print

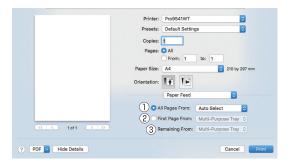
	Item	Explanation
1	ColorSync	Specifies the ColorSync function.
2	In printer	Implements printer color matching.
3	Profile	Specifies the profile.

[Paper Handling] panel



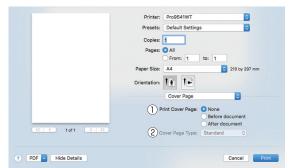
	Item	Explanation
1	Pages to Print	Specifies the pages to be printed.
2	Page Order	Specifies the order of the pages to be printed.
3	Scale to fit Paper size	Prints by aligning to the paper size. Some items may not be printed correctly depending on the setup.
4	Destination Paper Size	Specifies to print by scaling to match the size of the paper to be output.
5	Scale down only	Specifies to print by reducing only to match the size of the paper to be output.

[Paper Feed] panel



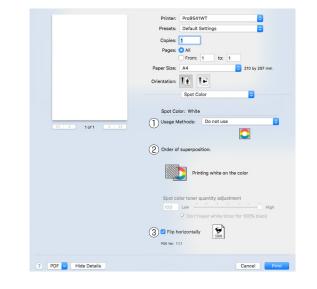
	Item	Explanation
1	All Pages From	Specifies the tray for the paper feed. The tray is selected automatically when [Auto Select] is specified.
2	First Page From	Select to print from the tray that specifies the header page.
3	Remaining From	Prints from the tray that specifies the remaining pages.

[Cover Page] panel



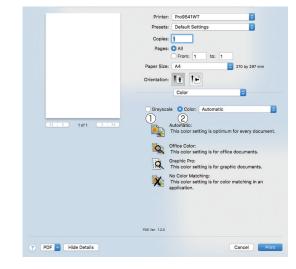
	Item	Explanation
1	Print Cover Page	Specifies cover printing.
2	Cover Page Type	Specifies the text during printing.

[Spot Color] panel



_		
	Item	Explanation
1	Usage Methods	Specifies the range of Spot Color printing.
2	Order of superposition	Specify the order of color and white layering and white size adjustment when printing the white under. (white mode only).
3	Flip horizontally	Sets when to print by reversing the horizontal orientation so that the document is as if reflected in a mirror.

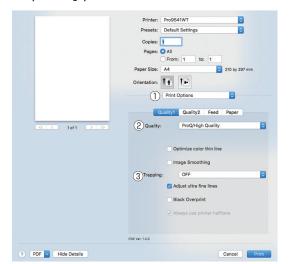
[Color] panel



	Item	Explanation
1		Specifies to use monochrome printing.
2	Color	Specifies alignment to color mode when printing in color.

[Print Options] panel

1



	Item	Explanation
1	Print Options	Specifies alignment to the items that have been set such as print quality, paper type, etc.
2	Items Setup	Specifies the setup items conforming to the print setup tab.
3	Trapping	Set it when white or colored stripes appear due to misalignment.

🖉 Memo

 This section uses [MemoPad] for its Windows explanations, and [TextEditor] for its Mac OS X explanations. Descriptions may differ depending on the applications and printer drivers used.

Reference

• For detailed explanations of the printer driver setup items, see the printer driver "Online Help".

Printing on various papers

Printing on transparencies

// Memo

- For the types of transparencies that can be used, see "Usable Paper Types" in "Basic".
- For the Multi-Purpose Tray preparations, see "Setting paper in the Multi-Purpose Tray" in "Basic".

Set the paper.

Transparencies are printed from the Multi-Purpose Tray or Tray 1.

// Memo

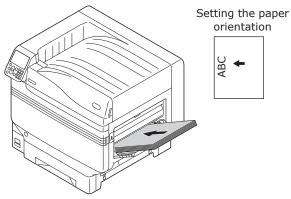
• You can print by manually feeding one page at a time from the Multi-Purpose Tray. For details, see "Printing single sheets manually" (P.45).

! Note

• Print speed will be slowed.

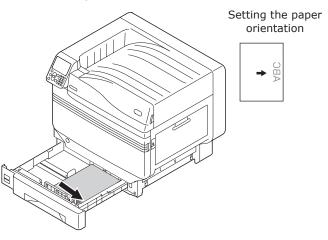
Setting in the Multi-Purpose Tray

Set the print surface face-up.



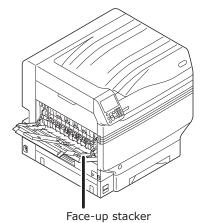
Setting in tray 1

Set the print surface face-down.



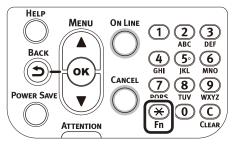
Open the face-up stacker.

Output transparencies to the face-up stacker.



- Set the paper weight, paper size, and
- paper type using the control panel.
- (1) Press the [Fn] key.

The numerical values input screen will be displayed.



3 de software 4 Config o

- (2) Enter a number according to the paper to be used.
- Using the Multi-Purpose Tray Press [9], [0], and press the [OK] button.

90. Enter 1-3digit Number	

• Using tray 1

Function Number

Enter 1-3digit Number

10

Press [1], [0], and press the [OK] button.

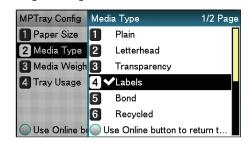
(3)	Select [A4 \square], and press the button.	[OK]

Function Number	Paper Size	1/9 Page
90.	1 A3Nobi	
Enter 1-3digi	2 A3Wide	
	3 A3	
	4 √ A4 <i>□</i> ⁄	
	5 A4 🖓	
	6 A5⊡	
	Use Online button to	return t

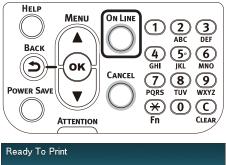
- (4) Check that ✓ is displayed to the left of [A4□], and press the [BACK] button.
- (5) Select [Media Type], and press the [OK] button.



 (6) Select [Transparency], and press the [OK] button. Check that ✓ is displayed to the left of [Transparency], and press the [BACK] button.



(7) Press the [ON LINE] button to return to the standby screen.



	ш

0

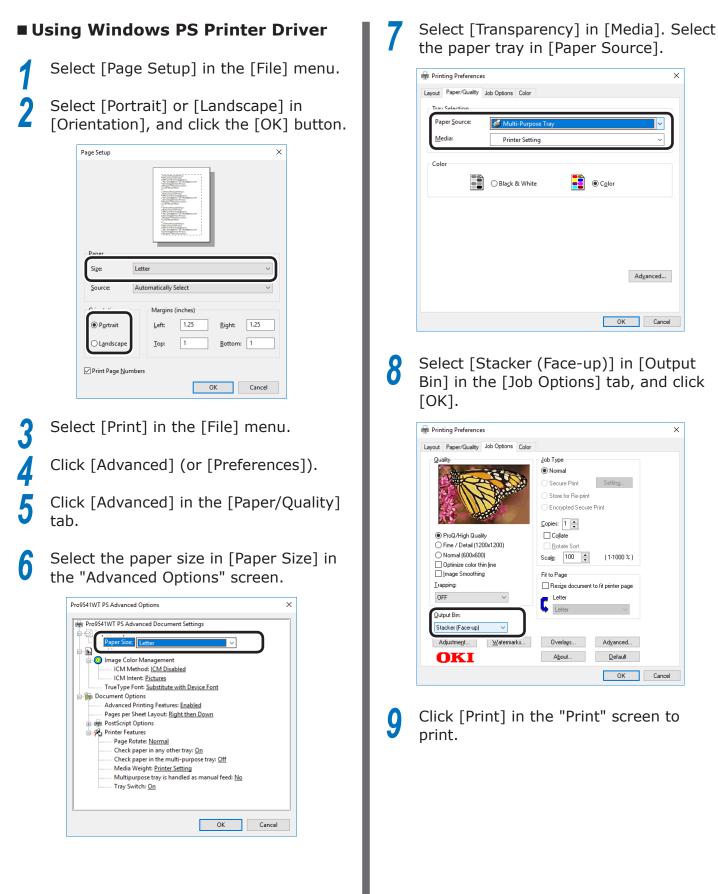
5

Open the file to be printed.

Select [Size], [Source], and [Output Bin] in the printer drivers to print.

×

×



- 19 -

2

5

■ Using Mac OS X Printer Driver

Select [Page Setup] in the [File] menu.

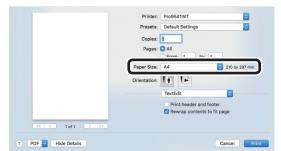
Select the printer model name in [Format For], and select the paper size in [Paper Size], and a suitable orientation in [Orientation], and click [OK].

Format For:	Pro9541WT	\$
	Pro9541WT PS	
Paper Size:	A4	\$
	210 by 297 mm	
Orientation:	1 i 1 .	J
Scale:	100%	

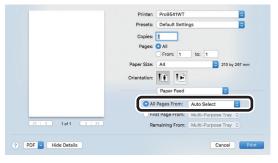
Select [Print] in the [File] menu.

Check that the printer model name is selected in [Printer].

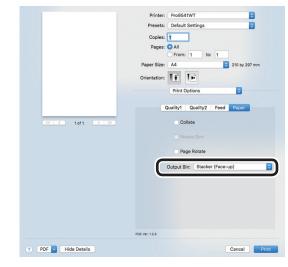
Select the paper size in [Paper Size].



6 Select the paper tray in the [Paper Feed] panel.



7 Click the [Paper] button in the [Print Options] panel, and select [Stacker (Face-up)] from [Output Bin].



8 Click [Print] to print.

Printing on user-selected paper sizes (custom pages and lengthy printing)

Register the desired paper size in the printer driver, and specify when printing.

> Sizes that can be fed from the Multi-Purpose Tray (Settable custom sizes)] Width: 64 to 330mm Length: 89 to 1321mm Sizes that can be fed from the Multi-Purpose Tray] Trays 1/2/3/4/5 Width: 99 to 330mm

Length: 147 to 457mm

! Note

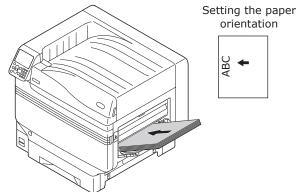
- If printing smaller paper than width 99mm and length 147mm, feed from the Multi-Purpose Tray and output to the face-up stacker.
- Set the paper size to portrait length, and set in the device.
- Not usable with some applications.
- If feeding from the Multi-Purpose Tray, support the paper manually for paper lengths that are not fully supported by the paper supporter.
- If feeding from the paper trays (tray 1, (optional) trays 2 to 5), press the scroll buttons \blacktriangle or \checkmark on the device control panel, and select [Menu]>[Tray Configuration]>[Tray1 Config]>[Paper Size]>[Custom].
- If there is no paper in the tray, setting the function to switch automatically to a tray in which paper of the same size has been set, the default settings will be enabled (i.e., the check box will be enabled). If the paper runs out during printing, paper will feed from another tray. Disable (i.e., uncheck) the check box when printing custom size paper from a designated tray only.

Set the paper.

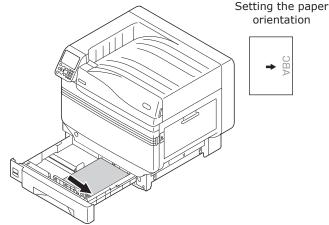
[//Memo

• You can print by manually feeding one page at a time from the Multi-Purpose Tray. For details, see "Printing single sheets manually" (P.45).

Setting in the Multi-Purpose Tray



Setting in the paper tray





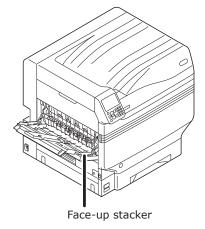


If outputting to the face-up stacker, open the face-up stacker.

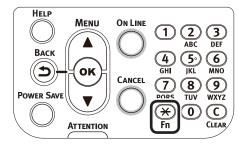
Set the print surface face-up to output.

// Memo

• You can output to the face-down stacker.



- Set the paper size and paper type using the control panel.
 - Press the [Fn] key.
 The numerical values input screen will be displayed.

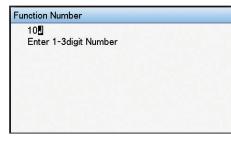


- (2) Enter a number according to the paper to be used.
- Using the Multi-Purpose Tray Press [9], [0], and press the [OK] button.

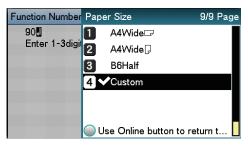
90 . Enter 1-3digit Number	

• Using tray 1

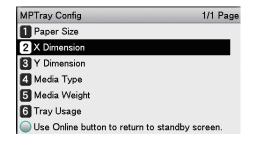
Press [1], [0], and press the [OK] button.



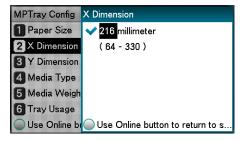
(3) Select [Custom], and press the [OK] button.



(4) Check that ✓ is displayed to the left of [Custom], and press the [BACK] button. (5) Select [X Dimension], and press the [OK] button.



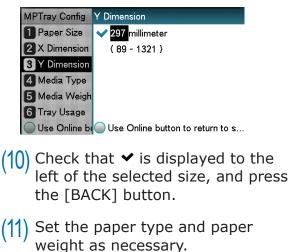
 (6) Press the scroll buttons ▲ or ▼ to select a suitable size, and then press the [OK] button.



- (7) Check that ✓ is displayed to the left of the selected size, and press the [BACK] button.
- (8) Select [Y Dimension], and press the [OK] button.

MPTray Config	1/1 Page
1 Paper Size	
2 X Dimension	
3 Y Dimension	
4 Media Type	
5 Media Weight	
6 Tray Usage	
Use Online button to return to st	tandby screen.

(9) Press the scroll buttons ▲ or ▼ to select a suitable size, and then press the [OK] button.



(12) Press the [ON LINE] button to return to the standby screen.



Register the desired paper size in the printer drivers to print.

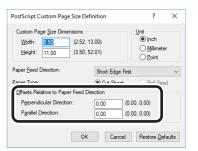
Using Windows PS Printer Driver

- Click [Start], and then select [Devices and printers].
- Right-click the [OKI (product name) (PS)]
 icon, and select [Printing Preferences]>[OKI (product name) (PS)].
 - Click [Advanced] in the [Layout] tab.
 - Select [PostScript Custom Page Size] in [Paper Size].
- 5 Enter the [Width] and [Height] in the "PostScript Custom Page Size Definition" screen.

Custom Pace Size Dimensions	Unit	
Width: 8.50 (2.52, 1) Height: 11.00 (3.50, 5)	Millimeter	
Paper Feed Direction:	Short Edge First	`
Paper <u>T</u> ype:	<u>Cut Sheet</u> <u>Roll Feed</u>	
Offsets Relative to Paper Feed Di	rection	
Perpendicular Direction:	0.00 (0.00, 0.00)	
Parallel Direction:	0.00 (0.00, 0.00)	
Talaier Direction.		

! Note

• "Offsets Relative to Paper Feed Direction" cannot be set.



- 6 Click [OK] until the "Printing Preferences" screen closes.
 - Open the file to be printed.
 - Select [Print] in the [File] menu.
 - Specify the registered paper size to print.

// Memo

<u>g</u>

• If printing is incorrect using large size paper from the PS printer drivers, you can correct the printing by setting "Normal" in [Quality].

! Note

- Custom sizes exceeding the printable range can be entered using Mac OS X, but printing will be incorrect. Set within the correct range.
- If a custom paper size with the same paper size as registered in the OS is specified, the paper may be handled as regular paper.
 - Open the file to be printed.
 - Select [Page Setup] in the [File] menu.
 - Select [Manage Custom Sizes] in [Paper Size].

	8.5 x 13
	8.5 x 13 8K 260 x 368mm
	8K 270 x 390mm 8K 273 x 394mm
	8K 273 x 394mm 13 x 18in
	16K 184 x 260mm
	16K 184 X 260mm 16K 195 x 270mm
	16K 195 x 270mm
	A3
	A3 Nobi
	A3 Nobi A3 Wide(SRA3)
	A3 WIDE(SRA3) A4
	A4 Wide(SRA4)
	A5
	A6
	Executive
	JIS B4
	JIS B5
	JIS B6
	Legal13.5
	Statement
	Tabloid
	Tabloid Oversize
	US Legal
	US Letter
	Test
-	Manage Custom Sizes

Click [+] in the "Custom Paper Sizes" screen. Double-click [Untitled], and enter a name in [Custom Paper Sizes]. Enter the [Width] and [Height] page sizes.

ntitled	Paper Size:	215.9 mm	279.4 mm
		Width	Height
	Non-Printabl	e Area:	
	User Define	ed	٥
		6.35 mm	
	6.35 mm	Тор	6.35 mm
	Left	14.11 mm	Right
		Bottom	
+ - Duplicate	_		
		Cancel	ОК

Click [OK].

h

The created paper will be displayed at the bottom of the [Paper Size] list in the [Page Properties] panel.

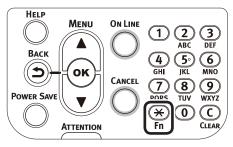
Printing will be implemented.

Using Mac OS X Printer Driver

Using custom media

This setting is used in the following cases:

- If a lateral stripe stands out in Heavy media, it may be improved by setting [Custom media]. In this case, print speed will be slower.
- When you want to print on OKI TRANSPARENCY FILM.
 - Set the paper size and paper type using the control panel.
 - (1) Press the [Fn] key. The number input screen appears.



- Input the number depending on (2) the paper tray being used.
- For the multi-purpose tray Press [9] and [0], and press the [OK] button.

Function Number	
90¶ Enter 1-3digit Number	

For Tray1

Press [1] and [0], and press the [OK] button.

Function Number
10 <mark>0</mark> Enter 1-3digit Number

Δ

- (3) Select the paper size, and press the [OK] button. Function Number Paper Size 1/9 Page 900 A3Nobi 1 Enter 1-3digil 2 A3Wide 3 A3 **4 ∕**A4⊏ 5 A4 🖓 6 A5⊡⁄ Use Online button to return t...
- (4) Check that ✓ is displayed to the left of the selected paper size, and press the [BACK] button.
- (5) Select [Media Type], and press the [OK] button.

MPTray Config	1/1 Page
1 Paper Size	
2 Media Type	
3 Media Weight	
4 Tray Usage	
Use Online button to return to standby	y screen.

(6) Select [HQFORUH1] - [HQFORUH5] or [OKITRANSFILM], and press the [OK] button.

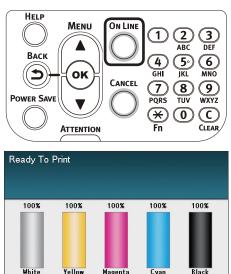
Check that \checkmark is displayed to the left of the selected [HQFORUH].



* In the default factory settings, paper types are set for [HQFORUH1] - [HQFORUH5] as shown in the following table.

Paper Type Name	Media Type	Media Weight
HQ_FOR_UH1	Plain	Ultra Heavy1
HQ_FOR_UH2	Plain	Ultra Heavy2
HQ_FOR_UH3	Plain	Ultra Heavy3
HQ_FOR_UH4	Plain	Ultra Heavy4
HQ_FOR_UH5	Plain	Ultra Heavy5
OKITRANSFILM	OKI Special settir	ng

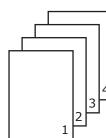
(7) Press the [ON LINE] button to return to the standby screen.

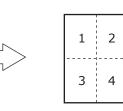


Economy printing

Printing multiple pages on a single sheet (multipage printing)

You can print by reducing data for multiple pages on a single sheet.





! Note

- This function reduces the data to print, so the center of the paper may not be accurately aligned.
- Not usable with some applications.

Using Windows PS Printer Driver

Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Select the number of pages to pr printed on a single page from [Pages per Sheet] in the [Layout] tab.

a Prin	ting Preferenc	es				×
ayout	Paper/Quality	Job Options	Color			
<u>O</u> rien	ntation:					
A	Portrait		~			
Page	O <u>r</u> der:					
From	nt to Back		~			
Pag	ge Format			_	_	.
Pag	ge <u>s</u> per Sheet	2	\sim	<u> </u>		
	Dra <u>w</u> Borders				2	
				-	-	
					1	4
						Ad <u>v</u> anced
					OK	Cancel
					UK	Cancer

0//Memo

- If using Windows 8.1/Windows 8/Windows 7/Windows Server 2012 R2/Windows Server 2012/Windows Server 2008 R2/Windows Server 2008, make sure to set [Draw Borders] as necessary. Further, you can also change the page distribution using [Advanced]>[Page Layout per Sheet].
 - Printing will be implemented.

■ Using Mac OS X Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- Select [Pages per Sheet], [Layout Direction], and [Border] in the [Layout] panel.

Printer: Pro9541WT
Presets: Default Settings
Copies: 1
Pages: All From: 1 to: 1
Paper Size: A4 210 by 297 mm
Orientation:
Layout
Pages per Sheet: 2
Border: None
Two-Sided: Off C
Reverse page orientation Flip horizontally

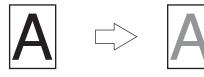
Λ

Printing will be implemented.

Δ

Test printing with toner economy (toner economy mode)

You can print by economizing the toner consumption amount by reducing the page print density. Separately set whether to enable or disable toner economy mode over 100% black.



// Memo

- You can suppress the amount of toner used by reducing the toner density by selecting one of the following four patterns as necessary.
 - Printer setup: Follows the device setup.
 - OFF: Prints using regular density without economizing the toner.
 - Save Level Low: Prints using medium light toner.
 - Save Level Middle: Prints using light toner.
 - Save Level High: Prints using considerably light toner.
- [Toner Save] is enabled only if the print quality is specified as [Normal].

! Note

• Toner save mode is not available for printing with white toner.

Using Windows PS Printer Driver

Open the file to be printed.

- Select [Print] in the [File] menu.
- Click [Advanced] (or [Preferences]).

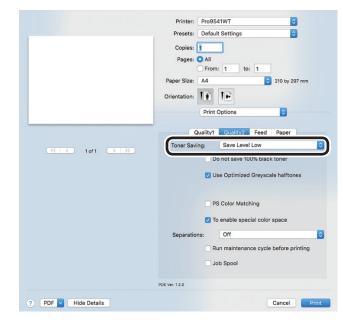
4 Select the toner save amount from [Toner Saving] in the [Color] tab.

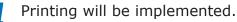
Printing Preferences	×
Layout Paper/Quality Job Options Color	
Color Mode	
O Office Color Options	
Graphic Pro Options	
○ No Color Matching	
Greyscale	
Ioner Saving: Save Level Low	
Spot Color Ady	anced
OKI Color Swatch	efault
	OK Cancel

5 Printing will be implemented.

■ Using Mac OS X Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- Click the [Quality 2] button in the [Print Options] panel, and select the toner save amount from [Toner Saving].



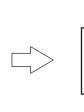


Changing sizes to print

Enlarging/reducing pages

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





A6

! Note

3

5

• Not normally operable with some applications.

Using Windows PS Printer Driver

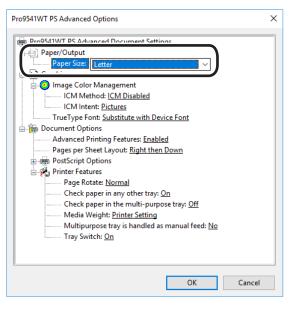
Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Click [Advanced] in the [Paper/Quality] tab.

Select the paper size to be edited in [Paper Size].



6 Enable the [Resize document to fit printer page] check box in the [Job Options] tab, and select the paper size to be printed.

ayout Paper/Quality Job Options Color	
Quality	Job Type
All the second second	Normal
	Secure Print Setting
A A A A A A A A A A A A A A A A A A A	Store for Re-print
	C Encrypted Secure Print
	Copies: 1
ProQ/High Quality	Collate
Fine / Detail (1200x1200)	Botate Sort
O Normal (600x600)	Scale: 100 🐥 (1-1000 %)
Optimize color thin line	
Image Smoothing	
<u>T</u> rapping:	Resize document to fit printer page
OFF ~	_ Letter
Output Bin:	
Stacker (Face-down) \sim	
Adjustme <u>n</u> t	Overlags Advanced
_	
OKI	About Default

7

Printing will be implemented.

■ Using Mac OS X Printer Driver

Open the file to be printed.

Select [Page Setup] in the [File] menu.

Select the printer model name in [Format For], and select the paper size to be edited in [Paper Size], and click [OK].

Pro9541WT PS Paper Size: A4 210 by 297 mm Orientation: 11 Scale: 100%	Format For:	Pro9541WT	\$
210 by 297 mm Orientation:		Pro9541WT PS	
Orientation:	Paper Size:	A4	\$
		210 by 297 mm	
Scale: 100%	Orientation:	1 i 1 >	
Scale. 100%	Scale:	100%	
		C	ancel

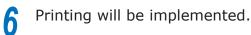
4 5

2 3

Select [Print] in the [File] menu.

Enable the [Scale to fit paper size] in the [Paper Handling] panel, and select the paper size to be edited using "Destination Paper Size".

	Printer: Pro9541WT
	Presets: Default Settings
	Copies: 1
	Pages: All From: 1 to: 1
	Paper Size: A4 210 by 297 mm
	Orientation:
	Paper Handling
	Collate pages
	Pages to Print: All pages
(< < 1 of 1 > >>)	Dana Ourlan Astanatia
	Scale to fit paper size Destination Paper Size: Suggested Paper: A4 🗘



Clean printing

Set [Quality] by aligning to the environment used.

🖉 Memo

Clean printing

- If printing is incorrect using large size paper from the PS printer drivers, you can correct the printing by setting "Normal" in [Quality].
- Select [ProQ / High Quality] to print using the highest printer quality.
 - Select [Normal (600x600 dpi)] to print at low resolution. This mode prioritizes print speed.
- [Fine/Detail(1200x1200 dpi)] is an intermediate mode between [ProQ / High Quality] and [Normal (600x600 dpi)].
- By selecting [Optimize color thin line], characters and/or lines with color will be printed sharply.

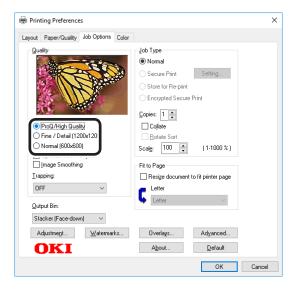
Using Windows PS Printer Driver

Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Change [Quality] in the [Job Options] tab.



Printing will be implemented.

Using Mac OS X Printer Driver

- Open the file to be printed.
 - Select [Print] in the [File] menu.
- **3** Click the [Quality 1] button in the [Print Options] panel, and change [Quality].

	Printer: Pro9541WT	
	Presets: Default Settings	
	Copies: 1	
	Pages: O All	
	O From: 1 to: 1	
	Paper Size: A4 210 by 297 mm	
	Orientation:	
	Print Options 📀	
	Quality1 Quality2 Feed Paper	
≪ < 1 of 1 > >>	Quality: ProQ/High Quality	~
	Optimize color thin line Image Smoothing	
	Trapping: OFF	0
	Adjust ultra fine lines	
	Black Overprint	
	Black Overprint Always use printer halftone	



Printing will be implemented.

Δ

Printing text and lines sharply

Print colored text and lines sharply.

UMemo

• Not suitable for photo printing.

Using Windows PS Printer Driver

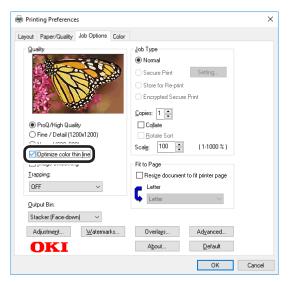
3 Δ

Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Select [Optimize color thin line] in the [Job Options] tab, and click [OK].

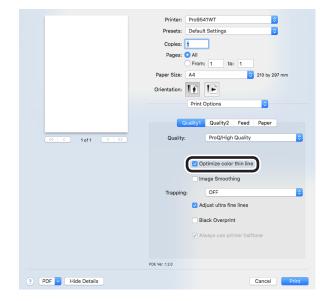


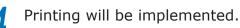
5

Printing will be implemented.

Using Mac OS X printer drivers

- Open the file to be printed.
- Select [Print] in the [File] menu.
- 2 3 Click [Quality 1] in the [Print Options] panel, and enable the [Optimize color thin line] check box.





Compensating fine lines

You can prevent misaligned lines being printed when ultra-fine lines are specified from the application. This function is normally ON.

[// Memo

• Depending on the application, bar code and other intervals will narrow. In this case, turn OFF the function.

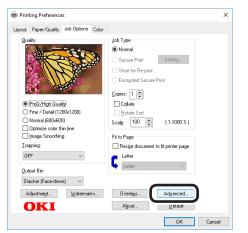
Using Windows PS Printer Driver

Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Click [Advanced] in the [Job Options] tab.



Enable the [Adjust ultra fine lines] check box, and click [OK].

Advanced X
<u>Special</u>
Mirror Print
Job Spool
MiAdjust ultra fine lines
Bun maintenance cycle before printing
OK Cancel Default

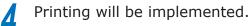


Printing will be implemented.

■ Using Mac OS X Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- 2 3 Click [Quality 1] in the [Print Options] panel, and enable the [Adjust ultra fine lines] check box.

Printer: ProB641WT Presets: Default Settings Copies:
Pages: All From: 1 to: 1 Paper Size: A4 S 210 by 297 mm
Orientation:
Quality1 Quality2 Feed Paper Cuality1 Quality2 Feed Paper Quality: ProQ/High Quality 0
Optimize color thin line Image Smoothing
Trepping: OFF C
✓ Always use printer halftone
PDE Ver. 1.2.0
PDF Hide Details Cancel Print



Using printer fonts

You can print by replacing the TrueType fonts with the fonts stored in the device.

! Note

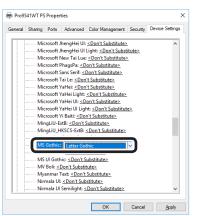
- The font replacement function stores the document fonts, but font designs cannot be reproduced. If it is necessary to print font designs accurately, disable the font replacement function.
- Some of the applications that use unique printer drivers cannot use the font replacement function easily.
- If using Windows PS printer drivers, PC administrator privileges are required.
- Cannot be used with Mac OS X printer drivers.

Using Windows PS Printer Driver

- 1 Click [Start], and then select [Devices and Printers].
- 2 Right-click the [OKI (product name) (PS)] icon, and select [Printer Properties].
- 3 4
- Select the [Device Settings] tab.

Specify the printer font to be used instead of TrueType fonts in [Font Substitution Table].

To specify a font, click the TrueType font, and select the replacement printer font from the drop-down list.



5 6 7 8

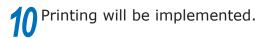
Click [OK].

Select [Print] from the [File] menu.

Click [Advanced] (or [Preferences]).

Click [Advanced] in the [Layout] tab.

9 Select [Substitute with Device Font] in [TrueType Font].



Using PC fonts

You can output TrueType fonts to the screen display as is.

! Note

1

3

Δ

5

1

- Print time may be longer.
- Cannot be used with Mac OS X printer drivers.

Using Windows PS Printer Driver

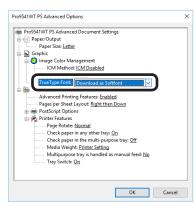
Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Click [Advanced] in the [Layout] tab.

Select [Download as Softfont] in [TrueType Font].



Idice

6

Printing will be implemented.

• Printing print results so that people cannot see them

Entering passwords to print (Secure Print)

You can save print jobs to the device HDD, and enter a password in the control panel to print.

To use this function, it is necessary to mount the (optional) HDD to the device.

! Note

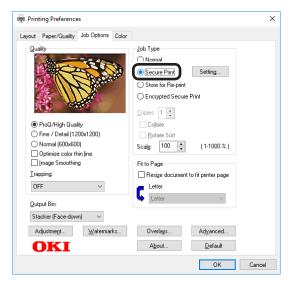
• If there is insufficient space on the option built-in HDD storing the print jobs, "File system is full" will be displayed, and printing will be disabled.

Using Windows PS Printer Driver

Open the file to be printed, and specify [Secure Print].

- (1) Open the file to be printed.
- 2) Select [Print] in the [File] menu.
- (3) Click [Advanced] (or [Preferences]).

(4) Select [Secure Print] in [Job Type] in the [Job Options] tab.

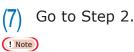


- (5) Input the "Job Name" and "Job Password" in the "JOB PIN" screen, and click [OK].
- Request Job Name for each print job When implementing printing, the screen to enter the job name will be displayed.
- Job Password Set using 4-digit figures.
- Job Name Set using up to 16 single-byte alphanumeric characters.

JOB PIN	Х
Job Name Settings	
Job <u>N</u> ame:	
<u>R</u> equest Job Name for each print job	
Personal ID Number (PIN) 1111 Enter 4 digits. Use numbers 0-9.	
OK Cancel	

(6) Printing will be implemented.

If [Request Job Name for each print job] is enabled, enter the "Job Name" in the "Enter Job Name" screen, and click [OK].



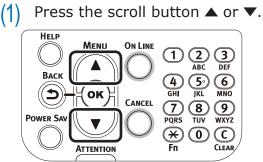
• If the user who started the secure print job has forgotten that the job exists, or has forgotten the password, the job will remain stored on the device HDD. Use the Configuration Tool to delete secure print jobs that have been left on the HDD. For details, see "Deleting unnecessary jobs from the HDD" (P.102).

■ Using Mac OS X Printer Driver

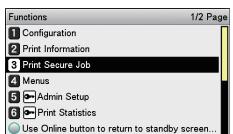
Open the file to be printed, and specify [Secure Print].

- (1) Open the file to be printed.
- (2) Select [Print] in the [File] menu.
- (3) Select [Secure Print] in [Job Type] of the [Secure Print] panel.
- (4) Input [Job Name] and [Job Password].
- (5) Print the file.
- (6) Go to Step 2.

Enter the password from the control panel to print.



(2) Select [Print Secure Job], and press the [OK] button.



(3) Select [Stored Job], and press the [OK] button.

Print Secure Job	1/1 Page
1 💽 Encrypted Job	
2 💽 Stored Job	
Use Online button to return to standby	screen.

(4) Use the 10-key pad to enter the 4-digit password for the job to be printed to start the search.



0// Memo

- If the password is entered incorrectly, press the [BACK] button, and reset.
- Press the [CANCEL] button to cancel the search.
- (5) Select [Print], and press the [OK] button.

Print Secure	Stored Job	1/1	Page
1 Encrypte	1 Print		
2 Stored			
Use Online b			

// Memo

- Select [Delete], and press the [OK] button to delete a job.
- (6) Use 10-key pad or the scroll buttons ▲ or ▼ to enter the print quantity, and press the [OK] button.

Reference

• You can use the Configuration Tool to delete the secure print job. For details, see "Deleting unnecessary jobs from the HDD" (P.102).

Printing secret text (encrypted secure print)

The print job is encrypted before being sent to the device. Consequently, leaks regarding the print details can still be prevented even if print data is stolen from the HDD or the device communications process. Further, to strengthen security even more, print jobs spooled on the HDD are either printed, or deleted after a fixed period of time has elapsed.

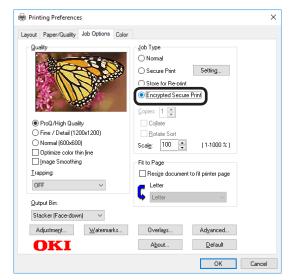
To print, it is necessary to enter the password using the control panel, so theft of the printed matter can also be prevented.

To use this function, it is necessary to mount the (optional) HDD to the device.

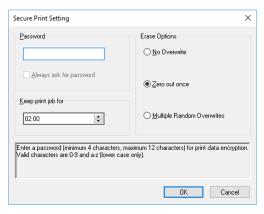
! Note

- Cannot be used with Mac OS X printer drivers.
- If there is insufficient space on the built-in HDD storing the print jobs, "File system is full" will be displayed, and printing will be disabled.
- If using Encrypted Secure Print, disable "Job Spool". For details, see "Using the printer buffer" (P.55).
- The [Print only encrypted secure print jobs] from the [Device Settings] tab in Windows 8.1/Windows 8/Windows 7/Windows Server 2012 R2/Windows Server 2012/ Windows Server 2008 R2/Windows Server 2008 with Windows PS printer drivers will be disabled.

- Open the file to be printed, and specify [Encrypted Secure Print].
 - (1) Open the file to be printed.
 - 2) Select [Print] in the [File] menu.
 - (3) Click [Advanced] (or [Preferences]).
 - (4) Select [Encrypted Secure Print] in [Job Type] in the [Job Options] tab.



(5) Input the "Password" in the "Secure Print Setting" screen, and click [OK].



• Password

Set using 4 to 12 alphanumeric characters.

 Always ask for password When implementing printing, the screen to enter the password will be displayed.

! Note

- This check box is disabled in Windows 8.1/ Windows 8/Windows 7/Windows Server 2012 R2/Windows Server 2012/Windows Server 2008 R2/Windows Server 2008. Enter the password in the "JOB PIN" screen displayed when [JOB PIN] is clicked.
- Keep print job for

Set the period in which the print job is stored on the device HDD from 5 mins, to 23 hours 59 mins. Print jobs that exceed the storage period are deleted from the HDD automatically.

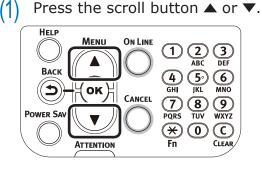
• Erase Options

Specify the method when deleting print jobs from the HDD.

- Easy method: Delete the print job from the file system. This deletion method risks the print job being recovered from the HDD, but it will delete in the shortest time.
- Overwrite using 0x00: After overwriting the specified data once, the print job is deleted. This is a safer method compared to easy deletion, but there is a risk that print jobs will be recovered using special methods.
- Overwrite 3 times: Overwrites the print job data 3 times before deleting. This is the safest deletion method, but deletion takes time.
- (6) Printing will be implemented.

If [Always ask for password] is enabled, enter the "Password" in the "Secure Print Setting" screen, and click [OK].

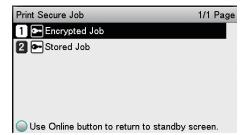
Enter the password from the control panel to print.



(2) Select [Print Secure Job], and press the [OK] button.

Functions	1/2 Page
1 Configuration	
2 Print Information	
3 Print Secure Job	
4 Menus	
5 🗲 Admin Setup	
6 Print Statistics	
Use Online button to return to standby se	creen

(3) Select [Encrypted Job], and press the [OK] button.



(4) Enter the print job password using either the 10-key pad or the input screen, and click the [OK] button to start the search.



🖉 Memo

- If the password is entered incorrectly, press the [BACK] button, and reset.
- Press the [CANCEL] button to cancel the search.
- (5) Select [Print], and press the [OK] button.

Print Secure .	Encrypted Job	1/1	Page
1 Encrypte	1 Print		
2 Stored .			
🔵 Use Online b			

🖉 Memo

- Select [Delete], and press the [OK] button to delete a job.
- All jobs that match the password will be printed in the order they are received by the device.

🖉 Memo

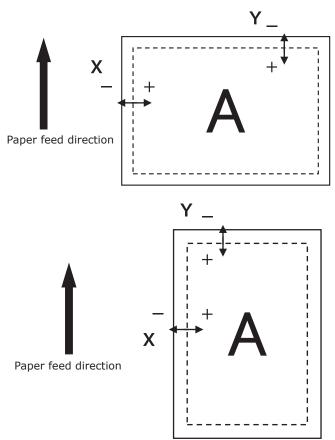
- After implementing Encrypted Secure Print, the files used in printing are deleted using the specified deletion method. While a file is being deleted, the message "Deleting Encrypted Job" will be displayed.
- If data is lost during transfer or data falsification is detected, the message [To turn off the display, press OK] will be displayed.

Correcting the Print Position on the Paper Using the Control Panel

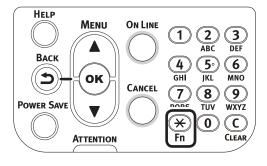
Correcting the print start position

You can correct the print start position vertically and horizontally on the paper for each tray.

Please refer to the following procedure.



Press the [Fn] key. The numerical values input screen will be displayed.



Press the function number of the tray you want to correct, and press the [OK] button.

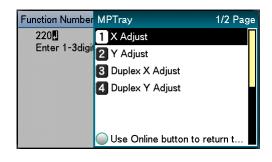
Functio	n Numbe	r		
Ent	er 1-3dig	it Numb	er	

🖉 Memo

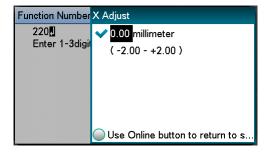
• The corresponding function numbers for each tray are listed below.

Target Tray	Function No.
MPTray	220
Tray1	221
Tray2	222
Tray3	223
Tray4	224
Tray5	225

Press the scroll button \blacktriangle or \checkmark to select the item to correct.



Press the [OK] button.



5 Press the scroll button ▲ or ▼ to select the adjustment amount, and press the [OK] button. Check that ♥ is displayed to the left of the selected value.

Function Number	X Adjust
220	✓ +0.50 millimeter
Enter 1-3digi	(-2.00 - +2.00)
	Use Online button to return to s

6 Press the [ON LINE] button to return to the standby screen.

! Note

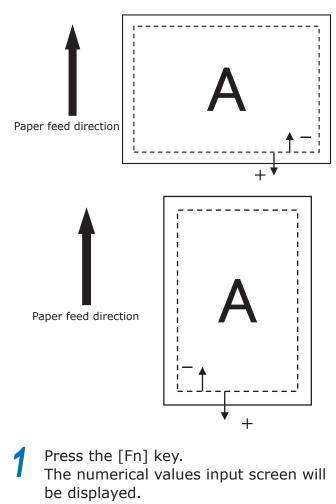
- Y describes the paper feed direction and X describes its orthogonal position.
- Correct with [+] to widen the blank space in the X direction, and [+] to widen the blank space in the Y direction.
- Readjustment might be necessary depending on the usage conditions (temperature and humidity/media type).
- This function corrects the position and does not improve the writing start position (±2mm).

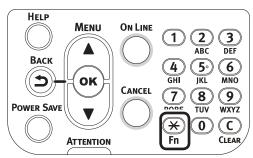
Adjusting the Image Stretch (Print Length) Using the Control Panel

Adjusting the stretch of print results

You can adjust the stretch of print results on the paper feed direction.

Please refer to the following procedure.





Press the function number of the tray you want to adjust, and press the [OK] button.

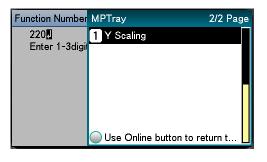
Fun	ction	Numl	ber				
_	l Enter	1-3d	ligit N	lumb	er		

🖉 Memo

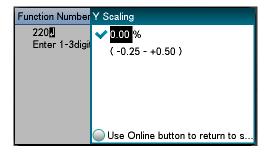
• The corresponding function numbers for each tray are listed below.

Tray	Function No.
MPTray	220
Tray1	221
Tray2	222
Tray3	223
Tray4	224
Tray5	225

Press the scroll button \blacktriangle or \checkmark to select [Y Scaling].



Press the [OK] button.



1 impresión útiles 2 Concordar 3 de software 4 Config de red

5 Press the scroll button ▲ or ▼ to select the adjustment amount, and press the [OK] button. Check that ♥ is displayed to the left of the selected value.

Function Number	Y Scaling
220. Enter 1-3digit	+0.10 <mark>%</mark>
	(-0.25 - +0.50)
	Use Online button to return to s

6 Press the [ON LINE] button to return to the standby screen.

! Note

- Adjust with [+] to enlarge the print result on the feed direction of the paper and [-] to reduce.
- Refer to "Correcting the print start position" (P.39) for correcting the print start position of the paper edge.
- Readjustment might be necessary depending on the usage conditions (temperature and humidity/media type).
- This function adjusts the scale of image and does not improve the image scale precision (±1mm/100mm).
- Over-enlarging the print result may stain the back of the paper.

Advanced print functions

Setting the page order

Extracts in page order when printing documents with multiple pages.

There are two methods.

Printing documents in page order

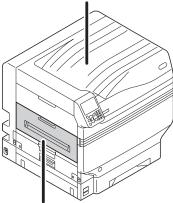
The printed documents are output face-down.

Open the document to be printed.
 Specify the face-down stacker as the Output Bin to print.

! Note

• For paper weights with GSM 320 to 360g/m² (ream weight 275 to 310kg), custom size paper with a length less than 147mm, and transparencies, make sure to open the face-up stacker and output the documents face-up.

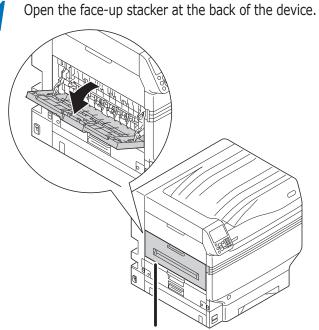
Face-down stacker



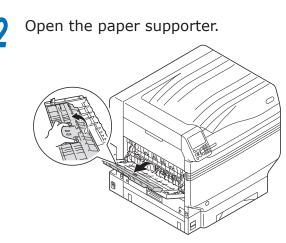
Face-up stacker

Printing documents in reverse page order

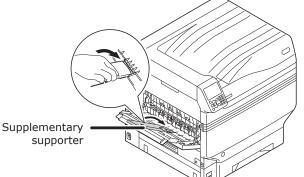
The printed documents are output face-up.







3 Rotate the auxiliary supporter in the direction of the arrow into the lock position.



Using Windows PS Printer Driver

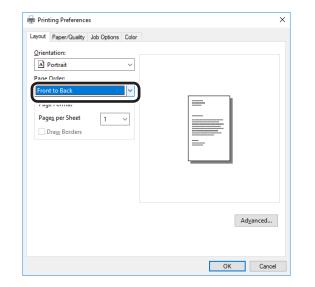
Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Select [Stacker (Face-up)] in [Output Bin] in the [Job Options] tab.

Select [Front to Back] in [Page Order] in the [Layout] tab.





Printing will be implemented.

! Note

• If the [Page Order] item is not displayed, right-click the [OKI (printer name) (PS)] in the [Devices and Printers] folder, and enable [Enable advanced printing features] in [Printer Properties]>[Advanced] tab.

■ Using Mac OS X Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- Click the [Paper] button on the [Print Options] panel.
- 4 Select [Stacker (Face-up)] in [Output Bin].
- 5

Select [Reverse] in [Page Order] in the [Paper Handling] panel.

	Printer: Pro9541WT
	Presets: Default Settings
	Copies: 1
	Pages: 💽 All
	O From: 1 to: 1
	Paper Size: A4 210 by 297 mm
	Orientation:
	Paper Handling
	Collate pages
	Pages to Print: All pages
	Page Order: Reverse 🗘
	- ocale to itt paper size
	Destination Paper Size: Suggested Paper: A4 🗘
	Scale down only
? PDF V Hide Details	Cancel Print

6

Printing will be implemented.

4

5

Printing single sheets manually

You can print single pages individually by setting the paper in the Multi-Purpose Tray. A message to set the paper in the Multi-Purpose Tray will be displayed on the control panel screen for each page to be printed. To continue printing, select [Restart print].

Set the paper in the Multi-Purpose Tray.

Open the file to be printed.

Set the manual printing using the printer drivers, and press the [OK] button on the control panel to print.

Using Windows PS Printer Driver

Open the file to be printed.

Select [Print] from the [File] menu.

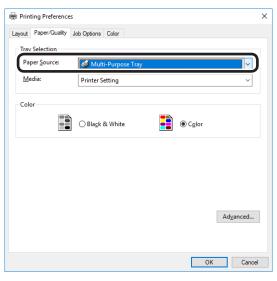
Click [Advanced] (or [Preferences]).

Select the [Paper/Quality] tab.

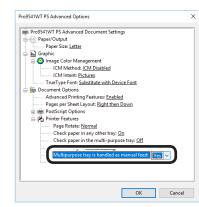
5

6

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



Click [Multipurpose tray is handled as manual feed], and select [Yes] from the drop-down list.



Click [OK].

9 Make other settings as necessary to print.

10 When a message to set the paper in the Multi-Purpose Tray is displayed in the control panel LCD, set a single sheet, and press the [OK] button.

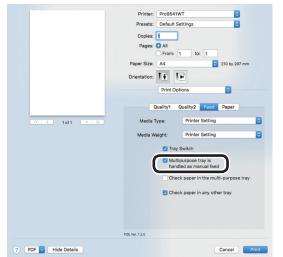
When printing multiple-page documents, the same message will be displayed for each page.

Using Mac OS X Printer Driver

- Open the file to be printed.
 - Select [Print] from the [File] menu.
- Open the [Paper Feed] panel, and select [Multi-Purpose Tray] in [All Pages From].

	Printer: Pro9541WT
	Presets: Default Settings
	Copies: 1
	Pages: All From: 1 to: 1
	Paper Size: A4 210 by 297 mm
	Orientation:
	Paper Feed
	• All Pages From: Multi-Purpose Tray ᅌ
	mitst Hage From: Multi-Purpose Tray 😜
<pre></pre>	Remaining From: Multi-Purpose Tray 0
2 PDF Hide Details	Cancel Print

4 Click the [Feed] button in the [Print Options] panel, and enable [Multipurpose tray is handled as manual feed].



Make other settings as necessary to print.

Multi-Purpose Tray is displayed in the

control panel LCD, set a single sheet,

documents, the same message will be

and press the [OK] button.

displayed for each page.

When printing multiple-page

When a message to set the paper in the

. Config de 5

5

6

Apéndice

Automatically selecting trays

The tray matching the paper size set using the printer drivers (tray 1, (optional) trays 2 to 5, or Multi-Purpose Tray) will be selected automatically for printing.

! Note

3

Δ

- Set the paper size and paper type for tray 1, (optional) trays 2 to 5, and the Multi-Purpose Tray using the control panel. For detailed, see "Setting paper" in "Basic".
- Using Windows PS Printer Driver
 - Open the file to be printed.
 - Select [Print] in the [File] menu.
 - Click [Advanced] (or [Preferences]).

Select [Automatically Select] in [Paper Source] in the [Paper/Quality] tab.

Trav Selection	1		
Paper <u>S</u> ource:	of Automatically Sele	ct	×
ivieuia:	Printer Setting		~
Color			
	Bla <u>c</u> k & White		
			Ad <u>v</u> anced.

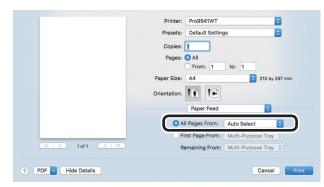
1

■ Using Mac OS X Printer Driver

Open the file to be printed.

Select [Print] in the [File] menu.

Select [Auto Select] in [All Pages From] in the [Paper Feed] panel.



Λ

3

Printing will be implemented.

Printing only covers from a separate tray (cover printing)

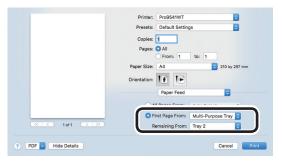
When printing multiple-page documents, you can print just the 1st page from a separate tray. Use to create covers by changing the paper color and weight of the 1st page.

! Note

• Cannot be used with Windows PS printer drivers.

■ Using Mac OS X Printer Driver

- Open the file to be printed.
 - Select [Print] in the [File] menu.
- Enable the [First Page From] in the [Paper Feed] panel, and select each paper feed method from [First Page From] and [Remaining From].





Stamping and printing (watermarks)

The details to be printed from the application can be independently printed overlaying [Samples], [Confidential], etc.





! Note

1

• Cannot be used with Mac OS X printer drivers.

Using Windows PS Printer Driver

! Note

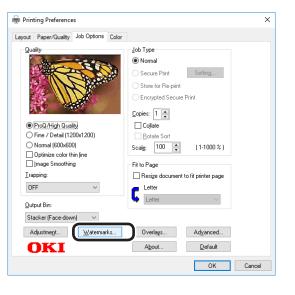
- The default settings print by overlaying watermarks on the text and diagrams in the document. To print watermarks under the text and diagrams, enable the [Background] check box in the [Watermarks] dialog box.
- Enable the [Background] check box to not print watermarks depending on the application. In this case, disable the [background] check box.

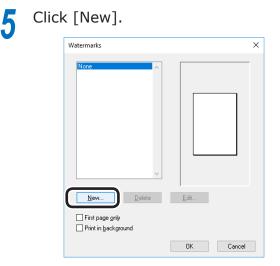
Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Click [Watermarks] in the [Job Options] tab.





6 Enter [Text] in the "Watermarks" screen, and set another [Size].

∐ext	
Secret Information	
Size 72 > Angle 45 > -180 0 +180 Eont Color	Seod Homaion
Boyder None Circle Single Frame	Position Center ✓ Watermark Adjustment ⊠0 ♀ Y 0 ♀



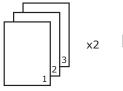
Printing will be implemented.

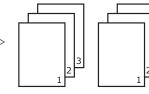
Δ

Collate (sort printing)

You can store print jobs in the device memory and collate the printing.

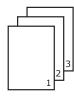
Printing by specifying batches

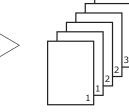




Printing without specifying batches

x2





! Note

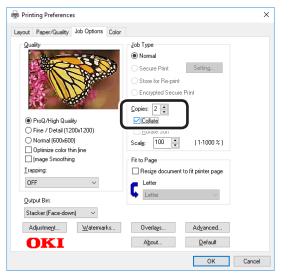
• Not usable with some applications.

Using Windows PS Printer Driver

! Note

- Turn OFF the batch printing function in the application.
 - Open the file to be printed.
 - Select [Print] in the [File] menu.
 - Click [Advanced] (or [Preferences]).

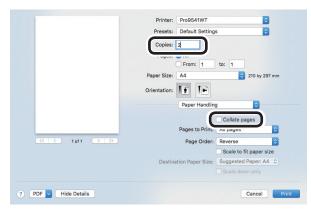
Enter the print quantity in [Copies] in the [Job Options] tab, and enable the [Collate] check box.



Printing will be implemented.

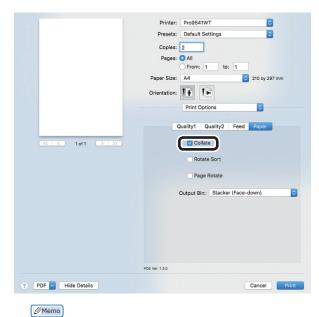
Using Mac OS X Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- Disable [Collate pages] in the [Paper Handling] panel or print dialog box, and enter the print quantity in [Copies].



Click the [Paper] button in the [Print Options] panel, and enable the [Collate] check box.

2



• If [Collate pages] is enabled in the [Print Handling] panel, do not use the device memory when printing.

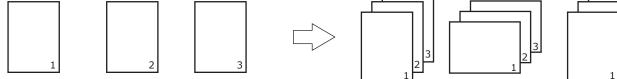
Outputting portrait and landscape alternately using batch printing

When outputting for each batch, you can output the pages in portrait and landscape orientations alternately.

As you can output portrait and landscape alternately, it is easy to arrange print jobs with multiple pages.



1



3rd

🖉 Memo

23

- To use the portrait and landscape output function, it is necessary to mount the (optional) HDD to the device.
- Prepare the paper for portrait and landscape in the paper feed tray beforehand.
- The usable paper sizes are described below.
 - A4Wide, A4, A5, B5, letter, 16K (184 x 260mm), 16K (195 x 270mm), 16K (197 x 273mm)

Using Windows PS Printer Driver

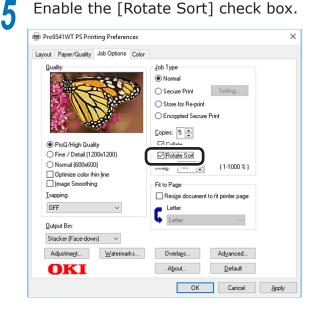
Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Enter the print quantity in [Copies] in [Job Options], and enable the [Collate] check box.

Enable the [Rotate Sort] check box.





Printing will be implemented.

Using Mac OS X Printer Driver

2nd

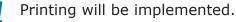
1st

Open the file to be printed.

Select [Print] in the [File] menu.

3 Enter the print quantity in the print quantity, and then click the [Paper] button in the [Print Options] panel, and enable the [Collate] and [Rotate Sort] check boxes.







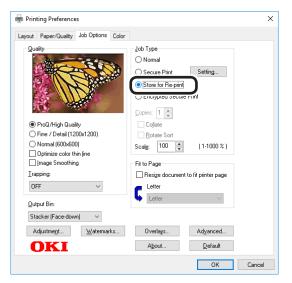
You can save print data to the device HDD, and enter a password in the control panel to repeat printing several times.

! Note

- If there is insufficient space on the built-in HDD storing the print jobs, "File system is full" will be displayed, and printing will be disabled.
- Cannot be used with Mac OS X printer drivers.

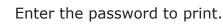
Save the job to the printer.

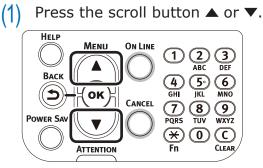
- (1) Open the file to be printed.
- (2) Select [Print] in the [File] menu.
- (3) Click [Advanced] (or [Preferences]).
- (4) Select [Store for Re-print] in [Job Type] in the [Job Options] tab.



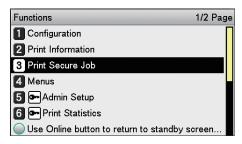
- Input the "Job Name" and (5) "Personal ID Number" in the "JOB PIN" screen, and click [OK]. • Request Job Name for each job When printing is implemented, a screen to enter the job name will be displayed. Personal ID Number Set using 4 digits. Job Name Set using up to 16 single-byte alphanumeric characters. JOB PIN × Job Name Settings Job Name: Request Job Name for each print job Personal ID Number (PIN) 1111 Enter 4 digits. Use numbers 0-9. OK Cancel
- (6) Printing will be implemented.

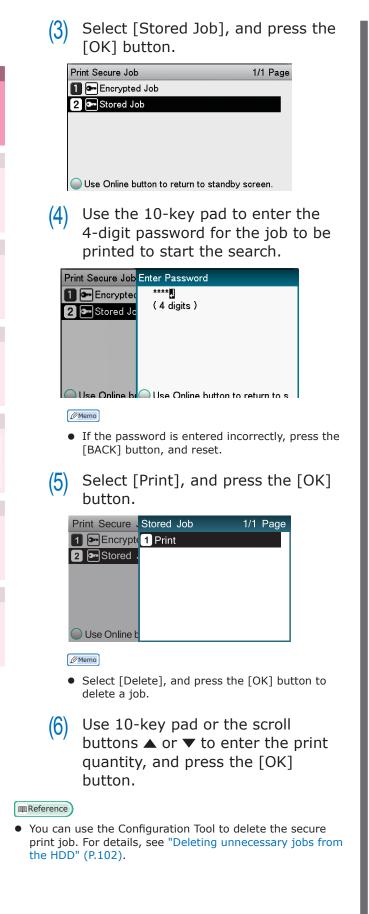
If [Request Job Name for each print job] is enabled, enter the "Job Name" in the "Job PIN" screen, and click [OK].





(2) Select [Print Secure Job], and press the [OK] button.





Printing using registered forms (overlay printing)

You can register forms, logos, etc., as forms to the device, and overlay for printing.

! Note

- Cannot be used with Mac OS X printer drivers.
- For how to set up the Configuration Tool, see "Configuration Tool" (P.95).
- If using Windows PS printer drivers, PC administrator privileges are required.

🖉 Memo

• Overlay is the form group. You can register 3 forms to 1 overlay. Forms and overlays are overlaid in the order of registration.

Using Windows PS Printer Driver

Create and register the form to the device.

For details, see "Registering forms (form overlay)" (P.101).

- 2 Register the form to the printer drivers to print.
 - (1) Click [Start], and then select [Devices and Printers].
 - Right-click the [OKI (product name) (PS)] icon, and select [Printing Preferences]>[OKI (product name) (PS)].
 - (3) Select the [Job Options] tab.
 - (4) Click [Overlays].
 - (5) Select [Use Overlays] from the drop-down list, and click [New].

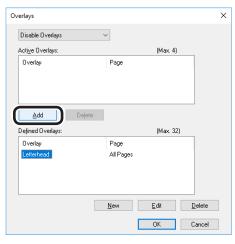
Overlays				×
Disable Overlays	~			
Active Overlays:			(Max. 4)	
Overlay		Page		
Add	Dejete			
	,			
Defined Overlays:			(Max. 32)	
		Page	(Max. 32)	
Defined Overlays:		Page	(Max. 32)	7
Defined Overlays:		Page	(Max. 32)	
Defined Overlays:		Page	(Max. 32)	
Defined Overlays:				
Defined Overlays:			(Max. 32)	 Delete
Defined Overlays:				Delete Cancel

- 52 -

- (6) Enter the form name registered using the Configuration Tool in [Form Name], and click [Add].
- (7) Enter the [Overlay Name], and select the page to which the overlay will be applied using [Print on Pages]. If specifying the page to be applied, select "Form Name", and enter the pages for application in [Custom Pages].

Def	ine Overlays			×
Ē	Diverlay <u>N</u> ame: Letterhea Print on Pages: All Page Qustom Pages:	\$	~	
	nter page numbers and / or example, 1,3,5-12	or page ranges si	sparated by commas	
	Form settings			
	Form Name:		~	
		Add	<u>R</u> ename	
	Defined Forms:			
			<u>D</u> elete	
		OK	Cancel	

- (8) Click [OK].
- (9) Select the overlay to be used from the [Defined Overlays] list, and click [Add].



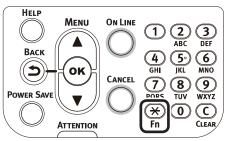
- (10) Click [OK].
- (11) Click [OK] to close the print setup dialog box.
- (12) Open the file to be printed from the application.
- (13) Printing will be implemented.

Automatically switching trays

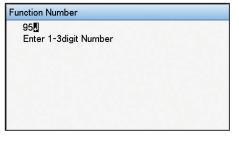
If the same paper is set in tray 1, (optional) trays 2 to 5, and the Multi-Purpose Tray, you can print continuously from other trays if paper in the current print tray runs out.

! Note

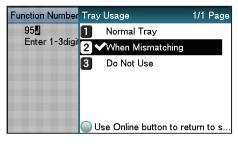
- Match the paper tray paper weight, paper type, and the Multi-Purpose Tray paper size, paper weight, and paper type using the control panel. For detailed, see "Setting Paper" in "Basic".
 - Set how to use the Multi-Purpose Tray using the control panel.
 - (1) Press the [Fn] key.
 - The numerical values input screen will be displayed.



(2) Press functions numbers [9], [5], and press the [OK] button.



(3) Select [When Mismatching], and press the [OK] button. Check that
 ✓ is displayed to the left of [When Mismatching].





Set [Auto Tray Switch] in the printer overlay.

Using Windows PS Printer Driver

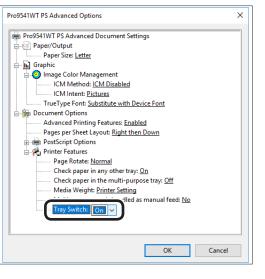
Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Click [Advanced Options] in the [Layout] tab.

Select [On] in [Tray Switch].



Printing will be implemented.

■ Using Mac OS X Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- Click the [Feed] button in the [Print Options] panel, and enable the [Tray Switch] check box.

	Printer: Pro9541WT S Presets: Default Settings S Copies: 2
	Pages: All From: 1 to: 1
	Paper Size: A4 📀 210 by 297 mm
	Print Options 📀
✓ ✓ 1of1 >>>>	Quality1 Quality2 Feed Paper Media Type: Printer Setting
	Media Weight: Printer Setting 🔾
	Tray Switch Multipurpose tray is handled as manual feed
	Check paper in the multi-purpose tray
	Check paper in any other tray
	PDE Ver. 1.2.0
? PDF V Hide Details	Cancel Print



Printing will be implemented.

3

Δ

5

6

Using the printer buffer

You can quickly free the printer from largequantity jobs and complex jobs by saving print jobs to the device HDD.

! Note

- If there is insufficient space on the option built-in HDD storing the print jobs, "File system is full" will be displayed, and printing will be disabled.
- The time to print completion will be slower than if not spooling.
- Cannot be used with Mac OS X printer drivers.

// Memo

• If the device is in print standby, print without using the printer buffer.

Using Windows PS Printer Driver

Select [Print] in the [File] menu.

Open the file to be printed.

Click [Advanced] (or [Preferences]).

Click [Advanced] in the [Job Options] tab.

Printing Preferences	×
Layout Paper/Quality Job Options Color	
Quality Pro2/High Quality Pro2/High Quality Pro / Detail (1200x1200) Optimize color thin Jine Image Smoothing Imape Smoothing	Job Type Normal Secure Print Store for Re-print Encoppled Secure Print Collate Collate Rotate Sort Scalg: 100 (1-1000 %) Fit to Page Resize document to fit printer page Letter Letter Overlays Adgout
	OK Cancel

5 Enable the [Job Spool] check box.





Outputting to file without printing

You can write and save to a file without printing the print data.

! Note

3

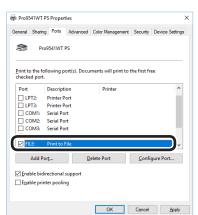
Δ

1

• PC administrator privileges are required.

Using Windows PS Printer Driver

- Click [Start], and then select [Devices and Printers].
- 2 Right-click the [Pro9541WT(PS)] icon, and select [Printing Preferences].
 - Select the [Ports] tab.
 - Select [FILE:] from the port table, and click [OK].



5

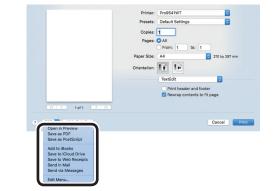
6

Printing will be implemented.

Enter the file name, and click [OK].

Using Mac OS X Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- 3 Click [PDF], and select the save method.



4 Enter in [

Enter the file name to be saved in [Name], and select the save destination, and click [Save].

5

Downloading PostScript files

PostScript files can be downloaded to the device and printed.

! Note

- This function cannot be used when using TCP/IP networks only.
 - Start the OKI LPR utility.
 - Select [Download] from the [Remote print] menu.
- 3 Select the file to be downloaded, and click [Open].

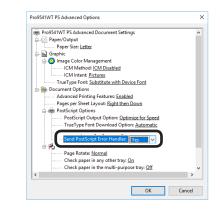
When the download has finished, the PostScript file will be printed.

Printing PostScript errors

You can print the error details if a PostScript error occurs.

Using Windows PS Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- Click [Advanced] (or [Preferences]).
- Click [Advanced] in the [Layout] tab.
- 5 Select [Yes] in [PostScript Options]>[Send PostScript Error Handler].





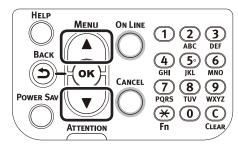
2

3

Changing settings for mono printing

You can select a mono printing mode you want to use.

Press the scroll button \blacktriangle or \blacktriangledown .



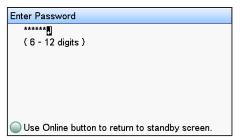
Select [Admin Setup], and press the [OK] button.

Functions	1/2 Page
1 Configuration	Π
2 Print Information	
3 Print Secure Job	
4 Menus	
5 💽 Admin Setup	
6 💽 Print Statistics	
Use Online button to return to standby s	screen

Enter the administrator password, and press the [OK] button.

🖉 Memo

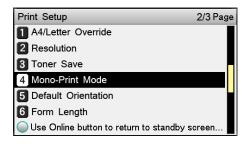
• In the default factory settings, the administrator password is [aaaaaa].



Select [Print Setup], and press the [OK] button.

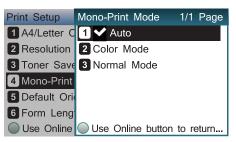
Admin Setup 1.	/3 Page
1 USB Setup	
2 Print Setup	
3 PS Setup	
4 PCL Setup	
5 XPS Setup	
6 IBM PPR Setup	
Use Online button to return to standby scre	een

5 Select [Mono-Print Mode], and press the [OK] button.

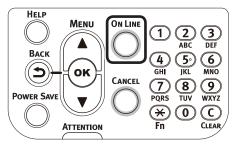


Check that \checkmark is displayed to the left of the selected mode.

6



Press the [ON LINE] button to return to the standby screen.





1

Changing the default printer driver settings

It is convenient to set frequently used settings as the default settings.

Using Windows printer drivers

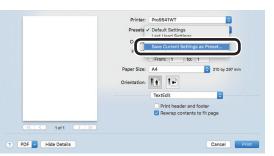
- 1 Click [Start], and then select [Devices and Printers].
- 2 Right-click the [Pro9541WT(PS)] icon, and select [Printing Preferences].
- **?** Check the settings, and click [OK].

■ Using Mac OS X Printer Driver

Select [Print] in the [File] menu.

- Open the file to be printed.
- 1 2 3 4
- **3** C
 - Change the settings.

Select [Save Current Settings as Preset] in [Presets], and enter a suitable settings name in the "Save Preset" window, and click [OK].



5 Click [Cancel].

! Note

• Select the settings name saved in [Preset] to print.

Deleting or updating printer drivers

Deleting the printer drivers

Using Windows

! Note

- PC administrator privileges are required.
- When Windows starts, restart the PC.

Click [Start], and then select [Devices and Printers].

Right-click the [Pro9541WT(PS)] icon, and select [Delete Device].

! Note

• If any print queues remain, select [Delete Print Queue]>[Pro9541WT(PS)].

If a verification message is displayed, click [Yes].

! Note

Δ

6

 If a message is displayed while the device is in use, restart the PC, and implement Steps 1 and 2 again.

Select one of the icons in [Devices and Printers], and click [Print Server Properties] in the top bar.

Select the [Drivers] tab.

Click if [Change Driver Settings] is displayed.

Select the driver to be deleted, and click [Remove].

			-					
oms	Ports	Drivers	Security	Advanced				
	D	ESKTOP-	F831E1I					
Insta	lled <u>p</u> rin	iter drive	s:					
Ma	me			Drocerror	Tune			
Pro	9541WT	PS		x64	Туре	3 - User Mod	le	
	Add		r Settings	<u>R</u> emove		Prop	erties	

8 If a message asking whether to delete the drivers only, or the drivers and packages from the system, select to delete drivers and packages, and click [OK].

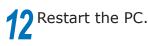
Remove Driver And Packag	ge
-	the driver(s) only, or remove ackage(s) from your system?
O <u>R</u> emove driver onl	ly.
Remove driver and	d driver package.
ОК	Cancel

- If a verification message is displayed, click [Yes].
- If the [Remove driver and driver package] dialog box is displayed, click [Cancel]>[OK].

! Note

9

- To cancel deletion, restart the PC, and implement Steps 4 and 10 again.
- Click [Close] in the [Print Server Properties] dialog box.



! Note

 The Network Extension and PS Gamma Adjuster installed together with the printer drivers are not deleted even if the printer drivers are deleted.
 If deleting the Network Extension and PS Gamma Adjuster, delete from [Control Panel]>[Uninstall Program].

Using Mac OS X

- Delete the printer name from the printer list.
 - (1) Select [Apple Menu]>[System Preferences].
 - (2) Click [Print & Scan]. Select the printer name, and click [-].



(3) Close [System Preferences].

2 Del

Delete (uninstall) using the installer.

- Set the "Software DVD-ROM" in your Macintosh.
- (2) Double-click the [OKI] icon.
- (3) Open the [Driver] folder.
- (4) Double-click [Uninstaller].
- (5) Follow the on-screen instructions to enter the administrator password, and click [OK] until the uninstaller closes.

		Uninstalle	er	
Do you want to I	Uninstall ?			
Printer Name :	Pro9541WT PS			
		Cancel	ок	
		Cancel	OK	

- (6) Click [Finish].
- (7) Remove the "Software DVD-ROM" from the computer.

Updating the printer drivers

Using Windows

! Note

- PC administrator privileges are required.
- When Windows starts, restart the PC.

Network connections

- Set the "AutoPlay". When the "play automatically" window
- is displayed, click [Run Setup.exe].
- When the "User Account Control" window is displayed, click the [Yes] button.
- **4** Read the "Software License Agreement", and click the [Accept] button.
- 5 Read the "Environmental advice for Users", and click the [Next] button.
- 6 Select the printer to be used, and then click the [Next] button.
 - Select [USB connection], and click the [Next] button.
- 8 Click [Custom Install].
 - Click [Switch to separate screen.].
 - Click the driver to be installed.
 - Click [Next] in the "Check before install" screen.
- 12 If the "Check installation" screen is displayed, select the printer to be installed, and click [Next].

13 Select the installation method, and click the [OK] button.



 Updating obsolete drivers, and installing new drivers

Update the obsolete printer drivers, and then install the new printer drivers. A new printer icon will be created as "Copy 1" in addition to the icon for the obsolete printer drivers.

 Deleting obsolete drivers, and installing new drivers
 Delete the obsolete printer drivers and printer icons, and then install the new

printer icons, and then install the new printer drivers.

! Note

• If multiple printer drivers have been installed, delete all the printer drivers. If installing multiple printer drivers, reinstall.

Click [Next] in the "Finish installation" screen.

□ USB connections

Set the "AutoPlay".

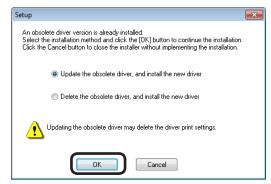
- When the "play automatically" window is displayed, click [Run setup.exe].
- When the "User Account Control" window is displayed, click the [Yes] button.
- 4 Read the "Software License Agreement", and click the [Accept] button.
- 5 Read the "Environmental advice for Users", and click the [Next] button.
- 6 Select the printer to be used, and then click the [Next] button.
 - Select [USB connection], and click the [Next] button.
 - Click [Custom Install].

Click [Switch to separate screen.].

Click the driver to be installed.

Click [Next] in the "Check before install" screen.

12 Select the installation method, and click the [OK] button.



 Updating obsolete drivers, and installing new drivers

Update the obsolete printer drivers, and then install the new printer drivers. A new printer icon will be created as "Copy 1" in addition to the icon for the obsolete printer drivers.

 Deleting obsolete drivers, and installing new drivers
 Delete the obsolete printer drivers and printer icons, and then install the new printer drivers.

! Note

• If multiple printer drivers have been installed, delete all the printer drivers. If installing multiple printer drivers, reinstall.

13 Connect the printer to the PC. If a screen prompting you to turn ON the printer power supply is displayed, connect the device and PC using a USB cable, and turn ON the device.

Click [Complete] in the "Install completed" screen.

■ Using Mac OS X

Delete the device from the [Printer List], and uninstall the printer software using the installer. For details, see "Deleting the printer drivers" (P.60).

Reinstall the printer software. See the "Basic" for details.

■ Memo

1

2

Matching Colors

Matching colors using the control panel66
Matching Colors Using the Printer Drivers
Matching Colors Using Utilities

- 65 -

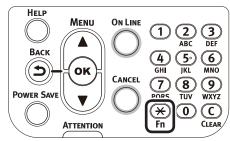
Matching colors using the control panel

Manually compensating color drift

The printer compensates color drift automatically according to the conditions of use. If the color drift is a nuisance, you can also implement compensation manually.

Press the [Fn] key.

The numerical values input screen will be displayed.

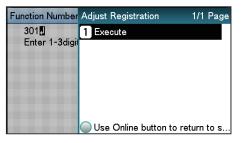


Press [3], [0], [1], and then press the [OK] button.

Functior	Number				
301]				
Ente	r 1-3digit	Numbe	r		

Index

Check that [Execute] has been selected, and press the [OK] button.



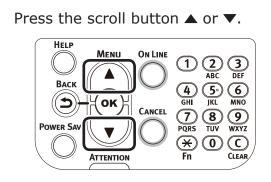
The display will return to the standby screen.

Ready To	Print			
100%	100%	100%	100%	100%
White	Yellow	Magenta	Cyan	Black

Automatically compensating density and gradation

The printer compensates density automatically according to the conditions of use. To compensate automatically, turn [On] the density compensating matching setting.

In the default factory settings, density compensating matching is implemented automatically.



2 Select [Calibration], and press the [OK] button.

Functions 2/2 Pag	je
1 Calibration	
Use Online button to return to standby screen	

Select [Auto Density Mode], and press the [OK] button.

Calibration	1/2 Page
1 Auto Density Mode	
2 Auto BG Adjust Mode	
3 Adjust Density	
4 Adjust Registration	
5 Heavy Media Adjust	
6 Heavy Media Mode	
Use Online button to return to standby sc	reen

4 Select [On], and press the [OK] button.
 Check that ✓ is displayed to the left of [On].

	at	
Calibration	Auto Density Mode	1/1 Page
🚺 Auto Density	1√ On	
2 Auto BG Adj	2 Off	
3 Adjust Densi	t	
4 Adjust Regis		
5 Heavy Media		
6 Heavy Media		
🔵 Use Online b	Use Online button to	oreturn to s

5 Press the [ON LINE] button to return to the standby screen.



Manually compensating density

The printer can implement compensation periodically using auto density compensation mode, but if the print density is a nuisance, it can also be compensated manually.

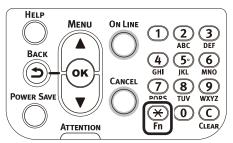
// Memo

• The density compensation adjustment values are set using [Cyan density], [Magenta density], [Yellow density], [Black density], and [White density] on the control panel.

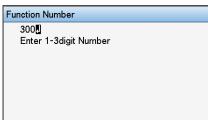


Press the [Fn] key.

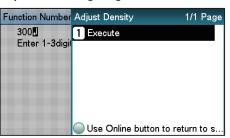
The numerical values input screen will be displayed.

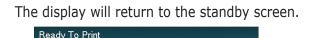


Press [3], [0], [0], and press the [OK] button.



3 Check that [Execute] has been selected, and press the [OK] button.





00%	100%	100%	100%	100%
				ш
hite	Yellow	Magenta	Cyan	Black

2

Δ

Fine-tuning density adiustment

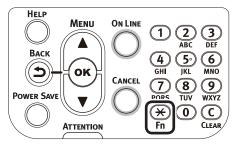
You can fine-tune the density according to the standard for density adjustment.

Adjust the density for each color wherever needed from the print results.

This section explains the procedure for fine adjustment of cyan. The procedure is also applicable to other colors.

- Increasing cyan after checking the print results
 - Press the [Fn] key.

The numerical values input screen will be displayed.



Press [3], [1], [0], and press the [OK] button.

Function Number	
310 <mark>1</mark> Enter 1-3digit Number	

0// Memo

- The procedures for adjusting magenta, yellow, and black are described below.
 - To adjust magenta, press the [Fn] key, [3], [1], [1], and [OK] buttons.
 - To adjust yellow, press the [Fn] key, [3], [1], [2], and [OK] buttons.
 - To adjust black, press the [Fn] key, [3], [1], [3], _ and [OK] buttons.
 - To adjust white, press the [Fn] key, [3], [1], [4], and [OK] buttons.

Specify a larger value than the current value, and press the [OK] button.

310 !! 	Function Number	
	310 Enter 1-3digi	
Use Online button to return to s		Use Online button to return to s

🖉 Memo

• To increase the density, select +1 to +3, and to decrease the density select -1 to -3.

Press the [ON LINE] button to return to the standby screen.



Press the [Fn] key, [3], [0], [0], and press the [OK] button.

Functi	ion Num	ber			
	00 1. nter 1-3	digit Nun	ıber		

6

Check that [Execute] has been selected, and press the [OK] button.

Function Number	Adjust Density	1/1 Page
300	1 Execute	
Enter 1-3digi		
	 Use Online button 	to return to s

7 The display will return to the standby screen.



Printing will be implemented. If the density is still incorrect, repeat steps 1 to 6.

8

Adjusting the color balance (density)

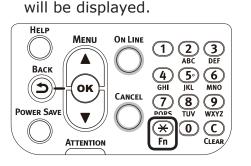
The printer can implement compensation periodically using auto density compensation mode, but implement this adjustment to adjust the color balance in the intervals where auto density compensation is insufficient.

! Note

- The densities of each color are mutually dependent, so it is necessary to repeat the adjustments several times until the correct color balance is reached.
- The results of the basic [Base Color Tuning] are reflected in the settings in [Fine Color Tuning]. Consequently, if the [Fine Color Tuning] are adjusted manually, these settings will be reset, so be careful. The [Black Tuning] settings, however, are not reset.

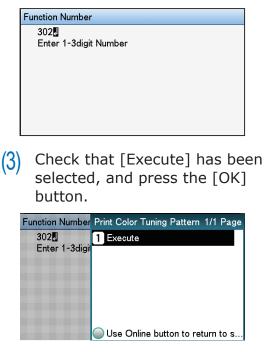


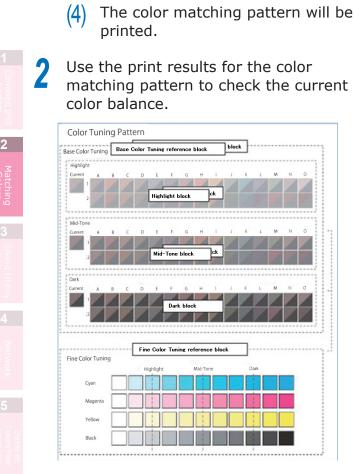
(1) Press the [Fn] key.



The numerical values input screen

(2) Press [3], [0], [2], and press the [OK] button.

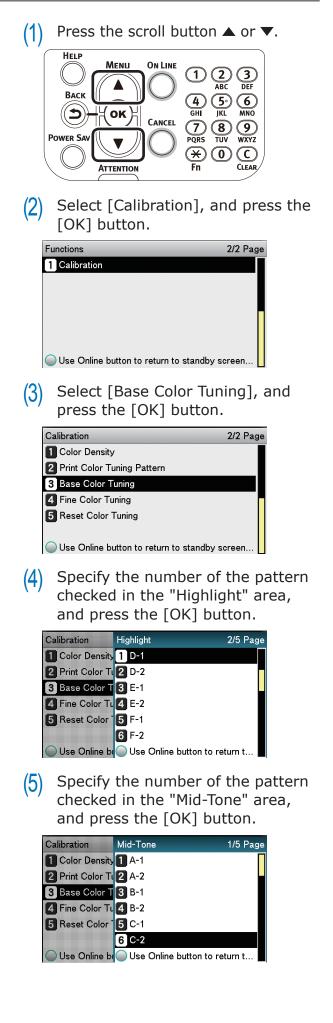




 Check the numbers (A-1,2 to O-1,2) of the pattern that seems the most similar to the adjacent CMY mixed colors part and single color K part from among the patterns distributed in the "Highlight", "Mid-Tone", or "Dark" areas.

🖉 Memo

- If the pattern that seems most similar to the adjacent CMY mixed colors part and single color K part in the "Highlight", "Mid-Tone", or "Dark" areas matches the "Current" on the left or the color matching pattern, the color balance is normal and does not require adjustment.
- Use the print results for the color matching pattern to adjust the color balance.



Specify the number of the pattern (6) (9) checked in the "Dark" area, and press the [OK] button. Calibration Dark 1/5 Page Color Densit, 1 A-1 100% 2 Print Color Ti 2 A-2 8 Base Color T 3 B-1 4 Fine Color Tt 4 B-2 5 Reset Color 5 C-1 6 C-2 Use Online bi Use Online button to return t.. **Ø**Memo The pattern number specified in each area will be displayed. If the pattern number is correct, select [Yes], and press the [OK] button. Calibration Apply Values? 1/1 Page 1 Color Density High Light: D-1 2 Print Color T. Mid. Tone: C-2 Base Color T Dark: C-1 4 Fine Color Tt 1 Yes 5 Reset Color 2 No Use Online bi Use Online button to return to s.. // Memo results. • To respecify the pattern number select [No] to return to the "Calibration" screen. (1) Select [Return], and press the [OK] (8) (2) button. Finished Adjusting. 1/1 Page Calibration Color Density High Light: D-1 2 Print Color T. Mid. Tone: C-2 8 Base Color T Dark: C-1 4 Fine Color Tt 1 Return 5 Reset Color Use Online by Use Online button to return to s.

) The display will return to the standby screen.



- If the desired color balance is not obtained even after implementing [Base Color Tuning], adjust the CMY color balance watermarks manually using [Adjusting the color balance]. For color balance watermark adjustments, see "Adjusting the color balance" (P.72).
- If the overall tone is still too bright or too dark even after implementing [Base Color Tuning], adjust the black tone manually using [Fine Color Tuning], and then implement [Basic color Tuning] again. To brighten the overall tone, adjust the black tone in [Fine Color Tuning] in the - direction, and to darken the overall tone, adjust the black tone in [Fine Color Tuning] in the + direction.

Check the color balance adjustment results.

- Print the color matching patterns.
-) Use the print results for the color matching pattern to check the adjusted results.

If the pattern that seems most similar to the adjacent CMY mixed colors part and single color K part in the "Highlight", "Mid-Tone", or "Dark" areas matches the "Current" on the left or the color matching pattern, the color balance adjustment is complete.

Repeat Steps 1 to 3 according to the checked results.

Adjusting the color balance

The printer can implement compensation periodically using auto density compensation mode, but implement this adjustment to adjust the color balance watermarks in the intervals where auto density compensation is insufficient.

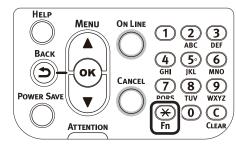
! Note

- The densities of each color are mutually dependent, so it is necessary to repeat the adjustments several times until the correct color balance is reached.
- Printing is disabled if [Local print] in the (optional) print job accounting is set to [Disable printing] or [Disable color printing].

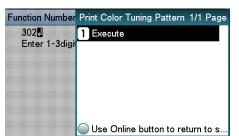
Print the color matching patterns.

(1) Press the [Fn] key.

The numerical values input screen will be displayed.

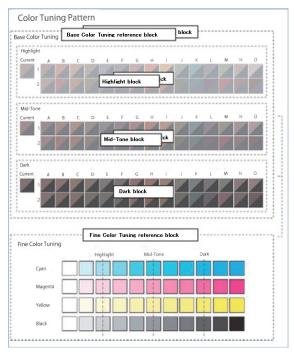


- 2) Press [3], [0], [2], and press the [OK] button. Function Number 302 Enter 1-3digit Number
- (3) Check that [Execute] has been selected, and press the [OK] button.



(4) The color matching pattern will be printed.

2 Use the print results for the color matching pattern to check the current color balance.



(1) Check the area to be referenced using "Fine Color Tuning".

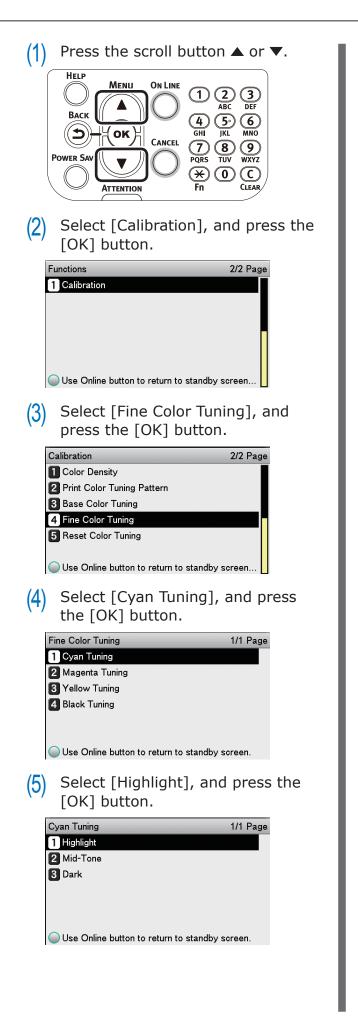
The color matching pattern frames are arranged in four vertical columns and 11 horizontal rows. The four vertical columns represent from the top cyan, magenta, yellow, and black, and are printed as [Cyan], [Magenta], [Yellow] and [Black].

The 11 horizontal rows represent the color tone, and dotted lines are printed under each text for [Highlight], [Mid-Tone], and [Dark].

3 Use the print results for the color matching pattern to adjust the color balance watermarks.

If adjusting the color balance, use the control panel to specify the shade (Highlight, Dark, and Mid-Tone) of each color.

This section explains the procedure for slightly darkening the cyan highlights. Adjust the watermarks for colors other than cyan in the same way.

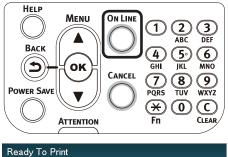


(6) Specify a larger value than the current set value, and press the [OK] button. Check that ✓ is displayed to the left of the specified value.



∅ Memo

- To slightly increase the darkness, select +0.1 to +4.0, and to slightly decrease the darkness select -0.1 to -4.0. The black adjustment range, however, is +0.1 to +3.0 and -0.1 to -3.0.
- (7) Press the [ON LINE] button to return to the standby screen.





- 4 Check the color balance adjustment results.
 - (1) Print the color matching patterns.
 - (2) Use the print results for the color matching pattern to check the adjusted results.

Repeat Steps 1 to 3 according to the checked results.

Matching Colors Using the Printer Drivers

Color matching

What is color matching?

It is important to manage the work processes from data creation to output based on methods with color consistency. For example, scanners, digital cameras, and monitors, etc., express the blending ratio to which the light of the three colors "red", "blue", and "green" have been added against the black as values over the RGB color space (Additive mixture of colors).

Meanwhile, printers express the blending ratio of the four toner colors "Cyan", "Magenta", "Yellow", and "black" over white (white light) with the three reflected colors "red", "blue", and "green" excluded as values over the CMYK color space. (Subtractive mixture of colors.).

The RGB color space and CMYK color space are color spaces dependent on the printer used, and so when converting the color spaces, the colors will be different from the reproduced colors unless consideration is given to the individual printer characteristics.

To maintain color consistency from data creation to output, it is necessary to consider the color differences by device when converting colors. This process is called "color matching". The program that implements the color matching is called the "color management system" (CMS).

The printer can use either printer driver color matching or application color matching.

! Note

• Even if using color matching, the printed colors may appear dark compared to the colors on the monitor. This is because the range of colors that can be reproduced by the device is narrower than the range of colors that can be reproduced by the monitor, so even if color matching is used, the vivid colors on the monitor cannot be reproduced.

Color matching (recommended)

Implementing color matching is recommended for general documents. In general, use this setting.

Using Windows PS Printer Driver

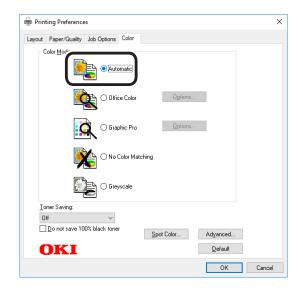
Open the file to be printed.

3

5

- Select [Print] from the [File] menu.
 - Click [Advanced] (or [Preferences]).

Select [Automatic] in [Color Mode] in the [Color] tab, and then click [OK].



Printing will be implemented.

Using Mac OS X Printer Driver

Open the file to be printed.

Select [Print] from the [File] menu.

Select [Automatic] in the [Color] panel.





2 3

Printing will be implemented.

Easy color matching (Office colors)

Color matching is the optimum method supplied for users who frequently use business documents such as word processing software, spreadsheet software, and presentation software. Color matching is implemented for printers using the colors expressed using RGB colors, which are used with these software applications.

Color matching is implemented using a special accelerator (ASIC) that is built into the printer. When converting the RGB color space print data to the printer CMYK color space, color matching processing is applied.

! Note

• If installing ICC profile in Windows, click [Advanced] in the [Layout] tab, and then select [Disable ICM] in [ICM Methods].

Setup Items

• [Color matching options]

Specifies the method for expressing the colors processed using color matching.

• Monitor - Auto

During color matching, represents the color by the most ideal method suiting the document to be printed, emphasizing compatibility with the monitor (color temperature 6500K). In general, use this setting.

• Monitor - Perceptual

During color matching, represents the color by the method emphasizing the gradation suiting the natural image of photograph and compatibility with the monitor (color temperature 6500K).

• Monitor - Vivid

During color matching, represents the color by the method emphasizing the vividness suiting the images and text, and compatibility with the monitor (color temperature 6500K).

• Monitor - light

During color matching, represents the color by the method emphasizing the gradation suiting the natural image of photograph and compatibility with the monitor (color temperature 9300K).

Adobe RGB

Indicates while using the input device with AdobeRGB color characteristics.

sRGB

The sRGB colors within the printer's color gamut are printed without any modification. Only colors that fall outside the printer's color gamut are matched with the outer shell. Suitable for matching specific colors.

• [CMYK Ink Simulation]

Select to simulate standard offset print colors such as Japan Color, SWOP, and ISO Coated on the device.

Select the target printer ink.

• [Black Finish]

Sets the black finish when printing in color. Normally use Auto as is.

Using Windows PS Printer Driver

Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Select [Automatic] or [Office Color] in [Color Mode] in the [Color] tab, and then click [OK].

🖶 Printing Preferences	>
Layout Paper/Quality Job Options Color	
Color Mode	
	ons
Graphic Pro Optic	ons
○ No Color Matching	
Greyscale	
Toner Saving:	
Do not save 100% black toner	Advanced
OKI	<u>D</u> efault
	OK Cancel

! Note

 If installing an ICC profile, click [Advanced] in the [Layout] tab, and then select [Disable ICM] in [ICM Methods].



2 3

Printing will be implemented.

■ Using Mac OS X Printer Driver

Open the file to be printed.

3

Select [Print] in the [File] menu.

Select either [Automatic] or [Office Color] in the [Color] panel.



If [Office Color] is selected, change [Color Match Using], [CMYK Ink Simulation], and [Black Finish] as necessary.

Printing will be implemented.

Color matching (GraphicPro)

If using DTP software, Graphic Pro is optimum.

You can specify simulation printing for a user-selected CMYK output device.

If using an ICC profile for a user-selected I/O device for color matching, it is necessary to register the ICC profile to the device beforehand.

For how to register the ICC profile, see "Registering ICC profiles" (P.89).

! Note

- If installing ICC profile using Windows PS printer drivers, click [Advanced] in the [Layout] tab, and then select [Disable ICM] in [ICM Methods].
- To register an ICC profile, it is necessary to mount the (optional) HDD to the device.

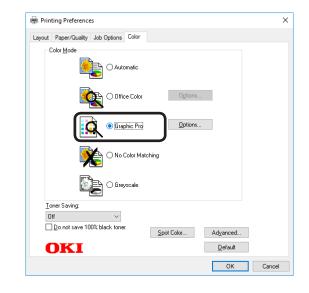
Using Windows PS Printer Driver

Open the file to be printed.

Select [Print] from the [File] menu.

Click [Advanced] (or [Preferences]).

Select [Graphic Pro] in [Color Mode] in the [Color] tab, and then click [OK].



Printing will be implemented.

2

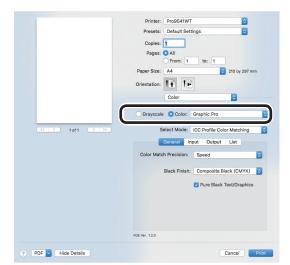
5

Using Mac OS X Printer Driver

Open the file to be printed.

Select [Print] from the [File] menu.

Select [Graphic Pro] in the [Color] panel.



Printing will be implemented.

Color matching (No Color Matching)

Implements printing using the specified colors as is, without implementing color matching using the printer drivers or device.

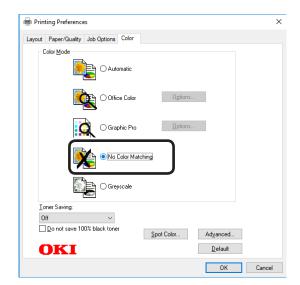
Select if implementing color matching using an application.

Using Windows PS Printer Driver

- Open the file to be printed.
 - Select [Print] from the [File] menu.

Click [Advanced] (or [Preferences]).

Select [No Color Matching] in [Color Mode] in the [Color] tab, and then click [OK].



5 Pi

Printing will be implemented.

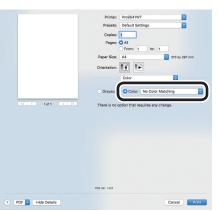
3

■ Using Mac OS X Printer Driver

Open the file to be printed.

Select [Print] from the [File] menu.

Select [No Color Matching] in the [Color] panel.





23

Printing will be implemented.

Changing black finish

The finish for the black parts will be changed when printing in color. This can be used when the color mode in the printer driver settings is [Office Color] or [Graphic Pro].

Setup Items

- Black Finish
 - Auto

Creates black using the optimum methods according to the document to be printed. This setting can be selected when the color mode is set to [Office Color].

Composite Black (CMYK)

Synthesizes black using cyan, magenta, yellow, and black toner. The black is close to brown. Ideal for photos.

• True Black (K)

Prints black using black toner only. Ideal for diagrams and documents. When printing photos, the dark parts are blackish.

• Pure Black Text/Graphics

If black that is defined using the RGB color space for text and graphics (R=0, G=0, B=0), or black that is defined using the CMYK color space (C=0, M=0, Y=0, K=100%) has been specified, specify whether to print using black (K) toner only.

• ON

Prints the text and graphics specified as black using black (K) toner only.

• OFF

The text and graphics specified as black are synthesized using either black (K) toner only or CMYK depending on the profile specified in color matching.

■ Using Windows PS Printer Driver

Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Select [Office Color] or [Graphic Pro] in [Color Mode] in the [Color] tab, and then click [Advanced].

Select the black finish method from [Black Finish]. Further, turn ON or OFF [Pure Black Text/Graphics] in [Graphic Pro] mode, and click [OK].

Office Color Details	×
RGB Color Settings Color Settings Monitor - Auto ~	
Color Correct Utility Settings	#
CMYK Ink Simulation	Black Finish Auto Composite Black (CMYK) © [True Black (K)
0	K Cancel Default

Printing will be implemented.

■ Using Mac OS X Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- Select [Graphic Pro] in the [Color] panel.
- Select [ICC Profile Color Matching] in
 [Select Mode], and click the [General] button.
- 5

3

Select a suitable item using [Black Finish] and [Pure Black Text/Graphics].





Printing will be implemented.

6

4

5

Printing using monochrome (black and white)

The color data is printed using grayscale (shades of black and white) without touching the print data.

! Note

• If implementing color printing after printing by specifying "Monochrome", a delay may occur depending on the temperature adjustment of the fuser unit.

UMemo

- Even if the cyan (blue), magenta (red), yellow toner cartridge life has been reached, black&white printing can be done by specifying "Mono". However, if the paper weight is set to "Ultra Heavy4", "Ultra Heavy5" or "Auto" and if the paper weight is comparable to "Ultra Heavy4", "Ultra Heavy5", set "Mono-Print Mode" in "Admin Menu" to "Normal Mode".
- See "Basic" for paper details.

Using Windows PS Printer Driver

3

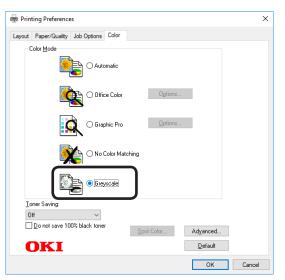
5

Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Select [Grayscale] in [Color Mode] in the [Color] tab, and then click [OK].



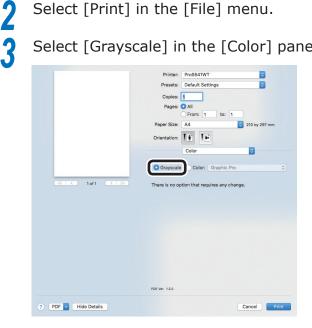
Printing will be implemented.

■ Using Mac OS X Printer Driver

Open the file to be printed.

Select [Print] in the [File] menu.

Select [Grayscale] in the [Color] panel.





Printing will be implemented.

2

Rendering white lines between text and background inconspicuous (black overprint)

If imaging 100% black text on a colored background, you can print (overprint) by overlaying the text and background parts. Set if there are gaps such as white lines, etc., in the borders between the text and background.

! Note

- Not usable with some applications.
- Cannot be used if the text is not 100% black, the text has been rendered as graphics by selecting the outlines, or if the text is an image.
- If the background color is dark (the toner layer thickness exceeds 240%), the toner may not be fixed securely. For example, if printing 100% black text on backgrounds of 50% cyan, 50% magenta, or 50% yellow, the toner layer thickness is 50+50+50+100=250%, which exceeds 240%.

Using Windows PS Printer Driver

Open the file to be printed.

Select [Print] in the [File] menu.

Click [Advanced] (or [Preferences]).

Click [Advanced] in the [Color] tab.

Enable the [Black overprint] check box, and click [OK].

Advanced × Advanced Color Options Always use printer halftone 🗹 Black overprint Use optimised greyscale halftones ☑ Io enable special color space Print color separations: Off OK Cancel <u>D</u>efault

Printing will be implemented.

Using Mac OS X Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- 2 ? Click [Quality 1] in the [Print Options] panel, and enable the [Black Overprint] check box.

	Printer: Pro9541WT
	Presets: Default Settings
	Copies: 1
	Pages: O All
	From: 1 to: 1
	Paper Size: A4 C 210 by 297 mm
	Orientation:
	Print Options ᅌ
	Quality1 Quality2 Feed Paper
✓ ✓ 1 of 1 → →>	Quality: ProQ/High Quality
	Optimize color thin line
	Image Smoothing
	Trapping: OFF
	Adjust ultra fine lines
	Black Overprint
	Always use printer halftone
	PDE Ver. 1.2.0
? PDF V Hide Details	Cancel Print

Printing will be implemented.

Calibrating plate misalignment (trapping)

Use if there are white or colored lines between two overlapping objects due to print misalignment.

Select one of the following settings as needed, and print.

• OFF

Do not perform trapping process.

Narrow

Extend the part to be printed with CMKY toner.

• Narrow/Choke White

Extend the part to be printed with CMKY toner, and reduce the part to be printed with white toner.

• Wide

Except when [Narrow] is selected, extend the part to be printed with CMKY toner.

Wide/Choke White

Except when [Narrow] is selected, extend the part to be printed with CMKY toner, and reduce the part to be printed with white toner.

Choke White

Reduce the part to be printed with white toner.

Using Windows PS Printer Driver

Open the file to be printed.

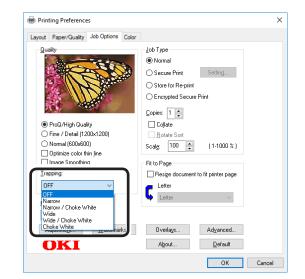
2 3

Δ

5

- Select [Print] in the [File] menu.
- Click [Advanced] (or [Preferences]).

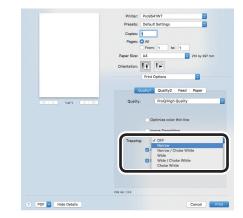
Select the print misalignment calibration method using [Trapping] in the [Job Options] tab, and click [OK].

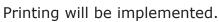


Printing will be implemented.

■ Using Mac OS X Printer Driver

- Open the file to be printed.
 - Select [Print] in the [File] menu.
 - Click the [Quality 1] button in the [Print Options] tab, and select the print misalignment calibration method using [Trapping].





Simulating print effects

The ink characteristics used in offset printing, etc., by adjusting the CMYK color data is simulated by the device.

The ICC profiles registered as standard are described below.

- RGB profile
 - sRGB
 - AdobeRGB
- CMYK input profile
 - SWOP
 - ISO Coated
 - Japan Color
 - JMPA
- CMYK link profile
 - SWOP
 - ISO Coated
 - Japan Color
 - JMPA
 - Classic-1
 - Classic-2

! Note

- Cannot be used with Mac OS X printer drivers depending on the application.
- Enabled when [Color Mode] is set to either [Office Color] or [Graphic Pro].
- [Classic-1], [Classic-2] is a profile with a purpose to bring the color closer to the conventional device. You can choose from 2 types of profiles according to your preference.

Using Windows PS Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- Click [Advanced] (or [Preferences]).
- Select [Graphic Pro] in [Color Mode] in the [Color] tab, and then click [Advanced].
- **5**

Select [Printer Simulation], and then select the ink characteristics to be simulated using [Simulation Target Profile].

Printer Simulation	
Printer simulation	
 Disable color matching for profile creat 	ion
OUse application color matching	
Input <u>R</u> GB Profile	Printer Output Profile Output Profile
sRGB ~	Auto
None ~ None	Perceptual
	1 orespoor
- CMYK Source 1 CMYK Source 2	Black Finish
CMYK Source 3 CMYK Source 4	Composite Black (CMYK)
CMYK Source 5 CMYK Source 6	Pure Black <u>T</u> ext/Graphics
- CMYK Source 7	

🖉 Memo

• For business documents, etc., you can select [Office Color] in the [Color] tab in Steps 4 and 5, and then click [Advanced], and select the ink characteristics to be simulated using [CMYK Input Profile].

Click [OK].

Printing will be implemented.

2

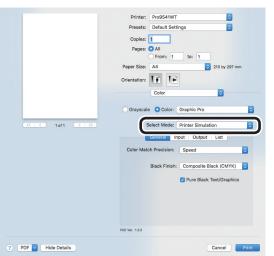
Using Mac OS X Printer Driver

Open the file to be printed.

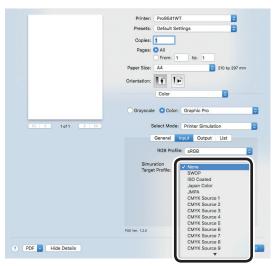
Select [Print] in the [File] menu.

Select [Graphic Pro] in the [Color] panel.

Select [Printer Simulation] in [Select Mode].



5 Click the [Input] button, and select the ink characteristics to be simulated using [Simulation Target Profile].



∅ Memo

6

- For business documents, etc., you can select [Office Color] in [Color Mode] when setting the [Color Options] function in Steps 3, 4 and 5, and then select the ink characteristics to be simulated using [CMYK Ink Simulation] in the [Office Color] functions settings.
- Printing will be implemented.

Printing using color analysis (classification printing)

You can implement color separation printing of the four colors cyan, magenta, yellow, and black even if the application does not have a separation print function.

! Note

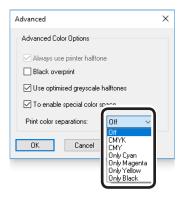
• If using Adobe Illustrator, use the application's separation print function. Set the printer driver settings to No Color Matching.

🖉 Memo

The Separations function is for creating under the print. Use black toner to print each specified primary color. There is no function for printing each primary color ink separately.

Using Windows PS Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.
- Click [Advanced] (or [Preferences]).
- 4 Click the [Advanced] button in the [Color] tab.
- 5 Select the colors to be printed separately using [Print color separations], and then click [OK].





6

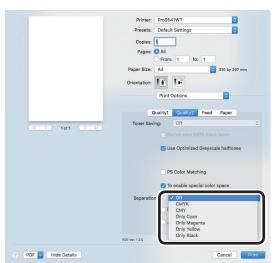
Printing will be implemented.

■ Using Mac OS X Printer Driver

Open the file to be printed.

Select [Print] in the [File] menu.

Click the [Quality 2] button in the [Print Options] panel, and select the colors to be printed separately using [Separations].



Printing will be implemented.

Disabling the Postscript Color Matching

0//Memo

• Can be used with Mac OS X printer drivers.

This is a function to disable the PostScript Color Matching for RGB system color space. If not conducting color matching, you can get the same print result (color) as the initial state setting of Windows.

// Memo

• PostScript Color Matching is a standard color matching mechanism in PS that creates Generic RGB profile based Color Space Array (CSA) for RGB entered data, converts RGB to XYZ color space by CSA, and from that XYZ color space converts into CMYK of printer by using the Color Rendering Dictionary (CRD) installed in the printer.

Setup Items

Un-checked

PostScript Color Matching is not conducted.

Checked

PostScript Color Matching will be conducted.

Using Mac OS X Printer Driver

- Open the file to be printed.
- Select [Print] in the [File] menu.

Select [Quality 2] in the [Print Options] panel.

Un-check [PS Color Matching].

	Printer: Pro9541WT
	Presets: Default Settings
	Copies:
	Pages: O All
	From: 1 to: 1
	Paper Size: A4 210 by 297 mm
	Orientation:
	Print Options
	Quality1 Quality2 Feed Paper
≪ < 1of1 > >>	Toner Saving: Off 0
	PS Color Matching C To enable special color space Separations: Off
	Run maintenance cycle before printing
	Job Spool
	PDE Ver. 1.2.0
2 PDF Hide Details	Cancel

Matching Colors Using Utilities

PS Gamma Adjuster

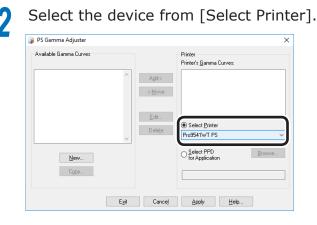
You can adjust the halftone density of the CMYK colors printed using the device. Use this function if the photo or graphics colors are too dark.

! Note

- Using this function may make printing slower. To prioritize speed, in Windows disable "Use printer halftone", and in Macintosh select [No settings] in [Halftone adjustment].
- If using Windows, the [Halftone adjustment] menu or its contents may not be displayed in the [Color] tab of the printer drivers. In this case, restart your PC.
- If the application is used before the halftone adjustment name has been registered, restart the application before printing.
- If multiple printers have been saved to the [Devices and printers] folder, the registered halftone adjustment names will be enabled for all printers of the same model.

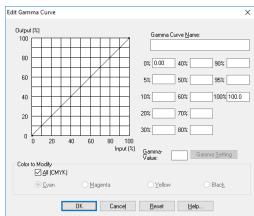
Registering gamma (Windows)

Select [Start]>[All Programs]>[OKI Data]>[PS Gamma Adjuster]>[PS Gamma Adjuster] to start the PS Gamma Adjuster.



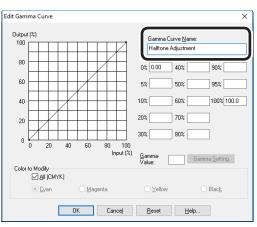
Click [New].

Adjust the halftone.



You can select the halftone adjustment method from the graph line operations, gamma value inputs, and density value inputs to the text boxes.

5 Enter the settings name in [Gamma Curve Name], and click [OK].



6 Click [Add].

Click [Apply].

The dialog box will be displayed.

Click [OK].

7

9 Click [Finish] to close the PS Gamma Adjuster.

Registering gamma (Macintosh)

Start the PS Gamma Adjuster.

Click [Define new halftone adjustment].

Adjust the halftone.

You can select the halftone adjustment method from the graph line operations, gamma value inputs, and density value inputs to the text boxes.

Enter the settings name in [Halftone adjustment name], and click [Save].

Close the PS Gamma Adjuster.

Select [Printers and scanners] in the [System environment settings], and then temporarily delete and then reregister the printer that implemented the registered adjustments.

Profile assistant

This section explains the profile assistant utility. You can match the colors using the printer ICC profiles. ICC profiles are used for overall color management. To use this function, it is necessary to register the ICC profiles for the input devices (monitors, scanners, digital cameras, etc.) in the printer beforehand. To register an ICC profile, use the profile assistant.

! Note

- The profile assistant is not enclosed on the "Software DVD-ROM", so download it from the homepage.
- If there are no profiles in the input or output devices, consult the device manufacturer or your dealer.
- To register an ICC profile, it is necessary to mount the (optional) HDD to the device.

5

6

Registering ICC profiles

You can match the colors using the printer ICC profiles. ICC profiles are used for overall color management. To use this function, it is necessary to register the ICC profiles for the input devices (monitors, scanners, digital cameras, etc.) in the printer beforehand.

! Note

• If there are no profiles in the input or output devices, consult the device manufacturer or your dealer.

Windows

Use the Configuration Tool. For the procedure details, see "Storage Manager plug-in" (P.100).

■ Mac OS X

! Note

• The profile assistant is not enclosed on the "Software DVD-ROM", so download it from the homepage.

Start the profile assistant.

Select the [Networks] or [USB] tab.

If the device is connected using USB, select [USB]. If the device is connected using a network, select [Networks].

3 Select the device to be registered, and click [Select].

! Note

• Not compatible with USB2.0. If using this utility with USB, set the device USB baud rate to 12Mbps to connect using USB1.1.

45

Click [Add] in the main window.

Select the profile to be registered, and click [Select].

🖉 Memo

 ICC profiles are normally stored in the [Library]> [ColorSync]>[Profiles] folder.
 If you cannot find the ICC profiles, consult your device manufacturer.

Select the profile type.

7 Select the number of the profile to be registered.

The registered numbers are underlined in bold. If a registered number is selected, the profile will be overwritten.

8 If necessary, enter a comment in the [Comments] field.

The comments are displayed in the profile tables and the color profile list reports.

G Click [Add].

10 Check that the registered profiles are displayed in the main window list, and select [File] and then [Close].

🖉 Memo

- Registered profiles can be used in color matching for the [Graphic Pro] functions.
- Steps 2 and 3 are omitted when the profile assistant utility is started subsequently, and the utility is connected to the device that was last used. To change the connected printer, select [Printer selection] in Step 4.

Reference

• For how to print the color profile list, see "Color profile list" (P.175).

■ Memo

Using Utility Software

-	at can be used with the 92
Windows utilities	
Mac OS X utilities	113

• Utility software that can be used with the printer

Utilities table

Windows/Macintosh common utilities

Utility name Explanation O		Operations environment	Reference pages.
PS Gamma Adjuster	Image density can be adjusted by adjusting each of the CMYK colors and the halftone density.	 Windows 10/Windows 8.1/ Windows 8/Windows 7/ Windows Server 2016/ Windows Server 2012 R2/ Windows Server 2012/ Windows Server 2008 R2/ Windows Server 2008 Mac OS X 10.10.5 to 10.13 	Page 87
Web browsers	You can make all the settings in addition to checking the messages displayed on the device, and the network settings, etc.	PCs with Microsoft Internet Explorer Ver. 6.0 or later, Safari Ver. 3.0 or later, or Firefox 3.0 or later installed.	Page 135

Windows utilities

Utility name	Explanation	Operations environment	Reference pages.
Configuration Tool	Registers and manages the device network settings in the device HDD. Further, form data can be registered and deleted, and stored jobs managed.	Windows 10/Windows 8.1/ Windows 8/Windows 7/ Windows Server 2016/ Windows Server 2012 R2/ Windows Server 2012/ Windows Server 2008 R2/ Windows Server 2008	Page 95
Direct Network Printing Utility (LPR)	You can print using network connections, manage print jobs, and check the device status.	Windows 10/Windows 8.1/ Windows 8/Windows 7/ Windows Server 2016/ Windows Server 2012 R2/ Windows Server 2012/ Windows Server 2008 R2/ Windows Server 2008 PCs operating using TCP/IP	Page 104
Network Extension	You can check the settings and set the optional configurations from the printer drivers. This utility is installed automatically when the printer drivers are installed using a network connection.	Window 10/Windows 8.1/ Windows 8/Windows 7/ Windows Server 2016/ Windows Server 2012 R2/ Windows Server 2012/ Windows Server 2008 R2/ Windows Server 2008 PCs operating using TCP/IP	Page 111
TELNET	You can set the device networks.	Windows 10/Windows 8.1/ Windows 8/Windows 7/ Windows Server 2016/ Windows Server 2012 R2/ Windows Server 2012/ Windows Server 2008 R2/ Windows Server 2008	-

Utility name	Explanation	Operations environment	Reference pages.
Change the Printer Display Language	You can change the display language of the control panel and menus.	Window 10/Windows 8.1/ Windows 8/Windows 7/ Windows Server 2016/ Windows Server 2012 R2/ Windows Server 2012/ Windows Server 2008 R2/ Windows Server 2008	Page 102

Macintosh utilities

Utility name	Explanation	Operations environment	Reference pages.
Profile assistant ^{*1}	Registers and manages ICC profiles in the device HDD. ICC profiles are used on color matching in [Graphic Pro] mode in the drivers.	Mac OS X 10.10.5 to 10.13	Page 88
Panel language setup	You can change the display language of the control panel and menus.	Mac OS X 10.10.5 to 10.13	Page 113
NIC settings tool	Enables the network setup.	Mac OS X 10.10.5 to 10.13	Page 114

*1: Not included on the Software DVD-ROM. Download from the homepage.

Installing utilities

Windows

Install utility software by using the Software DVD-ROM.

Connect the machine to a computer via a network or USB interface.

! Note

- Check the status of this machine before installing.
 - -This machine is turned on.
 - -This machine is connected to a network with a network cable and the IP address or other settings are set.

Set the "Software DVD-ROM".

When the "AutoPlay" window is displayed, click [Launch Setup.exe].

[∕/ Memo

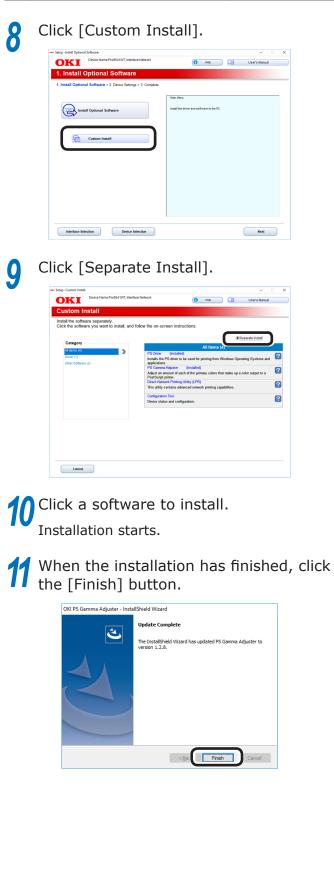
- When the "User Account Control" window is displayed, click the [Yes] button.
- 3 Select a language from the drop-down list.
- Read the License Agreement, and click the [Accept] button.

- Read the Environmental advice for Users, and click the [Next] button.
- 6 Select [Network] or [USB] corresponding to your connection environment, and then click the [Next] button.

If the [Windows Security Alert] dialog is displayed, click the [Allow access] button.

Select the model name of this machine, and then click the [Next] button.

Device search Search ad		15 . 255 . 255	Search		Network Setting	
Device name Pro9541WT	IP Address Setti Manual	IP Address 192.168.100.100	MAC Address 00253656E566	Serial Number A4444557850	Printer name	
						-
						The Device Name is listed here.



Macintosh

You can copy a utility by dragging to any location. You can also run a utility directly from the "Software DVD-ROM".

- Insert the "Software DVD-ROM" in the computer.
 - Double-click [OKI]>[Utilities] folder.
- 3 Drag and drop to copy the utility folder to be installed into the desired location.

🖉 Memo

• Double-click the utility icon in the folder to launch.

• Windows utilities

Configuration Tool

Configuration Tool is a utility that changes and manages the OKI device settings.

Configuration Tool has the following functions to easily set and manage multiple OKI devices.

- Displays the device information
- Registers and manages ICC profiles
- Registers and deletes form data
- Manages saved jobs
- Formats partitions
- Changes HDD partition sizes
- Initializes flash memory
- Sets printer networks

Operations environment

PCs running Windows 10/Windows 8.1/Windows 8/Windows 7/Windows Server 2016/Windows Server 2012 R2/Windows Server 2012/Windows Server 2008 R2/Windows Server 2008 versions

! Note

- PC administrator privileges are required for the setup.
- Internet Explorer 5.5 SP1 or later must be installed.

Installing

- Set the "Software DVD-ROM".
 - When the "AutoPlay" window is displayed, click [Launch Setup.exe].

🖉 Memo

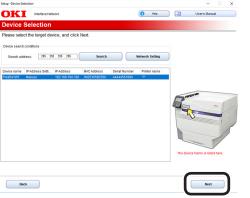
- When the "User Account Control" window is displayed, click the [Yes] button.
- Select a language from the drop-down list.
- 4 Read the License Agreement, and click the [Accept] button.
 - Read the Environmental advice for Users, and click the [Next] button.
- 6 Select [Network] or [USB] corresponding to your connection environment, and then click the [Next] button.

If the [Windows Security Alert] dialog is displayed, click the [Allow access] button.



9

Select the model name of this machine, and then click the [Next] button.



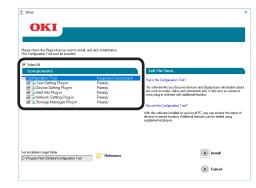
Click [Custom Install].

Device N 1 Heb 🔝 OKI Install Optional Software Custom In Interface Selection Device Selection Next

Click [Separate Install], and then click

[Configuration Tool]. OKI " 🚺 Help 🛄 Use Install the software separately. Click the software you want to install, and follow the on-screen instruct ? Adjust an amount of each of the print PostScript printer. ? ity (LPR) (Installed ? Cancel

Select the plug-in to be installed.



• Network Setting plug-in

Restart the IP address settings and printer, and display web pages. Added to the plugin menu when installed. For details, see "Network Setting plug-in" (P.98).

Storage Manager plug-in

Includes functions such as ICC profile registration and management functions, form data registration and deletion functions, and saved job management functions, etc. Added to the plug-in menu when installed. For details, see "Storage Manager plug-in" (P.100).

UMemo

• Plug-ins can also be installed additionally later.

Specify the installation destination folder.

In the factory settings, C:\Program Files\ Okidata\Configuration Tool is specified.

Click [Install].

13 When "Installation finished" is displayed, click [Exit].

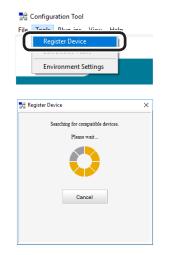
UMemo

When the restart window is displayed, restart the PC according to the window instructions.

Registering devices

When using the Configuration Tool for the first time or introducing a new OKI device, register the OKI device in the Configuration Tool.

- Select [Start]>[OKI Data]> 1 [Configuration Tool] to start the Configuration Tool.
- Select "Register Device" in the "Tools" 2 menu to search for OKI devices that can be registered.



0// Memo

To change the scope of the search, select "Environment Settings" in the "Tools" menu, and enter the range to be searched. Enter the range, and click [OK].

Device Search Parameters Settings	\$
IP Broadcast Settings	
	Add
	Delete
Search local subnet	
Local Settings	
✓ Search USB	
Search LPT	
Others	
Reset IP address automatically	
	Timeout Settings
	SNMP Setting
	OK Cancel

3 When available devices are displayed, select this machine, and click [Register].

spi	ay	ing compatible device	s.	
		Device Name	Port Name	
	•	Pro9541WT	192.168.100.100	
				~
	• s	elect all		~



Δ

Click [Yes] on a confirmation screen.

Device Info tab

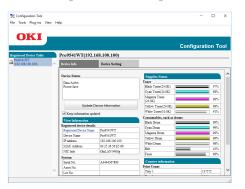
You can view the OKI device status and advanced information.

This function is available with the Configuration Tool as standard.

Select [Start]>[OKI Data]> [Configuration Tool] to start the Configuration Tool.

Click the machine from "Registered Device Table".

Select the [Device Info] tab.



🖉 Memo

• To change the information, click [Update Device Information].

! Note

 The device status will be displayed if an OKI device is connected to the network.

Network Setting plug-in

The network can be set using the Configuration Tool. Before making the settings, install the Network Setting plug-in.

Reference

• For how to set up the network, see the "Basic".

Icon types

The icon meanings are described below.

Icon	Explanation
۹,	Searches for the device again.
×	Changes the search conditions.
4	Changes the device IP address.
Ċ	Restarts the device.
en all PW	Changes the network password.
	Displays the web page for the specified device.

Searching for devices on the network

You can search for devices.

- Select [Start]>[OKI Data]> [Configuration Tool] to start the Configuration Tool.
 - Select [Network Setting] from the [Plug-ins] menu.



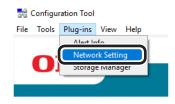
Select [Discover Devices].

Net	work Setting(Configures a	device for a network.)
0	a	work.
[[Discover Devices	iscovers network devices.
	Environment Settings	Changes the device discovery criteria or communication options.

The search results will be displayed.

Specifying the search conditions

- Select [Start]>[OKI Data]> [Configuration Tool] to start the Configuration Tool.
- 2 Select [Network Setting] from the [Plug-ins] menu.



Select [Environment Settings].



Specify the search conditions as necessary, and click [OK].

et Device Discovery Scopes	
P Broadcast Setting	
	Add
	Delete
Search Local Subnets.	
thers	
Device Discovery Communication Time	out(3-300 Sec): 30

Changing IP addresses

You can change the device IP address.

- Select [Start]>[OKI Data]> [Configuration Tool] to start the Configuration Tool.
- 2 Select [Network Setting] from the [Plug-ins] menu.
- 34567
- Select [Discover Devices].

Select the device from the printer table.

Click 🎄.

Change the settings as necessary.

Click [Setup].

8 Input the administrator password, and click [OK].

The factory-set password is "999999".

9 °

Click [OK] to restart the device.

Storage Manager plug-in

Storage Manager plug-in can manage jobs saved on the device, and store the forms and fonts, and ICC profiles to be used in printing.

! Note

• The job management function does not support encrypted card authentication jobs.

Icon types

The icon meanings are described below.

Icon	Explanation
*	Creates new project
	Opens projects
	Saves projects
E)	Saves projects as
٠	Adds files to a project
*	Deletes files from a project
	Displays the filtering window for PCL form files
-	Creates download files
Ç.	Sends download files
2	Sends projects
۵.	Sends files
12	Displays the job management window
R	Displays the administrator functions window

1100

Registering profiles

You can register and edit printer profiles. Some of the functions are explained below.

To register an ICC profile, it is necessary to mount the (optional) HDD to the device.

! Note

• If using the profile registration and edit functions, install the Storage Manager plug-in.

Reference

- For how to install plug-ins, see "Installing" (P.95).
- Select [Start]>[OKI Data]> [Configuration Tool] to start the Configuration Tool.
- 2 Select [Storage Manager] from the [Plug-ins] menu.

	Configu	ration Tool			
File	Tools	Plug-ins	View	Help	
		Alert Ir	fo		
		Netwo	rk Settir	10	
	U.	Storage	e Mana	ger	

- Click [1] to create a new project.
- Click [th], and select the profile to be registered, and click [Open].

The file is added to the project.

Click a profile.

5

6

Select the number of the profile to be registered.

The numbers already used in the project cannot be selected, and are displayed against a yellow background.

- If necessary, enter a comment in the [Comments] field.
- Click the [OK] button to apply the changes.
- 9 Select the machine from the bottom of the Storage Manager Plug-in window.
- 10 Click [1] to send the project associated to the ICC profile that has been added to the printer.

Check that the message "Command Issued." is displayed, and click [OK].

Registering forms (form overlay)

You can register the logos, etc., as forms to the device, and overlay for printing. This section explains how to register forms.

Reference

• For how to print overlays, see "Printing using registered forms (overlay printing)" (P.52).

// Memo

- If using Windows PS printer drivers, administrator privileges are required.
- □ Creating forms
- 1 Click [Start], and then select [Devices and printers].
- 2 Right-click the printer icon, and select [Printer properties].
- 3 Select the [Port] tab, and enable the [FILE:] check box in [Printer port], and click [OK].
- 4 Create the form to register on the machine.
- 5 Select [Print] from the [File] menu of the application.
- **6** Click [Advanced] (or [Preferences]).
- Select the [Job Options] tab, and click [Overlay].
- 8 Select [Create form] from the dropdown list.
 - Printing will be implemented.
 - Enter the name of the file to be saved.
 - Select the previous port from [Printer Port] on the [Port] tab, and then click [OK].

- Register the form to the printer using the Configuration Tool.
- Select [Start]>[OKI Data]> [Configuration Tool] to start the Configuration Tool.
- 2 Select [Storage Manager] from the [Plug-ins] menu.
- Click [🖺].
- 4 Click [¹], and select the form file that has been created.

The form will be added to the project.

Click the form file.

Enter the form name in [Component], and click [OK].

! Note

5

6

<u>g</u>

• Do not change the [Volume] or [Path name].

7 Select the device using the window below the Storage manager plug-in window.

8 Click [🏝].

Click [OK].

Checking the available HDD and flash memory space

You can check the available HDD and flash memory space.

- Select [Start]>[OKI Data]> [Configuration Tool] to start the Configuration Tool.
- Se [P

Select [Storage Manager] from the [Plug-ins] menu.

Click the printer name from the device selection area below the Storage Manager plug-in screen to display the resource window for the selected printer.

Communications with the printer will display the storage, partitions, directories, and files, etc.

Deleting unnecessary jobs from the HDD

You can delete print jobs in the [Shared] partition of the HDD.

0//Memo

• Even after the print data has been secure printed or saved, the job remains in the [Shared] partition, so unless the job is deleted, the available HDD space will be reduced.

! Note

• The Storage manager plug-in cannot delete encrypted secure prints.

Click [🖾].

To view specific user print jobs, enter the password, and then click [Job password operations].

To view all print jobs, enter the administrator password, and then click [Administrator password operations].

The default administrator password is "aaaaaa".

Select the job to be deleted, and click [*].

Click [OK].

Change the Printer Display Language

Operations environment

PCs running Windows 10/Windows 8.1/Windows 8/ Windows 7/Windows Server 2016/Windows Server 2012 R2/Windows Server 2012/Windows Server 2008 R2/Windows Server 2008 Versions

! Note

• This program uses the printer drivers. Install the latest printer drivers beforehand. For details, see "Flow for Installing Drivers on the PC" in "Basic".

Switching the control panel language

- Turn ON the device power supply.Set the "Software DVD-ROM". The setup program will start.
- Read the [Software License Agreement], and click [Accept].
- **4** Read the environment advice, and click [Next].
- 5 Select the printer to be set, and then click [Next].
- 6 Select the printer connection method, and click [Next].
 - Click [Advanced Device Setup].

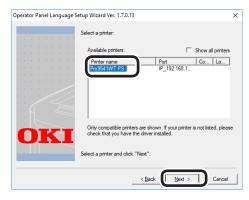
Click [Next].

				Welcome to the Operator Panel Language Setup
				This program changes the language of the printer's display pane
				- Before continuing, please ensure the printer is not in use.
				- To complete the setup, restart the printer.
	١.	2	Т	
-		λ.		To start setup, click "Next".
				To start setup, click INext . To cancel, click "Cancel".
				to cancer, crick, cancer.
				< Back

🖉 Memo

• The tool version will be displayed after [Printer display language setup wizard Ver.] in the title bar.

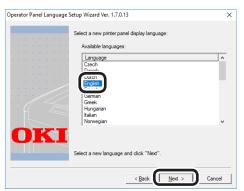
- 102 -



🖉 Memo

 Printers supported by the tool will be displayed in the [Usable printers] list.

Select the language to be set up, and click [Next].

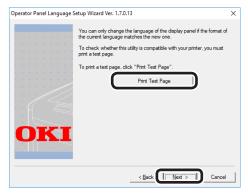


11 If a verification message is displayed, click [Yes].

12 Click [Print Test Page] to print the menu. Click [Next].

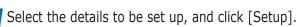
// Memo

• The menu print results are used in the subsequent window.



13 Check that the "Language format" in the menu print results is within the numerical range displayed in the window, and click [Next].

							Check the language format on the printer test page to see if you can
							this utility.
							This utility supports printer language display formats from 1.00 up to 1.
t							
1							
1							
1							
1							
	-	-		-	-	-	
1					6	I	
	-	۴	6	-	-	-	
i.							Check the Language Format, then, click "Next".
							check the bangaage romat, aren, aren, aren hext .

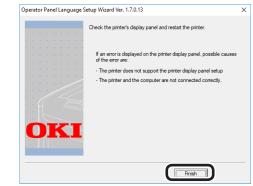


Ор	era	tor	Pa	nel	La	ng	uag	e Si	etup Wizard Ver. 1.7.0.13)
									Please confirm the settings below:	
									Language details:	
									Language: English	
									Language version: 1.16	
									Printer:	
									Pro9541WT PS on IP_192.168.100.100	
	è	-	1	-		-	-			
					6]	-		
	-	۲	ſ		ī.	-				
									Click "Setup" to change the language of the printer display panel.	
									< Back Setup Cancel	

Ø Memo

• The [Language version:] window displays the language version of the language file included in the tool.

15 Click [Finish].



16 Look at the device control panel to verify that the download was successful, and restart the device.

Power OFF/ON	
Message Data Received	
OK	

English display image

Direct Network Printing Utility (LPR)

Operations environment

PCs running Windows 10/Windows 8.1/Windows 8/Windows 7/Windows Server 2016/Windows Server 2012 R2/Windows Server 2012/Windows Server 2008 R2/Windows Server 2008 Versions

PCs operating using TCP/IP

! Note

- PC administrator privileges are required for the setup.
- Print method functions cannot be used.

Starting up

Select [Start]>[OKI Data]>[Oki LPR Utility] to start the Oki LPR Utility.

The following window will be displayed.

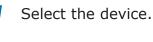
Displayed if "Printing using multiple printers simultane- $(P_1 07)$ has been set The number of jobs (data) that have finished sending will be displayed.

ously" (P.107) has been set.	
T OKI LPR UTILITY	- 🗆 X
<u>File Remote Print Option H</u> elp	
Printer	Queue Sta Fini Qu
Pro9541WT PS	Empty 0 0
[192.168.100.100] [192.168.100.99]	Empty 0 0 Empty 0 0
Printers registered	The number of
to the OKI LPR utility	jobs (data) that have not yet been sent will be displayed.
The status o	of the Direct Network

The status of the Direct Network Printing Utility (LPR) data will be displayed. (This is different from the actual printer status.)

Downloading files to the printer

Files can be downloaded to the device.



- Select [Download] from the [Remote Print] menu.

🕤 ОК	I LPR UTILITY	—	×
File R	emote Print Option Help		
Print	Download	ini Qu	
I Contraction of the second se	JOD Status	0	
	Printer Status		
	Pause		
	Add Printer		
	Delete Printer		
	Confirm Connections		
	Web Setting		

Select the file to be downloaded, and click [Open].

🗃 Send Files								×
← → ~ ↑ 🛙) This	PC > Documen	ts	~ (Search Do	cuments		P
Organize 👻 N	ew folder					811 v		0
📌 Quick access	^	Name	^	Date modified	Туре	Size		
		Test.pm		8/21/2018 2:23 PM	PRN File		1 KB	
Downloads	1							
👔 Documents	1							
	1							
_ PCL								
Adv								
Bas								
Temp2								
🗠 OneDrive								
This PC								
	File par	me: Test.pm						~
					Qpt		Cancel	
								d

The file download will start.

Checking/deleting/ transferring jobs

You can display and delete print jobs.

If you cannot print as the printer is in use, offline, or there is no paper, you can send the print job to another printer.

! Note

- You cannot send to printers manufactured by other companies.
- Forward to the same model name.

Select the device.

2 Select [Job Status] from the [Remote Print] menu.

E (OKI LF	PR UTILITY	1					_		×
File	Rem	note Print	Option	Help						
Print		Develop	.н			_	ini	Qu		
P		Job Statu	IS					0		
		Printer Status								
		Pause								
		Add Prin	ter							
		Delete Pr	inter							
		Confirm	Connectio	ons						
		Web Sett	ing							

The job will be displayed.

3 Select the print job to be deleted, and select [Delete Job] from the [Job] menu.

Printer Job Help		
Docume	Stat Date/Time	Size
Test Rag Delete Job	8/21/2018 2:50:41 FM	4622930

The job will be deleted.

 Select the print job to be forwarded, and select the destination printer using [Redirect] in the [Job] menu.

Pro9541WT PS	-	- 🗆 x
Printer Job Help		
Docume Redirect >	at Date/Time	Size
Test Pag	8/21/2018 2:52:30 PM	4622930
Delete Job		1046000
Status	Message	
Message Data Received OF		

The job will be sent to the destination printer.

! Note

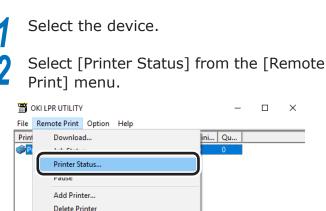
• For a printer to implement forwarding, it is necessary to set up the Direct Network Printing Utility (LPR) beforehand.

Checking the printer status

You can display the device status.

Confirm Connections..

Web Setting...



The device status will be displayed.

Pro9541WT PS	×
Ready To Print	
OK	
<u>.</u>	

// Memo

 You can also check using "Status" in the job display dialog box.

Adding printers

You can change the printer destination port to OKI LPR port.

! Note

 You cannot set a printer that is already registered in the Direct Network Printing Utility (LPR). To change the port, select "Reset printer".

Select [Add Printer] from the [Remote Print] menu.

i	OKI LPR	UTILITY					_	\times
File	Remot	te Print	Option	Help				
Print	0	Download	d			ini (Qu	
	J	lob Statu	s					
	P	Printer Sta	atus					
	P	Pause				l		
	(Add Print	er)		
	[Delete Pri	nter			ĺ		
	0	Confirm (Connectio	ins				

Select the printer name to be added using [Printer Name], and enter the printer IP address in [IP Address] and click [OK].

Add Printer		×
<u>P</u> rinter Name:	Pro9541WT PS	•
IP Address:	192.168.100.100	Discover
<u>C</u> omment:		
		D <u>e</u> tails
	OK Cancel	<u>H</u> elp

! Note

• Displayed in [Printer Name] only if the printer drivers have been added to the [Devices and printers] folder. Not displayed if set in the network printers.

🖉 Memo

• You can also click [Discover] to search for OKI printers on the network.

The printer is added to the main window.

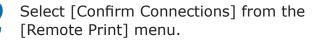
🖀 OKI LPR UTILITY	-	×
<u>File Remote Print Option H</u> elp		
Printer	Queue Sta Fini Qu	
Pro9541WT PS	Empty 0 0	

Automatically transferring jobs

If you cannot print as the printer is in use, offline, or there is a paper jam, you can send the print job to another printer automatically.

! Note

- You cannot send to printer manufactured by other companies.
- Make sure to forward to the same model name.
 - Select the device.



3	OKI LPR UTILITY	(-	\times
File	Remote Print	Option	Help			
Print	Downloa	id		ini	Qu	
P	Job Statu	15			0	
	Printer St	tatus				
	Pause					
	Add Prin	ter				
		• •				
	Confirm	Connectio	ns	J		
	Web Sett	ing				

Click [Details].

Confirm Connec	tion	×
<u>P</u> rinter Name:	Pro9541WT PS	Ψ.
IP Address:	192.168.100.100	Discover
<u>C</u> omment:		
	<u>R</u> e-connect	D <u>e</u> tails
	OK Cancel	Help



Enable the [Automatic Job Redirect Used] check box.

To forward only if a printer error such as "Offline" or "Paper out" occurs, also enable the [Forward only during an error] check box.

Confirm Connection	on	×
Printer Name:	Pro9541WT PS	_
IP Address:	192.168.100.100	Discover
<u>C</u> omment:		
LPR Settings		
Queue Name		Ψ.
LPR Bute Co	unting Enabled	
Automatic Job Re Automatic Job Redirect of		
IP addresses of p	rinters to <u>w</u> hich job is automatically r	Î
	<u>A</u> dd	Delete
Multi-cast Printing]	
Print to more	than one printer at a time	Options
Web setting Port <u>N</u> umbers	80	<u>R</u> e-connect
	OK Cance	el <u>H</u> elp

Click [Add], and set the destination IP address. Add an automatic job redirect printer × IP Address: 192.168.100.101 Discover. OK Cancel 🖉 Memo You can also click [Discover] to search for OKI printers on the network. Repeat the operation in Step 5 as h many times as there are candidate destinations. Confirm Connection × Printer Name Pro9541WT PS 192.168.100.100 IP Address Discover... Comment: - LPR Settings ☑ LPR Byte Counting Enabled Automatic Job Redirect ✓ Automatic Job Redirect Used Redirect only at the time of an error IP addresses of printers to which job is automatically redirected 192.168.100.101 ĵ 51, Add. Delete Multi-cast Printing Print to more than one printer at a time Web setting Port <u>N</u>umbers 80 ΟK Cancel Help 🖉 Memo To change the destination priority ranking, select the printer whose priority is to be changed using [IP addresses of printers to which job is automatically redirected], and then click the $[\uparrow]$ and $[\downarrow]$ buttons. (Clicking the $[\uparrow]$ button will increase the priority, and clicking $[\downarrow]$ will decrease the priority.) Click [OK].

Printing using multiple printers simultaneously

You can print to multiple printers using the onetime print instruction.

! Note

• Make sure to specify the same model for the printers to print simultaneously.

Select the printers.

Select [Confirm Connections] from the [Remote Print] menu.

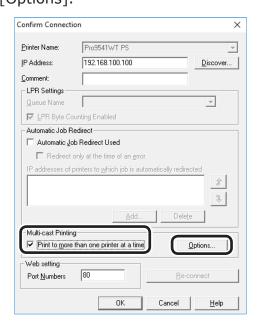
Print		Download	ini	Qu		
S P		Job Status		0		
		Printer Status	I .			
		Pause				
		Add Printer				
	_	D-1-1- D-1-1	L			
		Confirm Connections)			
		Web Setting	1			

Click [Details].

Δ

Confirm Connect	ion	×
Printer Name:	Pro9541WT PS	
<u>I</u> P Address: <u>C</u> omment:	192.168.100.100	Discover
	<u>R</u> e-connect	D <u>e</u> tails
	OK Cancel	Help

Enable the [Print to more than one printer at a time] check box, and click [Options].



Multicast print setu	up	×
Multicast printers		
IP Address	Comment	
	Add	<u>D</u> elete
		ave list rad list
Add Multicast pri	Lc	ad list
Add Multicast pri	Lc	ad list

🖉 Memo

• You can also add comments to the printers to print simultaneously. See "Adding comments" (P.109).

Repeat the operation in Step 5 as many times as there are printers to be added.

🖉 Memo

6

- Click [Save list] to save the information for the added printers.
- The saved printer information an be read and deleted by clicking [Load list].

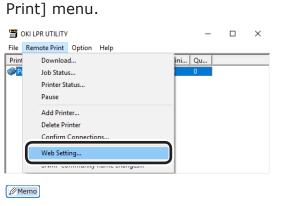
Click [OK].

Starting the web browser

Start your web browser to set the printer network and menus using the Direct Network Printing Utility (LPR).

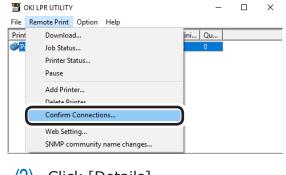
🖉 Memo

- For how to set up the settings, see the "Basic".
 - Select the device.



Select [Web Setting] from the [Remote

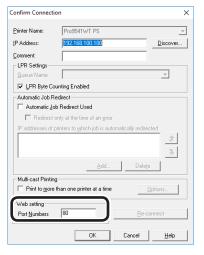
- If the web port number has been changed, change the port number setup of the Direct Network Printing Utility (LPR) using the following procedure.
- (1) Select the device.
- 2) Select [Confirm Connections] from the [Remote Print] menu.



(3) Click [Details].

Confirm Connect	tion	
Printer Name:	Pro9541WT PS	
IP Address:	192.168.100.100	Discover
Comment:		_
	<u>R</u> e-connect	D <u>e</u> tails
	OK Cancel	Help

(4) Enter the web port number in [Port Numbers].



(5) Click [OK].

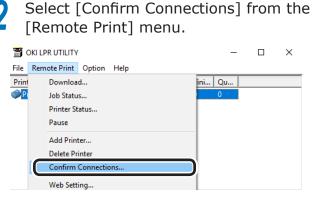
Adding comments

You can add comments to the printers added to the Direct Network Printing Utility (LPR).

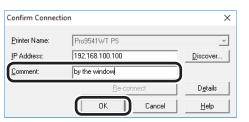
🖉 Memo

• This is convenient for entering the printer installation site and optional installations.

Select the printers.



Enter the comments in [Comment], and click [OK].



Select [Show comments] in the [Option] menu.

🗃 OKI LPR UTILITY		-	×
File Remote Print	Ontion Halp		
Printer	Show comments	Fini Qu	
Pro9541WT PS	Setup SNMP Setup	0 0	

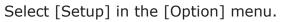
🖀 OKI LPR UTILITY		-		×
<u>File R</u> emote Print <u>Option H</u> elp				
Printer	Comment	Queue Sta		Qu
Pro9541WT PS	by the window	Empty	0	0
-				

Setting IP addresses automatically

If the printer IP address changes each time you connect to the DHCP server and the power supply is turned ON, you can automatically detect and reset the IP address that has changed.

! Note

• The search targets follow the search range settings of the Direct Network Printing Utility (LPR).



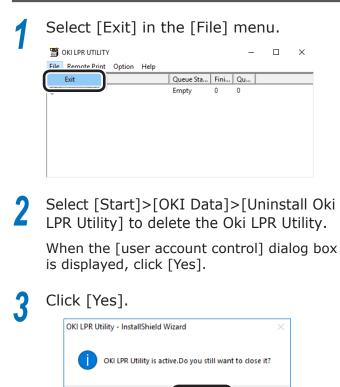
GKI LPR UTILITY			×
Printer	Show comments	Fini Qu	
Pro9541WT PS	Setup	0 0	
	SINIVIE SELUP		
		_	

Enable the [Auto Reconnect] check box.



Click [OK].





Yes

No

The deletion will start.

Network Extension

You can easily check the device settings and set the optional device configurations from the printer drivers.

Reference

• Network Extension is installed together with the printer drivers.

Operations environment

PCs running Windows 10/Windows 8.1/Windows 8/Windows 7/Windows Server 2016/Windows Server 2012 R2/Windows 2012/Windows Server 2008 R2/Windows Server 2008 Versions

PCs operating using TCP/IP

! Note

- The software operates in tandem with the printer drivers, so it is necessary to install the printer drivers.
- Network Extension is installed automatically when the printer drivers are installed using a TCP/IP network connection.
- The printer driver connection destination operates only in the following circumstances.
 - OKI LPR Port
 - Standard TCP/IP Port
- PC administrator privileges are required for the setup.

Checking the printer settings

You can check the setup details for the connected device.

! Note

- Even if Network Extension is installed, the [Options] tab is not displayed if there is a mismatch with the operations environment.
- 1 Click [Start], and then select [Devices and printers].
- 2 Right-click the [Pro9541WT(PS)] icon, and select [Printer properties].
- Click the [Status] tab.
- Click the [Update] button.

The setup details for the device will be displayed in the "Device Settings".

5 Click [OK].

🖉 Memo

 Click the [Web Setting] button to start the Web browser automatically and display the device setup details. For details, see "Setting the network from the web browser" (P.135).

Setting options automatically

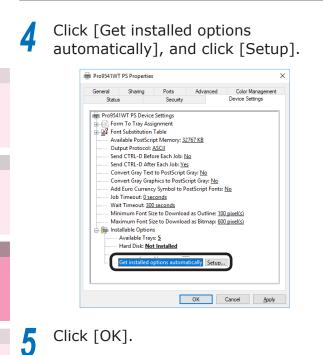
You can acquire the optional configurations for the connected and implement the printer driver setup automatically.

! Note

• Even if Network Extension is installed, setup is disabled if there is a mismatch with the operations environment.

Windows PS drivers

- Click [Start], and then select [Devices and printers].
- Right-click the [OKI (product name) (PS)] icon, and select [Printer properties].
 - Select the [Device Settings] tab.



Uninstalling

- Select [Start]>[Control panel], and click [Uninstall program].
- 2 Select [OKI Network Extension], and click [Uninstall].
 - Follow the directions to delete.

3

Mac OS X utilities

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

Panel language setup

Setting the printer

You can change the display language of the control panel.

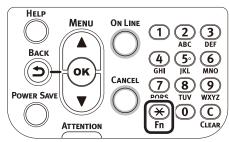
	Language version :	1.16
Select the Language.		
English	0	
supports printer Language for Language format on the printe		
	a mene map page.	



Output the device menu map.

(1) Press the [Fn] key.

> The numerical values input screen will be displayed.



Press [1], [0], [0], and press the (2) [OK] button.

Fu	Function Number						
	100 0 Enter 1-3digit Number						

Start the panel language setup utility.

Reference

• See "Installing utilities" (P.93).

Select a connection method.

If [TCP/IP] has been selected, enter the IP address. You can check the IP address using the menu map output in Step 1.

Click [OK].

4

5 Check that the value of the "Language Format" in the menu map and the value of the language version displayed in the window match the following conditions.

Condition 1: the least numbers of the version match

Condition 2: the value of the language version shown in the window is either the same or newer (greater) than the value of the "Language Format"

ØMemo

• If condition 1 is not satisfied, the language settings cannot be downloaded. If the settings are downloaded without condition 1 being satisfied, an error will be displayed on the control panel. To recover, restart the device. Even if condition 1 is satisfied, if condition 2 is not satisfied, some of the settings names may be displayed in English.

Select the language. 6

Click [Download].

The file to set the language will be sent to the device, and a message stating that transmission has finished will be displayed.



Restarts the device.

Network Card Setup Utility

The network can be set using the Network Card Setup Utility.

Q	Device Webpage Change Password	*		He
Printer Name	IP Assignment	IP address	MAC address	Web
B821	Manual	10.49.132.144	00:80:87:A2:31:32	enable
MC883	Manual	10.49.132.129	00:25:36:AE:D4:1A	enable
MC883	Manual	10.49.132.130	00:25:36:C1:EB:A7	enable
MC883	Manual	10.49.132.131	00:25:36:C1:EB:1B	enable

TCP/IP must be enabled to use the Network Card Setup Utility.

! Note

• Set the TCP/IP.

Setting IP addresses

Start the Network Card Setup Utility.

Reference

• See "Installing utilities" (P.93).

Select the device.

Select [IP Address Setup] from the [Setup] menu.

Specify the settings as necessary, and click [Setup].

Enter the password, and click [OK].

- The factory-set password is the last six alphanumeric characters of the Mac address.
- The password is case-sensitive.
- Click [OK] to enable the new settings. The device network card will restart.

Making web settings

The device network can be set by starting the web page.

Enabling web settings

- Select [Web Setup] from the [Setup] menu.
 - Select [Enable] and click [Setup].
- Enter the password in [Input password], and click [OK].
 - The factory-set password is the last six alphanumeric characters of the MAC address.
 - The password is case-sensitive.
- Click [OK] in the verification window.

Opening web pages

Start the Network Card Setup Utility.

Reference

- See "Installing utilities" (P.93).
- Select the device.
 - Select [Display web page] from the [Setup] menu.

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

Finishing the Network Card Setup Utility

Select [Exit] from the [File] menu.

Network Setup

Network setting items	116
Initializing network settings	129
Using DHCP	130
Using SNMP	133
About IPv6	134
Setting the network from the web browser	135

- 115 -

Network setting items

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

Press the scroll buttons \blacktriangle or \checkmark on the control panel, and then select [Print printer information]>[Network] to print a settings list and check the current network settings.

Reference

• For how to print the network settings list, see "Printing printer information" (P.170).

The network settings can be changed using the device web page, Configuration Tool, and Network Card Setup Utility. See the following table for the menus that can be used with the utilities.

Device Information

		Item			
	Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
	Administrator contacts	-	-	(None)	Specify the system administrator contact details using 255 single-byte characters max.
	Printer name	-	-	OKI-(Product name)-(Last 6 digits of MAC address)	Set the device name using 31 single-byte characters max.
necking and	Short printer name	-	-	(Product name)-(Last 6 digits of MAC address)	Set the device short printer name using 15 single-byte characters max.
	Installation location	-	-	(None)	Set the device location using 255 single-byte characters max.
	Printer control number	-	-	(None)	Set a user-defined number to manage the device using 32 single-byte characters max.

General Network Setup

	Item				
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation	
NetBIOS over TCP	-	-	Enable	Sets whether to use or not use NetBIOS over TCP protocols.	
EtherTalk	-	-	Disable	Sets whether to use or not use EtherTalk protocols.	
Gigabit network	-	-	Disable	Sets whether to use or not use the Gigabit network.	
Hub connection	-	-	Auto	Specifies the baud rate and communications methods between the hub and the device.	

4

■ TCP/IP

	Item			
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
IP address setting	IP address acquisition method	IP address acquisition method	Auto	Specifies the IPv4 address setup methods.
IPv4 address	IP address	IP address	xxx.xxx.xxx. xxx	Sets the IPv4 address.
Subnet mask	Subnet mask	Subnet mask	xxx.xxx.xxx. xxx	Sets the subnet mask.
Gateway address	Default gateway address	Default gateway address	xxx.xxx.xxx. xxx	Sets the gateway address.
DNS server address (primary)	-	-	0.0.0.0	Specifies the IP address of the primary DNS server. Make sure to set this item if specifying the STMP server using the domain name.
DNS server address (secondary)	-	-	0.0.0.0	Specifies the IP address of the secondary DNS server. Make sure to set this item if specifying the STMP server using the domain name.
Dynamic DNS	-	-	Disable	Specifies whether to register the information to the DNS server when the settings have changed.
Domain name	-	-	(None)	Sets the domain name for the device.
WINS server (primary)	-	-	0.0.0.0	Specifies the WINS server name or IP address (Windows only).
WINS server (secondary)	-	-	0.0.0.0	Specifies the WINS server name or IP address (Windows only).
Scope ID	-	-	(None)	Specifies the WINS Scope ID. Specify using 1 to 233 single-byte characters.
Windows	-	-	Disable	Specifies whether to use the Windows auto detection function.
Macintosh	-	-	Enable	Specifies whether to use the Macintosh auto detection function.
Printer name	-	-	OKI-(Product name)-(Last 6 digits of MAC address)	Specifies the device name displayed when the auto detection function is enabled.
WSD Print	-	-	Enable	Specifies whether to use WSD Print.
LLTD	-	-	Enable	Specifies whether to use LLTD.

EtherTalk

	Item			
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
Zone name	-	-	*	Specifies the EtherTalk zone name using 32 single-byte characters max.
Printer name	-	-	(Product name)	Specifies the EtherTalk printer name using 31 single-byte characters max.

■ NetBIOS over TCP

Item				
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
Short printer name	-	-	(Product name)-(Last 6 digits of MAC address)	Set the name identified using NetBIOS over TCP using 15 single-byte characters max. In Windows, this is displayed in the PrintServer group for the network PC.
Work group name	-	-	PrintServer	Sets the work group name displayed in the Windows network PC using 15 single-byte characters max.
Master browser setup	-	-	Enable	Specifies whether to use the master browser.
Comments	-	-	EthernetBoard OkiLAN 9400g	Sets the comments using 48 single-byte characters max. Displayed when the Windows Explorer display is advanced.

E-mail receiving settings

Item				
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
Use receiving protocol	-	-	Disable	Specify whether to use the mail receiving function. Select the protocol you want to use.
POP server name	-	-	(None)	Specify the POP server name. Input the domain name and the IP address. If you input the domain name, please set the DNS accordingly.
POP user ID	-	-	(None)	Set the user ID to access the POP server.
POP password	-	-	(None)	Set the password to access the POP server.
APOP support	-	-	Disable	Specify whether to use APOP.
POP port number	-	-	110	Specify the port number to access the POP server.
POP receiving interval	-	-	5 mins.	Specify the interval to access the POP server for receiving mails.
Domain filter	-	-	Disable	Specify whether to use the domain filter function.
E-mail from the following listed domains	-	-	Authorization	Specifies whether to accept or block E-mails from the specified domain.
Domain 1 - 5	-	-	(None)	Specify the domain to which the domain filter function applies.
SMTP receiving port number	-	-	25	Specify the port number to access this machine via SMTP.

■ E-mail sending settings

Item				
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
SMTP sending	-	-	Disable	Sets whether to use the SMTP (e-mail) send protocols.
SMTP Server name	-	-	None	Sets the SMTP server name. Specify the domain name or IP address. It is necessary to set DNS(Pri)(Sec) if specifying the domain name.
Printer e-mail Address	-	-	None	Sets the device e-mail address.
SMTP Port No.	-	-	25	Sets the SMTP port number. In general, use the default setting.
SMTP authentication	-	-	Disable	Sets whether to implement SMTP authentication.
User ID	-	-	None	Sets the SMTP authentication user ID.
Password	-	-	None	Sets the SMTP authentication password.
Additional information Setup Printer model	-	-	Enable	Sets whether to include the printer model name in the printer information described in the outgoing mail.
Additional information Setup Network interface	-	-	Enable	Sets whether to include the network interface name in the printer information described in the outgoing mail.
Additional information Setup Printer serial number	_	-	Enable	Sets whether to include the device serial number in the printer information described in the outgoing mail.
Additional information Setup Printer control number	-	-	Disable	Sets whether to include the device management number in the printer information described in the outgoing mail.
Additional information Setup Printer name	-	-	Disable	Sets whether to include the system name in the printer information described in the outgoing mail.
Additional information Setup Installation location	-	-	Disable	Sets whether to include the system location in the printer information described in the outgoing mail.
Additional information Setup IP address	-	-	Enable	Sets whether to include the IP address in the printer information described in the outgoing mail.
Additional information Setup MAC Address	-	-	Disable	Sets whether to include the MAC address in the printer information described in the outgoing mail.

1

2

4 Network Setup

Item				
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
Additional information Setup Short printer name	-	-	Disable	Sets whether to include the device short printer name in the printer information described in the outgoing mail.
Additional information Setup Printer URL	-	-	Disable	Sets whether to include the device URL in the printer information described in the outgoing mail.
Comments	-	-	None	Sets the comments added to the end of the outgoing mail. Up to 4 lines can be set. Enter up to 63 characters per line, and a carriage return is implemented automatically when this number is exceeded.
Return destination e-mail address	-	-	None	Sets the return address. Normally, specify the mail address of the network administrator.
E-mail Address 1 to 5	-	-	None	Sets the send destination address. Up to 5 addresses can be specified.
Malfunction notice Method	-	-	Notification when a malfunction occurs	Sets the method for notifying of malfunctions.
Mail notification interval	-	-	24	Sets the notification interval. Enabled only if periodic notifications are selected.
Consumables warning	-	-	Immediate	Sets whether to notify you immediately regarding printer consumables (toner cartridges, image drum units, etc.) Enabled only if notify upon occurrence is selected.
Consumables warning	-	-	Enable	Sets whether to notify you immediately regarding printer consumables (toner cartridges, image drum units, etc.) Enabled only if periodic notifications are selected
Consumables Error	-	-	Immediate	Sets whether to notify you of errors regarding printer consumables (toner cartridges, image drum units, etc.) Enabled only if notify upon occurrence is selected.
Consumables Error	-	-	Enable	Sets whether to notify you of errors regarding printer consumables (toner cartridges, image drum units, etc.) Enabled only if periodic notifications are selected.
Maintenance unit warnings	-	-	2H 0M	Sets whether to notify you regarding maintenance units (fuser units, belt units, etc.) Enabled only if notify upon occurrence is selected.
Maintenance unit warnings	-	-	Enable	Sets whether to notify you regarding maintenance units (fuser units, belt units, etc.) Enabled only if periodic notifications are selected.
Maintenance units Error	-	-	Immediate	Sets whether to notify you regarding maintenance uni errors (fuser units, belt units, etc.) Enabled only if notify upon occurrence is selected.

	Item			
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
Maintenance units Error	-	-	Enable	Sets whether to notify you regarding maintenance unit errors (fuser units, belt units, etc.) Enabled only if periodic notifications are selected.
Refill paper warning	-	-	0H 15M	Sets whether to notify you of paper warnings. Enabled only if notify upon occurrence is selected.
Refill paper warning	-	-	Enable	Sets whether to notify you of paper warnings. Enabled only if periodic notifications are selected.
Refill paper error	-	-	Immediate	Sets whether to notify you of paper errors. Enabled only if notify upon occurrence is selected.
Refill paper error	-	-	Enable	Sets whether to notify you of paper errors. Enabled only if periodic notifications are selected.
Paper warning during printing	-	-	Disable	Sets whether to notify you of paper feed warnings. Enabled only if notify upon occurrence is selected.
Paper warning during printing	-	-	Disable	Sets whether to notify you of paper feed warnings. Enabled only if periodic notifications are selected.
Paper error during printing	-	-	2H 0M	Sets whether to notify you of paper feed errors. Enabled only if notify upon occurrence is selected.
Paper error during printing Paper Error	-	-	Enable	Sets whether to notify you of paper feed errors. Enabled only if periodic notifications are selected.
Storage device	-	-	Disable	Sets whether to notify you of storage device warnings. Enabled only if notify upon occurrence is selected.
Storage device	-	-	Enable	Sets whether to notify you of storage device warnings. Enabled only if periodic notifications are selected.
Print results Warning	-	-	Disable	Sets whether to notify you of malfunction affecting the print results. Enabled only if notify upon occurrence is selected.
Print results Warning	-	-	Enable	Sets whether to notify you of malfunction affecting the print results. Enabled only if periodic notifications are selected.
Print results Error	-	-	2H 0M	Sets whether to notify you of errors affecting the print results. Enabled only if notify upon occurrence is selected.
Print results Error	-	-	Enable	Sets whether to notify you of errors affecting the print results. Enabled only if periodic notifications are selected.
Interface errors Warning	-	-	Disable	Sets whether to notify you of interface (network, etc.) warnings. Enabled only if notify upon occurrence is selected.
Interface errors Warning	-	-	Disable	Sets whether to notify you of interface (network, etc.) warnings. Enabled only if periodic notifications are selected.
Interface errors Error	-	-	2H 0M	Sets whether to notify you of interface (network, etc.) errors. Enabled only if notify upon occurrence is selected.
Interface errors Error	-	-	Enable	Sets whether to notify you of interface (network, etc.) errors. Enabled only if periodic notifications are selected.
Security	-	-	Disable	Sets whether to notify you of warnings occurring in the security functions. Enabled only if notify upon occurrence is selected.

	Item			
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
Security	-	-	Disable	Sets whether to notify you of warnings occurring in the security functions. Enabled only if periodic notifications are selected.
Advanced	-	-	2H 0M	Sets whether to notify you of other major errors. Enabled only if notify upon occurrence is selected.
Advanced	-	-	Enable	Sets whether to notify you of other major errors. Enabled only if periodic notifications are selected.

■ SNMP

	Item				
	Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
	Setting SNMP to be used	-	-	SNMPv3+v1	Specifies the SNMP version.
1	User name	-	-	root	Set the SNMPv3 user name using 32 single-byte characters max.
	Secure Print Setting Pass phrase	-	-	(None)	Sets the password to create an authentication key for SNMPv3 packet authentication. Set using 8 to 32 single-byte characters.
	Secure Print Setting Algorithm	-	-	MD5	Specifies the algorithm for SNMPv3 packet authentication.
	Encrypted settings Pass phrase	-	-	(None)	Sets the password to create a privacy key for SNMPv3 packet encryption. Set using 8 to 32 single-byte characters.
	Encrypted settings Algorithm	-	-	DES	Specifies the algorithm for SNMPv3 packet encryption. This value cannot be changed.
	New SNMP read community	-	-	public	Sets the SNMPv1 read community using 15 single-byte characters max.
	New SNMP write community	-	-	public	Sets the SNMPv1 write community using 15 single-byte characters max.

■ SNMP Trap

	Item			
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
Printer trap community setup	-	-	public	Sets the printer trap community using 31 single- byte characters max.
Address 1 to 5	-	-	0.0.0.0	Specifies the trap notification destination. You can specify up to 5 addresses max.

	Item			
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
Trap send authorizations 1 to 5	-	-	Disable	Specifies whether to use printer trap in TCP numbers 1 to 5.
Printer restart 1 to 5	-	-	Disable	Specifies whether to send SNMP messages when the printer is restarted.
Illegal trap receipt 1 to 5	-	-	Disable	Specifies whether to use the trap when the device is accessed using a utility name not set using [Printer trap community name setup].
Online 1 to 5	-	-	Disable	Specifies whether to send SNMP messages whenever the device is online.
Offline 1 to 5	-	-	Disable	Specifies whether to send SNMP messages whenever the device is offline.
No paper 1 to 5	-	-	Disable	Specifies whether to send SNMP messages when the device is out of paper.
Paper jam 1 to 5	-	-	Disable	Specifies whether to send SNMP messages when a paper jam occurs.
Cover open 1 to 5	-	-	Disable	Specifies whether to send SNMP messages when the device cover is open.
Printer error 1 to 5	-	-	Disable	Specifies whether to send SNMP messages when an error occurs.

■ IPP

	Item			
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
IPP	-	-	Disable	Specifies whether to use IPP.
Notices from the administrator	-	-	(None)	Enter a message according to the language selected using [Character code] and [Language].
Character code	-	-	UTF-8	Specifies the character set used when sending the settings to the device.
Language	-	-	EN-US	Specifies the language used in the setup, including the text strings.
AUTHENTICATION	-	-	NONE	Specifies whether to use authentication when implementing IPP printing.
User name 1 to 50	-	-	(None)	Specifies the user name using 63 single-byte characters max. If [BASIC] has been selected in [Secure print].
Password 1 to 50	-	-	(None)	Specifies the password using 16 single-byte characters max. If [BASIC] has been selected in [Secure print].

■ SNTP

	Item			
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
SNTP	-	-	Manual	Sets whether to use or not use SNTP protocols.
NTP server (Primary)	-	-	None	Sets the IP address of the (primary) NTP server that acquires the time.
NTP server (Secondary)	-	-	None	Sets the IP address of the (secondary) NTP server that acquires the time.
Time zone	-	-	00:00	Sets the time difference from GMT.
Summertime	-	-	OFF	Sets summertime.

■ IEEE802.1X

4		Item			
Network Setup	Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
5	IEEE802.1X	-	-	Disable	Specifies whether to useIEEE802.1X.
는 음 x 붉	EAP type	-	-	EAP-TLS	Specifies the EAP method.
hecking and anging Printer ettings Using Control Panel	EAP user	-	-	(None)	Sets the user name used by EAP using 64 single- byte characters max.
	EAP password	-	-	(None)	Sets the password used by EAP using 64 single- byte characters max. Enabled only if [PEAP] is selected in [EAP type].
Appendix	Client certificate setup	-	-		Specifies whether to use SSL/TLS certificate in IEEE802.1X authentication. Cannot be used if SSL/TLS certificate is not installed. Enabled only if EAP-TLS are selected.
5	CA certificate setup	-	-	Authenticating the server	Specifies whether to authenticate the certificate received from the RADIUS server using CA certificate.

4

Security

Item				
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
NetBIOS over TCP	-	-	Enable	Specifies whether to use NetBIOS over TCP.
EtherTalk	-	-	Disable	Specifies whether to use EtherTalk.
Web (port No.: 80)	Device setup (web) - Enabled	Web setup	Enable	Specifies whether to access the device using web pages.
Web	-	-	80	Specifies the port number to access the device web page.
IPP (port No.: 631)	-	-	Disable	Specifies whether to use IPP.
Telnet	-	-	Disable	Specifies whether to access the device using Telnet.
FTP	-	-	Disable	Specifies whether to access the device using FTP.
SNMP	-	-	Enable	Specifies whether to access the device using SNMP.
POP	-	-	Disable	Specifies whether to use POP3.
POP	-	-	110	Specifies the port number of POP3.
SNTP	-	-	Disable	Specifies whether to use SNTP.
Local Ports	-	-	Enable	Specifies whether to use specific protocols.
SMTP sending	-	-	25	Specifies the SMTP send port number.
Network functions Change password	Change password	Change password	(Last 6 digits of MAC address)	Sets a new administrator password using 15 single-byte characters max. The password is case-sensitive. This password is used only when changing the setup from the utilities. The administrator password set using the device cannot be changed from this item.

■ IP filtering

	Item				
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation	
IP filtering	-	-	Disable	Specifies whether to use IP filtering. Make sure to make the following category settings if enabling IP filtering. Unless these settings are made, the device cannot be accessed via TCP/IP.	
Start address 1 to 10	-	-	0.0.0.0	Specifies the IP address authorized by access t the device. You can specify individual addresse	
End address 1 to 10	-	-	0.0.0.0	or the address range.	
Print 1 to 10	-	-	Disable	Specifies whether to authorize print jobs from the specified IP address.	
Setup 1 to 10	-	-	Disable	Specifies whether to authorize setup changes from the specified IP address.	
IP address of the registered administrator	-	-	0.0.0.0	Automatically specifies the administrator IP address. Normally only this address can access the device. All accesses are authorized via proxy servers if the administrator accesses the server via a proxy server.	

MAC address filtering

Item				
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
MAC address filtering	-	-	Disable	Specifies whether to use MAC address filtering. This function is used to control access from the MAC address. Make sure to make the following category settings if enabling MAC address filtering. Unless these settings are made, the device cannot be accessed via a network.
Notifications from the following MAC addresses	-	-	Authorization	Specifies whether to authorize or deny access from the specified MAC address.
MAC address 1 to 50	-	-	00:00:00: 00:00:00	Specifies the MAC address to which filtering is applied.
MAC address of the registered administrator	-	-	00:00:00: 00:00:00	Automatically specifies the administrator MAC address. Normally only this address can access the device. All accesses are authorized via proxy servers if the administrator accesses the server via a proxy server.

Encryption (SSL/TLS)

Item				
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
HTTP/IPP	-	-	Disable	Specifies whether to encrypt HTTP/IP communications.
HTTP/IPP encryption strength	-	-	Standard	Specifies the encryption strength of HTTP/IPP communication.
Incoming FTP	-	-	Disable	Specifies whether to encrypt receiving via FTP.
FTP receiving encryption strength	-	-	Standard	Specifies the encryption strength of receiving via FTP.
SMTP receiving	-	-	Disable	Specifies whether to encrypt receiving via SMTP.
SMTP receiving encryption strength	-	-	Standard	Specifies the encryption strength of receiving via SMTP.
Select the type of certificate used.	-	-	Using the certificate signed by you	Creates your signed certificate. Further, creates the CSR to be sent to the authenticator, and installs the certificate issued by the authenticator.
Common Name	-	-	(Printer IP address)	The device IP address is specified when your signed certificate is created.
Organization	-	-	(None)	Specifies the formal name of the organization to which the user belongs using 64 single-byte characters max.
Organizational Unit	-	-	(None)	Specifies the name of the sub-group (store, etc.) to which the user belongs using 64 single-byte characters max.
Locality	_	_	(None)	Specifies the region name to which the user belongs using 128 single-byte characters max.

Item				
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
State/Province	-	-	(None)	Specifies the state or prefectural name to which the user belongs using 128 single-byte characters max.
Country/ Region	-	-	(None)	Specifies the country code or region code using 2 single-byte characters.
Key exchange method	-	-	RSA	Specifies the key method for encrypted communications.
Key size	-	-	1024bit	Specifies the key size for encrypted communications.

■ IPSec

	Item			
Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
IPSec	-	-	Disable	Specifies whether to use IPSec.
IP address 1 to 50	-	-	0.0.0.0	Specifies the host that authorizes communications using IPSec.
IKE encryption Algorithm	-	-	AES-CBC 128	Specifies the IKE encryption method.
IKE hash Algorithm	-	-	SHA-1	Specifies the IKE hash method.
Diffie-Hellman group	-	-	Group2	Specifies the Diffie - Hellman group used by "Phase 1 Proposal".
Lifetime	-	-	28800 (s)	Specifies the "ISAKMP SA" lifetime.
Advance common key	-	-	(None)	Specifies the advance common key.
Key PFS	-	-	NOPFS	Specifies whether to use Key PFS (Perfect Forward Secrecy).
Diffie - Hellman group when Key PFS is enabled	-	-	None	Specifies the Diffie - Hellman group used by Key PFS.
ESP encryption Algorithm	-	-	AES-CBC 128	Specifies the algorithm for the ESP encryption algorithm.
ESP authentication Algorithm	-	-	SHA-1	Specifies the algorithm for the ESP authentication algorithm.
AH authentication Algorithm	-	-	SHA-1	Specifies the AH authentication algorithm.
Lifetime	-	-	3600 (s)	Specifies the "IPSec SA" lifetime.

■ Maintenance

	Item				
	Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation
	Restarting the network	-	-	Implement	Use to restart the network card.
	Initializing the network	-	-	Implement	Use to restore the network settings to the factory settings.
ł	Network scale	-	-	Normal	Use the factory settings. [Small] is recommended provided you are using a small-scale LAN connecting multiple PCs.
	Sleep cancellation setting	-	-	Disable	Use the factory settings. Set to "Enable" to cancel sleep mode using MIB Get.

	■ Web printing					
Network Setup		Item				
up 5	Web Page	Configuration Tool/ Network Setting Plug-in	Network Card Setup Utility (Mac OS X)	Factory Default Settings	Explanation	
hecking and anging Printer ettings Using Control Panel	Paper feed tray	-	-	Auto selection	Specifies the tray used in the print job.	
	Copies	-	-	1	Specifies the copies.	
	Batch printing	-	-	Disable	Specifies whether to sort the output.	
Appen	Align to paper size	-	-	Enable	Specifies whether to align the document size to the paper size.	
dix	Print page specification	-	-	Disable	Specifies the pages to be printed.	
-	PDF password	-	-	Disable	If printing an encrypted PDF file, select the item and enter the required password.	

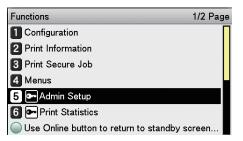
Initializing network settings

! Note

• Implementing this operation will initialize all network settings.

Press the scroll button \blacktriangle or \blacktriangledown .

2 Select [Admin Setup], and press the [OK] button.

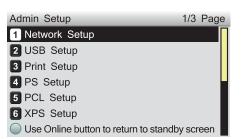


3 Enter the administrator password, and press the [OK] button.

nter Password

(6 - 12 digits)
Use Online button to return to standby screen.

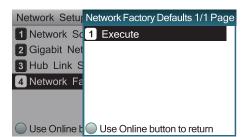
Select [Network Setup], and press the [OK] button.



5 Select [Network Factory Defaults], and press the [OK] button.

Network Setup	3/3	Page
1 Network Scale		
2 Gigabit Network		
3 Hub Link Setting		
4 Network Factory Defaults		
Use Online button to return to stand	by sci	reen

6 [Execute] will be displayed, so press the [OK] button.



The display will return to the standby screen.



Using DHCP

The IP address can be acquired from the DHCP server.

! Note

- PC administrator privileges are required for the setup.
- Incorrectly allocating the IP address may cause major malfunctions such as crashing the network. Thoroughly consult the network administrator before making the settings.

Setting the DHCP server

DHCP is the protocol that allocates IP addresses automatically to each TCP/IP network. You can set a subnet mask in addition to the IP address.

! Note

 Set the DHCP server so that a fixed IP address is allocated to the device. Allocating IP addresses randomly may disable printing via the network. See the DHCP server manuals for how to allocate fixed IP addresses.

∅ Memo

- Compatible with the following OS.
- Windows Server 2016/Windows Server 2012 R2/Windows
 Server 2012/Windows Server 2008 R2/Windows Server 2008
- The following procedure uses Windows Server 2008 R2 as an example. Depending on the OS, descriptions may differ.
 - Click [Start], and select [Admin tools]>[Server manager].

If [DHCP] is already displayed in [Admin tools], go to Step 8.

- Select [Add role] in [Role summary].
 - In the [Add role wizard], click [Next].
- Enable the [DHCP server] check box, and click [Next].
- Make settings as necessary following the on-screen instructions.
- 6 Check the settings using the [Check installation options], and click [Install].
- 7 When the installation has finished, click the [Exit] button.
- Click [Start], and select [Admin tools]>[DHCP] to start the [DHCP] wizard.

Select the server to be used from the DHCP list.

Select [New scope] from the [Operations] menu.

11 Use the [New scope wizard] to make the settings as necessary by following the on-screen instructions.

🖉 Memo

- Make sure to set the default gateway.
- Select [Activate immediately] in the [Activate scope] screen.

Click [Finish].

Select the new scope from the DHCP list, and select [Reserve].

4 Select [New reservation] from the [Operations] menu.

- ${\color{black}{\overline{}}}$ Make the settings.
- Click [Add].

7 Click [Exit].

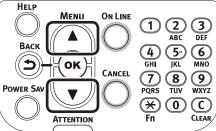
Select [Finish] from the [File] menu.

Setting the printer

To use the device on a DHCP environment, set the IP address setup method to automatic.

Further, the default factory setting is to set the IP address automatically, so implementing this procedure is unnecessary.

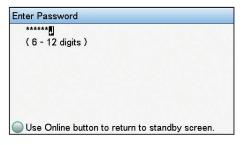
Press the scroll button \blacktriangle or \blacktriangledown .



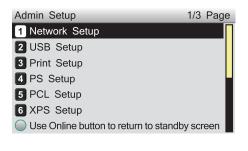
Select [Admin Setup], and press the [OK] button.

Functions	1/2 Page
1 Configuration	
2 Print Information	
3 Print Secure Job	
4 Menus	
5 🕶 Admin Setup	
6 - Print Statistics	
Use Online button to return to standby sc	reen

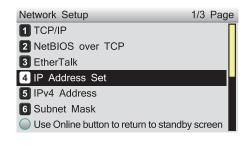
Enter the administrator password, and press the [OK] button.



Select [Network Setup], and press the [OK] button.



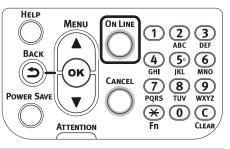
Select [IP Address Set], and press the 5 [OK] button.



Select [Auto], and press the [OK] 6 button.

Network Setu	IP Address Set 1/1 Page
1 TCP/IP	1 🗸
2 NetBIOS or	2 Manual
3 EtherTalk	
4 IP Address	
5 IPv4 Addre	
6 Subnet Ma	
Use Online	Use Online button to return

Press the [ON LINE] button to return to the standby screen.





1

2

3

4

■ Using on a BOOTP environment

To use the device on a BOOTP environment, set the IP address setup method to BOOTP.

- Access the device web page, and log in as an administrator.
 - Select [Admin Setup].
- Select [Network Setup]>[TCP/IP]>[Change Settings]>[Get IP address automatically (BOOTP)].

Click [Submit].

Using SNMP

Use SNMP manager compatible with SNMPv3 to encrypt the device controls using SNMP.



1

as an administrator.

Select [Admin Setup].

Select [Network Setup]>[SNMP]>[Setup].

Access the device web page, and log in

Implement advanced setup by following the on-screen instructions.

Click [Submit].

The network will restart, and the new settings will be enabled.

// Memo

6

 The device is mounted to the SNMP agent. You can use a commercially-available SNMP agent to check and change the device settings. For the device MIB, see the "Software DVD-ROM", and check the "ASN" file in the [Misc]>[MIB Files] folder.

About IPv6

The device is compatible with IPv6, and the IPv6 address is acquired automatically. IPv6 addresses cannot be set manually.

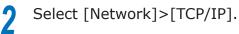
The device is compatible with the following protocols.

- Print:
 - LPR
 - IPP
 - RAW (Port9100)
 - FTP
- Setup:
 - HTTP
 - SNMPv1/v3
 - Telnet

Checking IPv6 addresses

IPv6 addresses are allocated automatically.

Access the device web page, and select [Device information].



// Memo

• If all the global addresses are displayed as "0", it is possible an error has occurred in the router being used.

Reference

• Press the scroll buttons ▲ and ▼, and select [Print Information]>[Network] to check the IPv6 address using the device network report. For reports and how to print reports, see "Printing printer information" (P.170).

Setting the network from the web browser

Operations environment

PCs with Microsoft Internet Explorer Ver. 6.0 or later, Safari Ver. 3.0 or later, or Firefox 3.0 or later installed.

PCs operating using TCP/IP

🖉 Memo

• Check that the web browser security is set to medium.

The following explanation uses the following environments as examples.

- Printer name: C931
- Printer IP address: 192.168.0.2
- MAC Address: 00:80:87:84:9C:9B
- Web browser: Microsoft Internet Explorer Ver.8.0

Starting up

Start the web browser.

2 Enter the URL "http://printer IP address/" in the address bar, and press the Enter key.

🏉 C931 - W	indows Internet Explorer
<	http://192.168.0.2/s
🚖 🏼 🏉 C93	31

The printer status screen will be displayed.

! Note

- If including values to 1 or 2 digits in the IP address, do not enter "0" before the value. Otherwise, communications may be disabled.
 - E.g.: Correct input value: http://192.168.0.2/ Incorrect input value: http://192.168.000.002/

Logging in as an administrator

! Note

• To change the device settings using the web browser, it is necessary to log in as a device administrator.

Click [Administrator Login].



Enter "root" in [Username], and the current password in [Password], and click [OK].

Vindows Security The server 192.:	r
	root •••••• Image: Remember my credentials
	OK Cancel

// Memo

• The password is the same as for the "Administrator password" in the control panel.

Set the printer information that can be checked using the network, and click either [OK] or [SKIP].

http://www.okiprintingsolutions			
Setup Printer This is the first login to the print			
If you would like to perform bas "OK", Otherwise press "SKIP",	ic setup of the device, please com	plete the fields, and press	
Printer Identification			
Printer Name	OKI-C931-0600A2 (Max.31	characters)	
	This is the devices identity on the net	work (ayaNama, and Printer Nama).	
E	EtherTalk		
Short Printer Name	C931-0600A2 (Max 15 chara		
	This is Printer Name for WING. A max (alpha/numeric characters and "-" are	imum of 15 characters can be used acceptable.)	
Printer Location		(Max 255 characters)	
Asset Number		(Max.22 characters)	
Contact Name - Administrator		(Max 233 characters)	
Protocol			
TCP/IP	Enable		
NetBIOS over TCP	Enable •		
EtherTalk	Disable 💌		

! Note

- Click [SKIP] to omit the setup.
- Enable the [Do not show this page again] check box, and click either [OK] or [SKIP] to disable this display for subsequent logins.

The following screen will be displayed.



3

Items table

 $\ensuremath{\textcircled{O}}$: Displayed if logged in as a printer administrator.

View Information



Item	Explanation
Status	Displays the current printer status. Displays all warnings and errors that occurred in the printer as "malfunction information". Further, you can also check the operations status of the network services, printer information tables, and IP addresses set in the printer. For the status window, see the "Checking the "Status Window"" (P.140) page.
Tray Count	Displays the print quantity for each tray.
Supplies Life	Displays the remaining consumables quantity and service life.
Usage Report	Displays the total print results.
Network	You can check the network settings information such as general information, TCP/IP status, maintenance information, etc.
System	Displays the versions, available memory, available flash memory, and system information.

■ Print Information ©



Item	Explanation
Information Print	You can print and check the information set in the printer, such as the networks and want lists, etc.

Printer Menu O

C931		
View Information Print Information		alibration Direct Print Job List Links
	General Printer Setting	
O Tray Configuration	Printer Name	OKI-C931-0600A2 (Max.31 characters) This is the devices identity on the network (sysName, and Printer Name).
O System Adjust	2	EtherTalk
O Print Adjust	Short Printer Name	C931-0600A2 (Max.15 characters)
		This is Printer Name for WDNS. A maximum of 15 characters can be used (alpha/nameric characters and $^{\rm T_{\rm eff}}$ are acceptable).
	Printer Location	(Max.253 charactera)
	Asset Number	(Max:22 characters)
	Contact Name - Administrator	(Max:255 characters)
	Submit Cancel	Press Submit to send charges. Press Cancel to cherr changes.

Item	Explanation		
General Printer Settings	You can set the printer name, printer management number, and installation location, etc.		
Tray Configuration	You can set paper information such as the paper size per tray and automatic tray switching, etc.		
System Adjust	You can set printer operations per status, such as power save ON time, alarm cancellations, timeout printing, etc.		
Print Adjust	You can set the print position compensation and print quality, etc.		

Admin Setup



Item	Explanation
Network Setup	You can set the protocols such as TCP/IP and EtherTalk, etc.
Print Setup	You can set print information such as toner save, etc.
PS Setup	You can set the PS communications protocol mode.
Color Setup	You can set the color information, such as the CMYK data conversion process using PostScript printing.
Management	You can set printer information such as power settings and job cancel settings, etc.

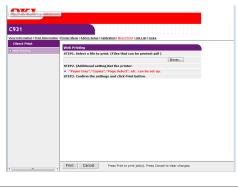
1 Convenient print 2 Matching 3 Using Utility Software

■ Calibration ©



Item	Explanation
Normal Setting	Adjusts the print image quality such as the color densities, etc.
Customize Menu	Implements density compensation and color misalignment compensation.

Direct Print



Item	Explanation
Web Printing	You can print by specifying a user-selected PDF file.
	m Reference
	See "Printing without printer drivers (Direct printing)" (P.167).

■ Job List ©

OK	I
C931	
	The image of the participation of the calculate it data
Item	Explanation
Job List	Displays a table of the print jobs sent to the printer. It is possible to delete unnecessary jobs.

■ Links

C931	
View Information Print Inf	ormation Printer Meny Admin Setup Calibration Direct Print Job List Links
Links	Support Links
O Links	Driver Download
O Edit Links	Technical Support
C EUR LINKS	Order Consumables
	Register Printer
	Download Firmware
	and the second
	Other Links
	Other Link1 Other Link2
	Other Link2 Other Link3
	Other Links
	Other Links

Item	Explanation
Links	Displays the links set by the administrator in addition to links set by the manufacturer.
Edit Links	The administrator can set links they like. You can register 5 support links and 5 other links. Enter URLs including http://.

4

Changing administrator passwords

You can change the password used when logging in as a device administrator.



Click [Admin Setup]>[Management].





Click [Change Password].



3 Enter the new password in [New Password], and then reenter the new password in [Verify Password].

OKI				
C931				
View Information Print Inform	nation ^	Printer Menu Admin Setup	Calibration Direct Print Job Lie	it Links
O Print Setup		Admin Reseword		
O PS Setup	1	New Password	•••••	(6-12 characters)
O PCL Setup		Verify Password		(6-12 characters)
O XPS Setup				
O Color Setup				
Management				
O RAM Setup				
O Panel Setup				
O Buzzer Setup				
O Time Setup				
O Power Setup				
I Job Cancel Setup				
Change Password				
O Settings				
Local Interface	•	Submit Cance	Press Submit to send d	nanges. Press Cancel to dear changes.

! Note

- When entering a password, "•••••" will be displayed on screen.
- Enter an alphanumeric password from 6 to 12 characters.
- If entering alphanumerics in the password, correctly enter capital and small letters.

Click [Submit].

The settings will be saved to the device.

It is not necessary to restart the device. Use the new password when logging in as an administrator the next time.

! Note

5

• This password is different from the TELNET password. When the password is changed here, the password when logging onto the administrator setup menu in the control panel will also be changed.

Checking printer status from the PC

You can check the status of the device via the network from the PC.

Checking using the "Status screen"

Start the web browser, and display the "Status" screen.

OKI				
2931				
iew Information Direct Print La View Information	14.5		Toner Remaining	100%
	Ready To Pri	nt Befresh	Mananta	40%
D Tray Count	includy 10 PH		Yellow 💻	20%
Supplies Life			Black:	40%
B Network	Printer Information		Print Service	Enabled
D System	Printer Name	OKI-C931-0600A2	LPR	•
	IPv4 Address	192.168.0.2	Port9100	
Administrator Login	IPv6 Address		FTP	0
	fe80:00	00:0000:0000:0225:36ff:fe06:00A2 Link-Lacal Address	IPP	Ō
	0000:000	0:0000:0000:0000:0000:0000:0000 Clobal Address	EtherTalk	0
	MAC Address	00:25:36:06:00:A2	Setting Service	Enabled
	Printer Location		SNMP	•
	Serial Number	A82C00001840	WEB	•
	Asset Number		Telnet	0
	Contact Name - Administrator			
	MPTray	Nonarch Envelope		
	Tray1	A4 Long Edge		
	Duplex	Installed		

Checking the "Status Window"

Click [Status Window] to display the following screen.

COSE Cose	Ready To Print Print Annual Print Annual Print Annual Print Annual Print Annual Serial Number Assat Number Assat Number Assat Number Assat Number Assat Number Annual State Annual State	042-001-0002 102.1002 102.1002 102.10000 102.1010 100.0000 102.1010 100.000000 100.00000 100.00000 100.00000 100.00000 100.00000 100.00000 100.00000000	Variation Consideration of the service of the servi	1000 400		
The printer information will be displayed.	I (IP Addr.19.168.0 I (IP Addr.19.168.0 IP Addr.19.168.3/tatet Location Asset Number : Ready To Pri No Error ernet Protected Me	192.168.02	efresh	vice	Clicking will up- date the printer status tr the lates status.	0
Printer sta	tus ic	on	Ad	vanc	ed	
		N	o error	s/onlir	ne	
0			inor ma printing			
			ajor ma rinting i		on oossible)	
0		0	ffline			

Changing printer settings from the PC

You can change the device setup.



Access the device web page, and log in as an administrator.

Stein Memorie IPRIM Memorie Memori Jahl Marini Memori Calcitative Oracit Media Jahl Jahl Jahl Jahl Jahl Jahl Jahl Jah	C931			
Control Privator Sectory Control Privator Sectory Control Privator Sectory Control Privator Sectory Privator Name Privator Name Privator Name Privator Name Control Privator Nam Control Privator Name Control Privator Name Control		n Printer Meny Admin Setup	Calibration Direct Print Job	Ust Links
O Tary Configuration O Tary Configuration O System Adjust D System Adjust D Fried Configuration D Fried Config		General Printer Setti	ngs	
Oriez Adjust Storf Priviter Analy Storf Priviter Analy Privite Location Privite Location Privite Location Privite Location (Privite Vision States of United States and States of	Tray Configuration	Printer Name	This is the devices identit	
Short Préder Name C (2011-0500/2) (Bas 13 desarter) Thus in Bound in Britling American of 2 desarters and (advancement of advancement of adva		1	EtherTak	
exet (phyloconen characters and 5° are acceptable). Printer Localds Printer Localds (sec.33) disaction) Asset Number (sec.33) disaction) Contact Number	O Print Adjust	Short Printer Name	C931-0600A2	(Max.15 characters)
(Hax-235 Daracters) Asset Number (Hax-22 characters) Contact Name -			This is Printer Name for W used (alpha/numeric char	VING. A maximum of 15 characters can be racters and "-" are acceptable).
(Max.22 charactern) Contact Name -		Printer Location	(Max.255 characters)	
		Asset Number	(Max.22 characters)	
			(Max.255 characters)	

2 Make the necessary changes, and click [Submit].

Encrypting communications (SSL/TLS)

When setting from web pages, during IPP prints, and when receiving prints using FTP protocols, you can encrypt the communications between the PC (client) and printer.

(Communications are encrypted using SSL/TLS)

Setup method

Display the methods for creating certificates on the printer using the web.

There are 2 types of certificates that can be created.

- Personal signature certificate
- Authenticator certificate (creates CSR)

🖉 Memo

• If the device IP address is changed after the certificate has been created, that certificate will become invalid. Do not change the device IP address after the certificate has been created.

Log in as an administrator.

Reference

- See "Logging in as an administrator" (P.136).
- 2 Click [Admin Setup]>[Network Setup]>[Security] tab.



Click [SSL/TLS].

4 Select the type of certificate created in Step 1.

931		
Information Print Information	Printer Menu Admin Setup Calibration Direct Print Job List Links	
-	You can use SSL/TLS for data encryption.	
etwork Setup	SSL/TLS can encrypt both Printer Configuration via the webpage and Print Data when	
) General Network Setting	printing via "IPP".	
D TCP/IP		
EtherTalk	Using self-signed Certificate	
INBT	Using a Certificate which a Certification Authority signed 3	
) Email		
) Email II 3 SNMP		
	STEP2. Provide the following information Please provide the following information "Required Name Example Value	
3 Email 2 3 SNMP 3 IPP 1 IEEE802.1X	STEP2. Provide the following information Please provide the following information "Required Name Example Value More brown as UPL, the	
) Email 5 3 SNMP 3 IPP 1 IEEE802.1X 3 Security	STR92, Provide the following information Please provide the following information "Recarded Name Destination as its Common Rame Ra Common Rame Ra Common Rame Ra (102,106.0.2)	
Email 2 SNMP IPP IEEE802.1X	STEP2. Provide the following information Passes provide the following information Name Example Mome Example Mome Example Mome Example Mome Example Mome Example Mome Example Value Jointown 10, UK Mome Example Value Jointown 10, UK Mome Example Value Jointown 10, UK Tommoni Kamp Example Mome Example <tr< td=""><td></td></tr<>	
) Email 5 3 SNMP 3 IPP 1 IEEE802.1X 3 Security	STEP2. Provide the following information Reade provide the following information Name Application (Step 1) 10 Control Name	
Email 5 ISMP IEEE802.1X Security O Protocol ON/OFF	STIP2. Provide the following information Please provide the following information Rease grounds the following information Rease provide the following information Rease provide the following information () () () () () () () () () () () () ()	
D Email 2 S SMMP B IPP D IEEE802.1X C Protocol ON/OFF O IP Filtering	STEP2. Provide the following information Please provide the following information Please provide the following information Name Example Value Address of the following information 1 Common Rules File of the following information 2 Organization File of the following particular the following pa	
D Email 2 S SNMP S IPP D IEEE802.1X C Protocol ON/OFF O IP Filtering O MAC Address Filtering	STEP2. Provide the following information Please provide the following information Rease provide the following information Rease provide the following information Rease provide the following information Internet Plant Plant Plant Plant Internet Plant Plant Plant Internet Plant Plant Plant Internet Plant Plant Internet Plant Plant Plant Internet Plant Internet Plant Internet Plant Plant Inte	



Enter the Common Name, Organization, and other items.

! Note

c

 If "Using a Certificate which a Certification Authority signed" is selected, follow the authenticator procedure for the advanced certificate issuing procedures such as input details, etc.

C931				
View Information Print Information		Setup Calibration Direct Print	Job List Links	
B Network Setup	STEP2. Provide di			
C General Network Settings	Name		Value	
D TCP/IP D EtherTalk	1 Common Name	Also known as URL, the Common Name is the fully qualified domain name (FQON) used for DNS lookups of your printer.	* www.printer.oki.com	
C NBT B Email B SNNP B IPP	2 Organization	The organization name (corporation, limited partnership, university,or government agency) must be registered with some authority at a national state, or city level.	* Oki Data Corporation	
D IEEE802.1X	3 Organizational Unit	(optional) Use this optional field to differentiate between divisions within an organization.	SOUMU	
D Protocol ON/OFF	4 Locality	This field usually denotes the city in which the organization is located.	*Minato-ku	
D IP Filtering D MAC Address Filtering	5 State/Province	Enter the state where the organization operates. Do not abbreviate.	* Tokyo	
D SSL/TLS D IPSec	6 Country/Region	This is the 2-character ISO format country code. For example, GB is the valid code for Great Britain, and US is the valid code for the linited	• JP	

🖉 Memo

• If personal certificate is selected, the device IP address will be set in "Common Name".

If changing the key exchange method and key size, click "Key Exchange method". (Initial values are RSA, 1024bits. Normally, use without making any changes.)

ion Information i Print Informatio	o i Existier Mesu i Admi		Joh Lint I Linka
Admin Schip		The argenization name (corporation, limited	
Network Setup	2 Organization	perinership, university,or opverment esercy) must be	* Oki Data Corporation
O General Network Settings		registered with some authority at a rational state, or day	
0.10939		level.	
O BherTalk	3 Cepandrational Unit	Field to differentiate between divisions within an organization.	50040
OMET			
0 truel	4 Locality	oty in which the organization is located.	* Minate-ko
0.5649	5 State/Prevince	Enter the state where the organization spenatus. Do not	• Takyo
0.177		This is the 2-character (50	
O IEEEBOD.5X	d Country Harrison	format country code. For premple, G5 is the valid code	
O Descrip		Yor Great Britain, and US is the valid code for the United	-
D Protocol Ch/Off	Opticiled Information	*	
C 3P Filturing	The following same	in is summended.	
D FIRC Address Nitering			
■ 551/7L5	Key Exchange m		
C 2*Beci	-	102464	
C Change Network	Submit C	ancel Press CK to send	Tanaes, Pless Cancer & dear chances.

	. 6
http://10.2154.17/ssl_tis_key_exchange.htm	
	_
Details Setting	
Key Exchange method RSA •	
Key Size 1024bit	
2048bit	
512bit	
OK ancel	

Personal certificates

If creating an authenticator certificate, go to "Authenticator certificates".

6 The input details will be displayed.

Check the details, and click [OK]. Create the certificate.

Value List		
	List of User Input Value	
Cipher Level	STANDARD	
Туре	self-signed Certificate	
Common Name	www.printer.oki.com	
Organization	Oki Data Corporation	
Organizational Unit	SOUMU	
Locality	Minato-ku	
State/Province	Tokyo	
Country/Region	JP	
Key Exchange method	RSA	
Key size	1024bit	
Cancel		

This completes the personal signed certificate creation.

The settings will be save in the printer, and the network functions will restart.

Follow Steps 1 to 3 to display the encrypted (SSL/TLS) setup screen, and set the protocols to enable the encryption.



Click [Submit].

Go to "Usage methods" (P.143).

□ Authenticator certificates

6 The input details will be displayed. Check the details, and click [OK].

Cipher Level	List of User Input Value
-	a Certificate which a Certification Authority signed
Type Common Name	a Certificate which a Certification Authority signed www.printer.oki.com
	Oki Data Corporation
Organization Organizational Unit	SOUMU
-	SOUMU Minato-ku
Locality	
State/Province	Tokyo
Country/Region	JP
Key Exchange method Key size	RSA 1024bit
OK Cancel	

Extract and send the CSR to the authenticator. (For authenticator certificates.)

! Note

• Copy from "----- BEGIN CERTIFICATE REQUEST -----" to "----- END CERTIFICATE REQUEST -----" in the text box. CSR send method may be for the authenticator to paste to the web page, send as a file, or attach to an e-mail.

окі 📩	
C931	
	Printer Menu Admin Setue Calibration Direct Print Job List Links
Admin Setup	Send the CSR to a Certification Authority
Network Setup	Please send the following CSR(Certificate Signing Request) to a Certification Authority.
D General Network Settings	Send the CSR to a Certification Authority:
D TCP/IP	Please copy the following text from "BEGIN CERTIFICATE REQUEST" until "END CERTIFICATE REQUEST"
D EtherTalk	BEGIN CERTIFICATE REQUEST *
D NBT	MIIB;DCB9gIBADBMQ;9%CQYU/QQDEwIxH;ELMAxGA1UEChMCHTExC]AIB;M7BAaT ATExC1AIB;M7BAcTATExC0A/BGM7BAgTA11;MTELMAXGA1UEB;MCHTExc2;AVD0YJ
8 Email	KolinvelkagEBBQADgYOAMIGJAoBAOenhxTgUWkfjFNxbhOBw/8D51Y359uO2kF3 1mboxEcaVMoh2Wuhf9ruVECXtKhPO1Nuh/tFCD0CfoHTboOf+E1Aw2dFaKC1d
B SNNP	kENurxFjSt31tw0J22+pP5hcxW3wnbLJPEruui5Coz0uIP+gsCQ7BDIgL01Aen7k
B IPP	<pre>9n6oPe/xAgMBAA0gADA3Bgkghk109w0BAQUFAA0BgQCSNeNRkFx7LBadL/GW1vMv wohleS1a0/10dXomESDoYalef3YbBKrdEW2c2vWrVoLHF3VR3/Ge68c10LaKmDM+</pre>
O IEEE802.1X	nJ7t188011679fb55A/XSN0Y4TWEM2DjXq0gTjfCqC4zzL70C1P/kM/81eu0F5fm 1+a0fST01z0d2x3V1143Wg==
B Security	END CERTIFICATE REQUEST
D Protocol ON/OFF	
O IP Filtering	*
O MAC Address Filtering	And then, send the CSR to a Certification Authority and request the sign.
SSL/TLS	As for the details of the certificate issue procedure, follow the process of the Certification Authority.
O IPSec	Cipher setting has completed.
D Change Network Password	After you receive the signed certificate from a Certification Authority, you will have to install the signed certificate on the Cipher Setting page.

8

8

Install the certificate issued by the authenticator (using the web). (For authenticator certificates.)



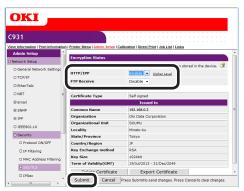
Follow steps 1 to 3 to display the encryption (SSL/TLS) setup screen.

Paste the issued certificate from "-----BEGIN CERTIFICATE -----" to "----- END CERTIFICATE -----" to the text box, and click [Submit].

This completes the authenticator signed certificate creation.

The settings will be save in the printer, and the network functions will restart.

Follow Steps 1 to 3 to display the encrypted (SSL/TLS) setup screen, and set the protocols to enable the encryption.



10^{Click} [Submit].

- Start the web browser, and enter "https://printer IP address" in the
 - adress field to connect.



Printing using IPP

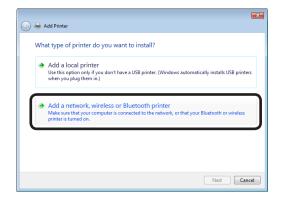
You can print using IPP.

Enabling IPP Communications

- Access the device web page, and log in as an administrator.
- Select [Admin Setup].
 - Select [Network Setup]>[IPP]>[Setup].
- Implement advanced setup by following the on-screen instructions.
- Click [Submit].

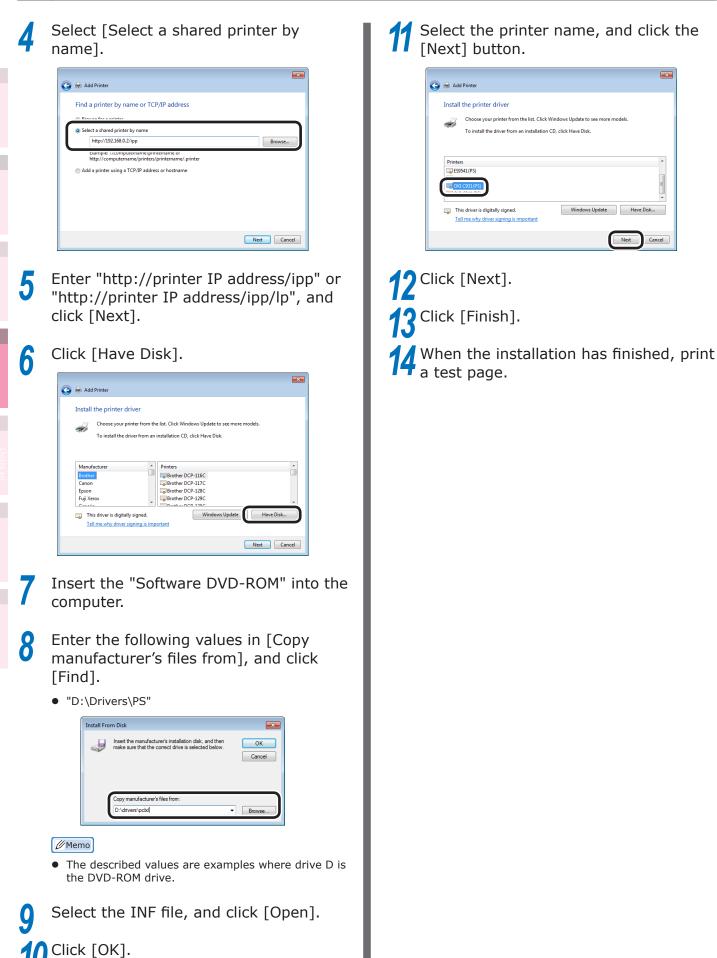
Setting up the device as an IPP printer (Windows)

- 1 Click [Start], and then select [Devices and Printers]>[Add printer].
- 2 Use the [Add printer] wizard to select [Add a network, wireless or Bluetooth printer].



S li

Select [The printer that I want isn't listed] from the table of usable printers.



Encrypting communications (IPSec)

Manipulation prevention and encryption between the PC (client) and printer are possible at the network level.

// Memo

• The IKE protocol supported by the device is "IKEv1". The communications mode supported by the device is "Transport mode". "Tunnel mode" is not operational. If IPSec is enabled, printer response may be slow depending on the network communications status.

! Note

• IPSec cannot operate with mail sending functions and SNMP Trap functions.

Setup flow

Set up the printer before setting the PC.

Printer setup

Use the web, and follow the procedure to enable IPSec.



Log in as an administrator.

Reference

- See "Logging in as an administrator" (P.136).
- 2 Click [Admin Setup]>[Network Setup]>[Security] tab.

C931 View Information Print Informatio	n Printer Menu Admin Setup	Calibration Direct Print Job List Links
Admin Setup	Protocol	
B Network Setup	TCP/IP	Enable
General Network Settings	NetBIOS over TCP	Enable 👻
O TOP/IP	EtherTalk	Disable ×
C EtherTalk		
O NBT	Service	
B Email	Web (Port No. : 80)	Enable • If "Disable", you can not access from your Web browser, and you can not print with WSD-part.
@ IPP	IPP (Port No. : 631)	Disable -
G IEEE202 1V	Telnet	Disable 👻
E Security	FTP	Disable 💌
	SNMP	Enable 💌
011000010//01/	SNTP	Disable •
O IP filtering	Local Ports	Enable •
O MAC Address Filtering	cocorrores	ELINE .

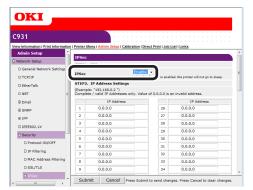
Click the [IPSec] tab.

OKI C931 nter Menu | Admi up I Calit I Direct Print | Job List | Link: IPSec STEP1. IPSec STEP2. IP Address Settings (Example: "192.168.0.2 ") Complete / valid IP Addresses Valid IP Addresses o IP Addresse 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 IP Address. 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 ⊕ Email 26 27 28 29 30 31 32 33 34 ⊕ SNMP ⊕ IPP Security 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 Protocol ON/OF O IP Filtering 0.0.0.0 D MAC Add 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 it Car



! Note

- When IPSec is "Enable", communications from the PC with the IP address set in "STEP2" will be encrypted.
- If IPSec settings fail because the set parameters and PC do not match, etc., opening the web page will be disabled. In this case, either disable [IPSec] in the network settings from the device control panel, or disable IPSec by implementing network initialization.



Enter the host IP address in "STEP2".

! Note

5

- Use the IP address to specify the host that authorizes the printing and setup.
- For the IPv4 address, use single-byte numbers separated by "."
- For the IPv6 global address, use single-byte alphanumerics separated by "." Abbreviated notations cannot be used.
- Disabled if the IP address entered is 0.0.0.0.

931					
ew Information Print Information	I Printer M	enu Admin Setup Ca	libration Direct Print Ja	b List Links	
Admin Setup 📫	IPSec				
Network Setup	STEP1.	100			
O General Network Settings		Irsec	Enable +		
O TCP/IP	IPSec			abled, the printer will not go to :	sleep.
O EtherTalk		IP Address Setting	s		
O NBT E	(Example Complet	e: "192.168.0.2 ") e / valid IP Addresser	only. Value of 0.0.0.0	is an invalid address.	
@ Email				IP Address	
@ SNMP	1	192.168.0.2	26	0.0.00	
@ IPP	2	0.0.0.0	27	0.0.00	
C IEEE802.1X	3	0.0.00	28	0.0.0.0	
© Security	4	0.0.00	29	0.0.0.0	
D Protocol ON/OFF	5	0.0.0	30	0.0.00	
	6	0.0.0	31	0.0.0	
O IP Filtering	7	0.0.0	32	0.0.00	
D MAC Address Filtering	8	0.0.0	33	0.0.00	
O SSL/TLS	9	0.0.0.0	34	0.0.0.0	

Set the phase 1 proposal parameters in

Select from AES-CBC 256, AES-

CBC 192, AES-CBC 128, 3DES-CBC, DES-CBC and set in [IKE

Select from SHA-1 and MD5, and

Select from Group 2 and Group 1, and set in the [Diffie-Hellman

Enter the range from 600(s) to

0.0.0.0

86400(s) in [LifeTime] to set.

0.0.0.0

re-Shared Key

Key PFS Key PFS Diffie-Helli Group

STEP3. Phase1 Proposal Settings IKE Encryption Algorithm AES-CBC 128 V IKE Hash Algorithm SHA-1 V

set in [IKE Hash Algorithm].

Encryption Algorithm].

6

"STEP3".

(1)

(2)

(3)

(4)

OKI

O IP Filtering

Group].

4 Netw

Set the advance common key in "STEP4".

None 👻

Enter in [Pre-Shared Key] using 1 to 64 single-byte alphanumerics to set. This section uses entering "ipsec" in the string as an example.

OKI 👝						
:931						
Admin Setup	Printer Me	anu Admin Setup Cali	bration Direct P	47	0.0.0.0	
Network Setup	23	0.0.0.0		48	0.0.0.0	
O General Network Settings	24	0.0.0.0		49	0.0.0.0	
O TCP/IP	25	0.0.0.0		50	0.0.0.0	
G EtherTalk	STEP3.	Phase1 Proposal Se	ttings			
O NBT	IKE Enc	ryption Algorithm	AES-CBC 1	8 - 8		
@ Email	IKE Has	h Algorithm	SHA-1 ·			
@ SNMP	Diffie-H	ellman Group	Group2 -			
() IPP	LifeTim	e	28800 se	c (600-8	6400)	
O IEEE802.1X						
E Security	Pre-Sha	red Key	ipsec			
C Protocol ON/OFF	STEPS	Key PFS Settings	Alex 64 Chase)		
O IP Filtering	Key PES		NOPES -			
MAC Address Filtering SSL/TLS		Diffie-Hellman	None •			
	oreas					

Set the Key PFS in "STEP5".

8

(1) Select from KEYPFS and NOPFS, and set in [Key PFS].

C931			
Admin Setup	IKE Encryption Algorithm	AES-CBC 128 •	
Network Setup	IKE Hash Algorithm	SHA-1 ×	
General Network Settings	Diffie-Hellman Group	Group2 -	
O TCP/IP	LifeTime	28800 sec (600-86400)	
C EtherTalk	STEP4. Pre-Shared Key Se		
O NBT	Pre-Shared Key	ipsec	
🕀 Email	CAEDE Nov DEC Collinso	(Max.64 Characters)	
⊕ SNMP	-		
I IPP	Key PFS	NOPFS	
C IEFE802.1X	Group	None -	
G Security	STEP6. Phase2 Proposal Se	ettings	
Protocol ON/OFF	ESP	Enable	
	ESP Encryption Algorithm	AES-CBC 128 -	
IP Filtering MAC Address Filtering	ESP Authentication Algorithm	SHA-1 ·	
	AH	Enable	
O SSL/TLS	AH Authentication		

(2) If [Key PFS] is selected, select from Group 2, Group 1, and None, and set in [Key PFS Diffie-Hellman Group].

C931		
View Information Print Information	IKE Encryption Algorithm	AFS-CRC 128
B Network Setup		SHA-1 *
C General Network Settings	IKE Hash Algorithm	
	Diffie-Hellman Group	Group2 •
O TCP/IP	LifeTime	28800 sec (600-86400)
O EtherTalk	STEP4. Pre-Shared Key Set	ttings
ONBT	Pre-Shared Key	ipsec
⊕ Email	STEP5. Key PFS Settings	(Max.64 Characters)
C SNMP	STEPS. Rey FTS Settings	
® IPP	Key PFS Diffie-Hellman	None
O IEEE802.1X	Group	None
Security	· · · · ·	
O Protocol ON/OFF	ESP	Enable
O IP Filtering	ESP Encryption Algorithm	AES-CBC 128 •
O MAC Address Filtering	ESP Authentication Algorithm	SHA-1 ·
	AH	Enable
O SSL/TLS	AH Authentication	

- **9** Set the Phase 2 proposal in "STEP6".
 - Setting [ESP]
 - (1) Select from AES-CBC 256, AES-CBC 192, AES-CBC 128, 3DES-CBC, DES-CBC and set in [ESP Encryption Algorithm].
 - (2) Select from SHA-1, MD5, and OFF, and set in [ESP Authentication Algorithm]. If OFF is selected, the ESP authentication algorithm is not applied.

C931 View Information Print Informatic	on Printer Menu Admin Setup Ci	alibration Direct Print Job List Links	
* Admin Setup	Diffie-Hellman Group	Group2 💌	^
B Network Setup	LifeTime	28800 sec (600-86400)	
General Network Settings	STEP4. Pre-Shared Key S	ettings	
O TCP/IP	Pre-Shared Key	(Max.64 Characters)	
O EtherTalk	STEP5. Key PFS Settings		
O NBT	Key PFS	NOPFS -	
Email	Key PFS Diffie-Hellman Group	None •	
	STEP6. Phase2 Proposal S	Settings	
IPP	ESP	Enable	
O IEEE802.1X	FCD Encountion Algorithm	AFELCRC 128 -	
Security	ESP Authentication Algorithm	SHA-1 -	
O Protocol ON/OFF	Algorithm		
O IP Filtering	AH Authentication Algorithm	SHA-1 ·	E
O MAC Address Filtering	LifeTime	3600 sec (600-86400)	

Setting [AH]

(2)

(1) Select from SHA-1 and MD5, and set in [AH Authentication Algorithm].



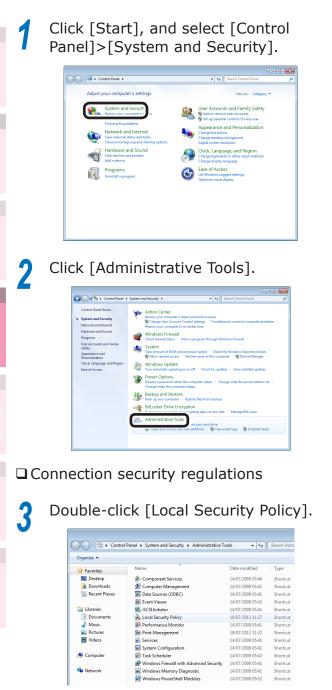
Enter the range from 600(s) to 86400(s) in [LifeTime] to set.

C931			
View Information Print Informatio	n Printer Menu Admin Setup Cali Diffie-Hellman Group	bration Direct Print Job List Links Group2 -	
Retwork Setup	LifeTime	28800 sec (600-86400)	
O General Network Settings	STEP4. Pre-Shared Key Sel	tings	
O TCP/IP	Pre-Shared Key	ipsec (Max.64 Characters)	
O EtherTalk	STEP5. Key PFS Settings		
O NBT	Key PFS	NOPFS -	
B Email	Key PFS Diffie-Hellman Group	None •	
	STEP6. Phase2 Proposal Se	ttings	
(B) IPP	ESP	Enable	
O IEEE802.1X	ESP Encryption Algorithm	AES-CBC 128 ¥	
8 Security	ESP Authentication Algorithm	SHA-1 ·	
Protocol ON/OFF	AH	Enable	
O IP Filtering	AH Authentication	SHA-1 ·	:
O MAC Address Filtering	LifeTime	3600 sec (600-86400)	
O SSL/TLS	Literinie	3000 880 (600-88400)	

10 Click [Submit].

The settings will be save in the printer, and the network functions will restart.

Computer setup



Right-click [Windows Firewall with Δ Advanced Security]-[Windows Firewall with Advanced Security-Local Group Policy Object]-[Connection Security Rules], and select [New Rule].

Local Security Policy					
File Action View Help					
🗢 🔿 📶 🕞 📓 🖬					
Security Settings Security Settings Account Prefer Windows Firesal with Advanced Sec Security Rules Security Settings Settings	There are no iten	Enabled ns to show i	Endpoint 1 in this view.	Endpoint 2	Aut
· · · · ·		-			



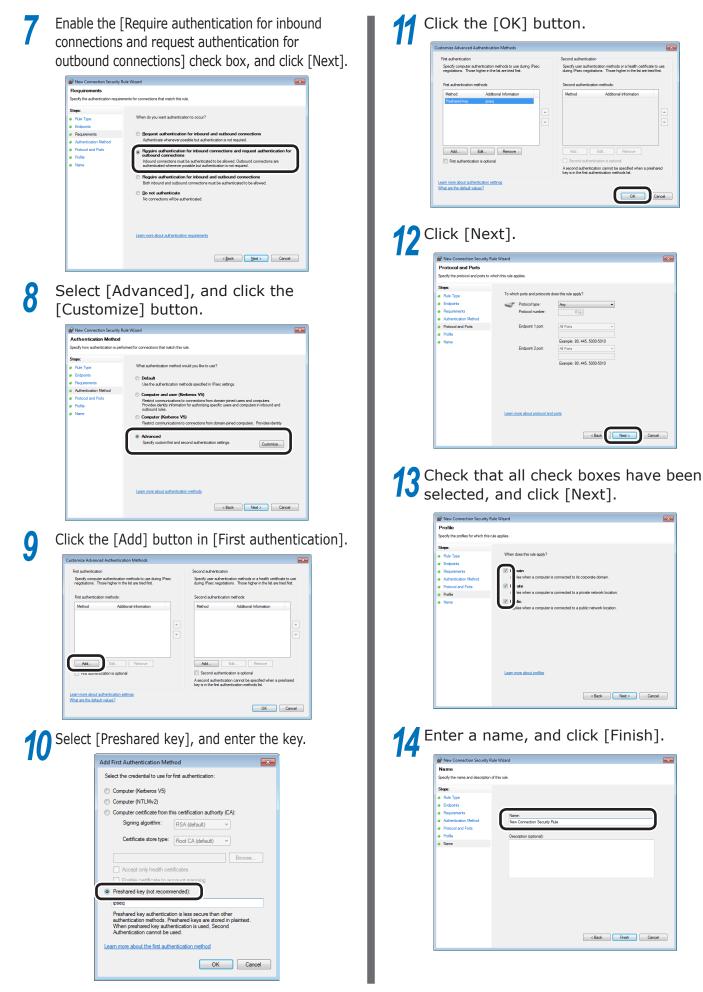
Select [Custom], and click [Next].

Rule Type	
Select the type of connection sec	unty rule to create.
Steps:	
 Rule Type 	What type of connection security rule would you like to create?
Endpoints	
Requirements	Isolation
Authentication Method	Restrict connections based on authentication criteria, such as domain membership or health status.
Protocol and Ports	Authentication exemption
Profile	Do not authenticate connections from the specified computers.
 Name 	Server-to-server Authentication between the specified computers. Turnel Authentication connections between gateway computers. Constance Constance Constance Network Constance of the specified on authentication accurs, but they de net able connections. To derive a connection, create an indexed of a subgood due. Learn more about table toose
	< Back Next > Cancel

6

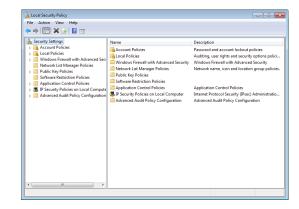
Select end points 1 and 2. Specify as necessary, and click [Next].

Provident Connection Security R	tule Wizard
Endpoints	
Specify the computers between w	hich secured connections will be established using IPsec.
Steps:	
Rule Type	Create a secured connection between computers in Endpoint 1 and Endpoint 2.
Endpoints	Which computers are in Endpoint 1?
Requirements	Any IP address
Authentication Method	These IP addresses:
Protocol and Ports	Add
Profile	Edt.
Name	Berrove
	Hemove
	Customize the interface types to which this rule applies: Customize
	Which computers are in Endpoint 2?
	Any IP address
	These IP addresses:
	Add
	Edt
	Remove
	Learn more about computer endpoints
	< Back Next > Cancel

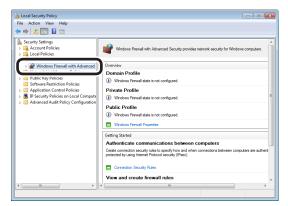


□ IPSec setup

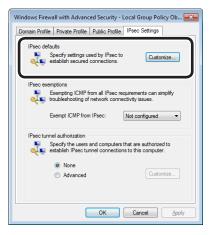
15 Open the local security policy in the management tools.



16 Select [Windows Firewall with Advanced Security], right-click, and select [Properties].



7 Select the [IPSec Settings] tab, and click the [Customize] button in [IPSec defaults].



18 Select [Advanced] in [Key exchange (Main Mode)], and click the [Customize] button.

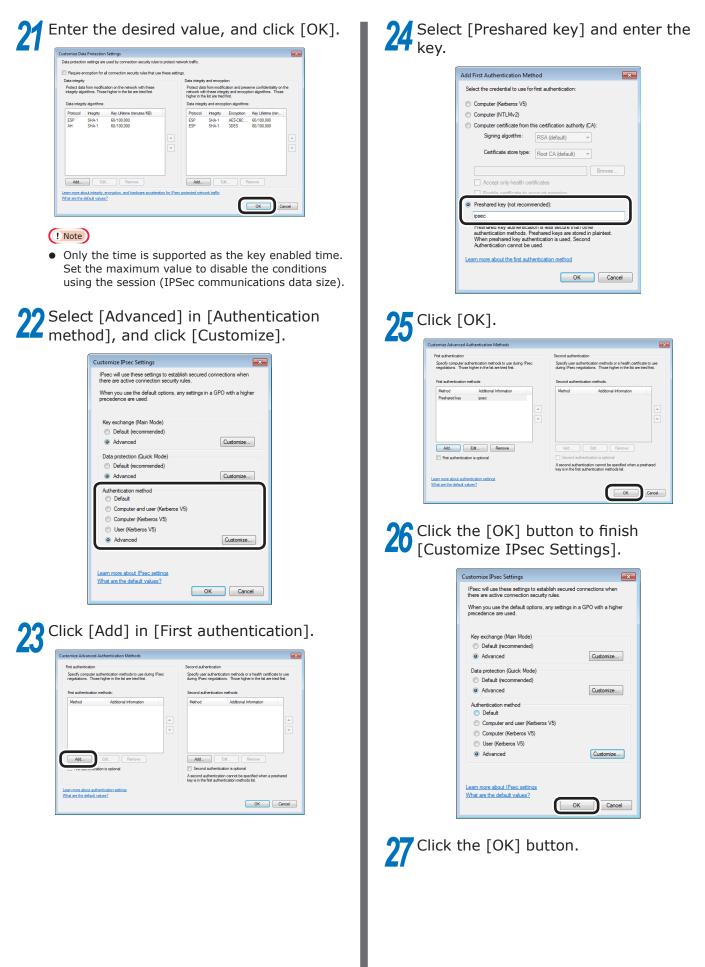
Key	exchange (Main Mode)	
0	Default (recommended)	
۲	Advanced	Customize
Dat	a protection (Quick Mode)	
۲	Default (recommended)	
0	Advanced	Customize
Aut	nentication method	
0	Default	
C	Computer and user (Kerberos V5)	
C	Computer (Kerberos V5)	
C	User (Kerberos V5)	
6	Advanced	Customize

19 Change the [Security methods] to the desired settings, and click [OK].

		ge Settings		
curity metho	da			
se the follow	ing security methods in the list are tried fin	a for key exchange.		
nose nigner i	n the list are tried to	z .		
ecurity metho	oda:			
Integrity	Encryption	Key exchange algorithm		
SHA-1	AES-CBC 128	Diffie-Hellman Group 2	(default)	
SHA-1	3DES	Diffie-Hellman Group 2		<u></u>
				Ţ
	11 65 1			
Add	Edit	Remove		
Add	Edt	Remove	Key exchange options	
y lifetimes			Key exchange options	d
ry lifetimes pecify when	a new key is genera	ted. If you select		d
y lifetimes pecify when	a new key is genera	ted. If you select	Use Diffie-Hellman for enhance security.	
ry lifetimes pecify when	a new key is genera	ted. If you select	Use Diffie-Helman for enhance	
ey lifetimes pecify when oth options, a reshold is rea	a new key is genera	ted. If you select ted when the first	Use Diffie-Hellman for enhance security. Compatible with Windows Vista	
ry lifetimes pecify when	a new key is genera	ted. If you select	Use Diffie-Hellman for enhance security. Compatible with Windows Vista	
ey lifetimes pecify when oth options, a reshold is rea	a new key is genera	ted. If you select ted when the first	Use Diffie-Hellman for enhance security. Compatible with Windows Vista	
ey lifetimes pecify when oth options, a reshold is rea Ainutes:	a new key is genera	ted. If you select ted when the first 480 ©	Use Diffie-Hellman for enhance security. Compatible with Windows Vista	
ey lifetimes pecify when oth options, a reshold is rea Ainutes: Sessions:	a new key is genera	ted. If you select ted when the first 480 m	Use Diffie-Hellman for enhance security. Compatible with Windows Vista	
y lifetimes pecify when oth options, a reshold is rea Anutes: Sessions: m more abox	a new key is genera new key is general ached.	ted. If you select ted when the first 480 m	Use Diffie-Hellman for enhance security. Compatible with Windows Vista	
y lifetimes pecify when oth options, a reshold is rea Anutes: Sessions: m more abox	a new key is genera new key is general ached.	ted. If you select ted when the first 480 m	Use Diffie-Hellman for enhance security. Compatible with Windows Vista	-

20 Select [Advanced] in [Data protection (Quick Mode)], and click the [Customize] button.

Customize IPsec Settings	— × —
IPsec will use these settings to establish secured con there are active connection security rules.	nections when
When you use the default options, any settings in a G precedence are used.	iPO with a higher
Key exchange (Main Mode)	
 Default (recommended) 	
 Advanced 	Customize
Data protection (Quick Mode)	
Default (recommended)	
Advanced	Customize
Authentication method	
Oefault	
Computer and user (Kerberos V5)	
Computer (Kerberos V5)	
 User (Kerberos V5) 	
Advanced	Customize
Learn more about IPsec settings What are the default values? OK	Cancel



Using the access restriction function (IP filter) with IP addresses

You can manage access to the device using the IP address.

! Note

- The default device settings to [Disable] the [IP Filtering].
- If the IP address is entered incorrectly, access to the device using IP protocols will be disabled. Be very careful during setup.

Log in as an administrator.

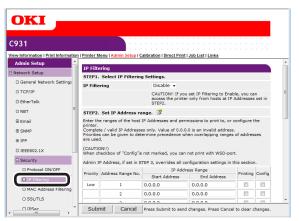
Reference

- See "Logging in as an administrator" (P.136).
- Click [Admin Setup]>[Network Setup]>[Security] tab.

OKI _

931			
	ation	n Printer Menu Admin Setup	Calibration Direct Print Job List Links
Admin Setup	ĥ	Protocol	
Network Setup		TCP/IP	Enable
General Network Settin	<u>a:</u>	NetBIOS over TCP	Enable 👻
© TCP/IP		EtherTalk	Disable 👻
O EtherTalk			
O NBT	н	Service	
⊕ Email		Web (Port No. : 80)	Enable If "Disable", you can not access from your Web browser. and, you can not print with WSD-port.
SNMP B IPP		IPP (Port No. : 631)	Disable 👻
D IEEE802 1Y		Telnet	Disable 🔻
Security	1	FTP	Disable 👻
Protocol ON/OFF		SNMP	Enable -
© IP Filtering		SNTP	Disable 💌
MAC Address Filtering	9	Local Ports	Enable 👻
O SSL/TLS		Port Number	

Click [IP Filtering].



[Enable] the [IP Filtering] in [STEP1].



! Note

• [Enable] IP filtering to disable all access from IP address hosts outside the range set in [STEP2].

Set the IP address range in [STEP2].

! Note

5

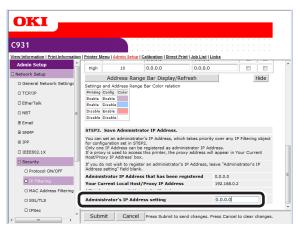
- Use the IP address to enter the range that authorizes the printing and setup.
- For the IP address, use single-byte numbers separated by "."
- Disabled if the IP address entered is 0.0.0.0.
- If IP address ranges overlap, the settings for the address range with the highest [Priority] will be prioritized.
- Regardless of the specifications in Step 2, the administrator addresses that can be printed and set can be set in Step 3.

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

C931 /iew.Information Print Information	l Printer N	enu l Admin Setup I C	alibration Direct Prin	tilob listilinks			
🛚 Admin Setup		Address Range No.	IP Add Start Address	ress Range End Address	Printing	Config	-
3 Network Setup	Low	1	Start Address	0.0.0.0			
General Network Settings	LOW	2	0.0.0.0	0.0.0.0			
O TCP/IP							
O TCP/IP		3	0.0.0.0	0.0.0.0			
O EtherTalk		4	0.0.0.0	0.0.0.0			
O NBT E		5	0.0.0.0	0.0.0.0			
@ Email		6	0.0.0.0	0.0.0.0			
# SNMP		7	0.0.0.0	0.0.0.0			
		8	0.0.0.0	0.0.0.0		100	
⊕ IPP		9	0.0.0.0	0.0.0.0			
IEEE802.1X	High	10	0.0.0.0	0.0.0.0			
8 Security	- nign						
Protocol ON/OFF		Address Range	e Bar Display/Refr	resh	1	Hide	
IP Filtering		una maarcaa nange					
	Enable	Config Color					
MAC Address Filtering	Enable						
O SSL/TLS	Disable						

To correct the IP address range, reenter the relevant IP address, and click the [Address Range Bar Display/Refresh] again.

Set the value in [Administrator's IP Address setting] in [STEP3].

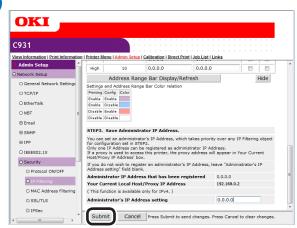


Even if the incorrect settings were made in [Step 2] by entering the administrator IP address in [Administrator's IP Address setting], the administrator can reset from the IP address host set in [Administrator's IP Address setting].

! Note

- If accessing the device via a proxy, the address of the proxy device will be displayed as [Your Current Local Host/Proxy IP Address]. Consequently, the "Your host IP address" displayed in your host address may differ.
- If nothing is registered as the administrator IP address, access to the device may be completely disabled depending on the settings in Step 2.
- If you do not wish to register an administrator IP address, leave the [Administrator's IP Address setting] field blank.

Click [Submit].



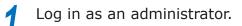
The settings will be save in the printer, and the network functions will restart.

Using the access restriction function with MAC addresses

You can manage access to the device using the MAC address.

! Note

• If the MAC address is entered incorrectly, access to the device using a network will be disabled. Be very careful during setup.

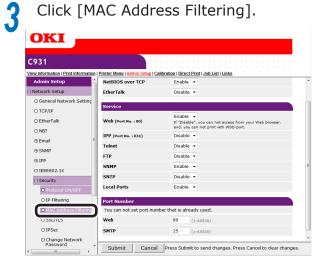


Reference

• See "Logging in as an administrator" (P.136).

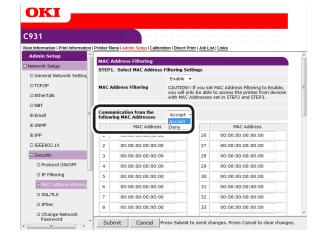
Click [Admin Setup]>[Network Setup]>[Security].

:931		Calibration Direct Print Job List Links
Admin Setup		Canoration Direct Print Job List Links
Network Setup	Protocol TCP/IP	Enable
General Network Settings	NetBIOS over TCP	Enable -
O TCP/IP	EtherTalk	Disable 💌
O EtherTalk		bibabic -
O NBT	Service	
⊕ Email ⊕ SNMP	Web (Port No. : 80)	Enable - If "Disable", you can not access from your Web browser. and, you can not print with WSD-port.
# SNMP	IPP (Port No. : 631)	Disable -
© IFFE802.1X	Telnet	Disable 💌
D Security	FTP	Disable 🔻
Protocol ON/OFF	SNMP	Enable 🔻
O IP Filtering	SNTP	Disable 🔻
MAC Address Filtering	Local Ports	Enable 👻
O SSL/TLS	Port Number	
O IPSec	Vau and not not nort numb	or that is already used



OKI						
C931						
View Information Print Information	n Printer Me	enu <u>Admin Setup</u> <u>Calibrati</u>	ion Direct Print	U Job Lis	t Links	
D Network Setup	MAC A	ddress Filtering				
General Network Setting			Enable	ngs		
O TCP/IP						
O IOP/IP	MAC A	ddress Filtering	CAUTION	you set	MAC Address Filtering to Enable,	
© EtherTalk		ddress Filtering	you will or	be able	MAC Address Filtering to Enable, to access the printer from devices set in STEP2 and STEP3.	1
	\sim	ddress Filtering . Set Filtering MAC Add	vou will or	be able	to access the printer from devices	
O EtherTalk	STEP2 Comm		vou will or	be able	to access the printer from devices	
O EtherTalk O NBT	STEP2 Comm	. Set Filtering MAC Add	vou will or	be able	to access the printer from devices	
O EtherTalk O NBT ⊕ Email	STEP2 Comm	. Set Filtering MAC Add unication from the ing MAC Addresses	vou will or	be able	to access the printer from devices set in STEP2 and STEP3.	
© EtherTalk © NBT ® Email ® SNMP	STEP2 Commi followi	. Set Filtering MAC Add unication from the ing MAC Addresses MAC Address	vou will or	be able dresses	to access the printer from devices set in STEP2 and STEP3. MAC Address	
C EtherTalk C NBT E Email E SNMP E IPP	STEP2 Comm followi	Set Filtering MAC Add unication from the ing MAC Addresses MAC Address 00:00:00:00:00:00:00	vou will or	be able dresses 26	MAC Address 00:00:00:00:00	
C EtherTalk NBT E Email SNMP IPP IEEE802.1X	STEP2 Comm followi	Set Filtering MAC Add unication from the ing MAC Addresses MAC Address 00:00:00:00:00:00 00:00:00:00:00:00	vou will or	be able dresses 26 27	to access the printer from devices set in STEP2 and STEP3. MAC Address 00:00:00:00:00 00:00:00:00:00	
	STEP2 Commi followi 1 2 3	Set Filtering MAC Addunication from the ing MAC Addresses MAC Addresse 00:00:00:00:00:00 00:00:00:00:00:00 00:00:00:00:00:00:00:00	vou will or	be able dresses 26 27 28	MAC Address 00:00:00:00:00:00 00:00:00:00:00	
	STEP2 Commi followi 1 2 3 4	Set Filtering MAC Add unication from the ing MAC Addresses MAC Addresses 00:00:00:00:00:00 00:00:00:00:00 00:00:00:00:00 00:00:00:00:00 00:00:00:00:00	vou will or	26 27 28 29	to access the printer from devices set in STEP2 and STEP3.	
EtherTalk NBT Email SNMP ESNMP EEE802.1X Security Protocol ON/OFF IP Filtering	STEP2 Communication 1 2 3 4 5	Set Filtering MAC Add unication from the ing MAC Addresses MAC Addresses O0:00:00:00:00:00 O0:00:00:00:00 O0:00:00:00:00 O0:00:00:00:00 O0:00:00:00:00 O0:00:00:00:00	vou will or	be able dresses 26 27 28 29 30	to access the printer from devices MAC Address 00:00:00:00:00:00 00:00:00:00:00 00:00:00:00:00 00:00:00:00:00 00:00:00:00:00 00:00:00:00:00 00:00:00:00:00 00:00:00:00:00	

Select whether to [Accept (Deny)] communications from a specific MAC address in [STEP2].



! Note

5

- Use the MAC address to enter the host MAC address that authorizes (or denies) the communications.
- For the MAC address, use single-byte numbers separated by ":".
- Regardless of the specifications in Step 2, the administrator addresses that can communicate can be set in Step 3.

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

lew Information Print Information Admin Setup	ion Prin	nter Me	nu Admin Setup Calibration Dire	ect Print Job Lis	t Links
Network Setup		19	00:00:00:00:00:00	44	00:00:00:00:00:00
		20	00:00:00:00:00:00	45	00:00:00:00:00:00
General Network Settin		21	00:00:00:00:00:00	46	00:00:00:00:00:00
TCP/IP	Ì	22	00:00:00:00:00:00	47	00:00:00:00:00:00
EtherTalk	l i	23	00:00:00:00:00:00	48	00:00:00:00:00:00
O NBT		24	00:00:00:00:00:00	49	00:00:00:00:00:00
⊕ Email		25	00:00:00:00:00:00	50	00:00:00:00:00
SNMP	1		()		00100100100100
IPP IEEE802.1X		You	 Save Administrator MAC Add a can set an Administrator MAC ering set in STEP2. 		takes priority over any MAC
Security		On	ly one MAC Address can be regi	stered as the A	dministrator address.
Protocol ON/OFF		If a Cu	proxy is used to access this pr rrent Host/Proxy MAC Address' I	inter, the proxy box.	address will appear in Your
O IP Filtering		Ify	ou do not wish to register an A dress setting" blank.	dministrator ad	ldress, leave "Administrator's MAC
			-		d 00:00:00:00:00:00
MAC Address Filterin	2 0		strator MAC Address that has		

Even if the incorrect settings were made in [STEP2] by entering the administrator MAC address in [Administrator's MAC Address setting], the administrator can reset from the MAC address host set in [Administrator's MAC Address setting].

! Note

- If accessing the device via a proxy, the address of the proxy device will be displayed as [Your host MAC address]. Consequently, the [Your host MAC address] displayed in your host address may differ.
- If nothing is registered as the administrator MAC address, access to the device may be completely disabled depending on the settings in Step 2.
- If you do not wish to register an administrator MAC address, enter "00:00:00:00:00" in the [Administrator's MAC Address setting].

Click [Submit].

OKI					
.931					
ew Information Print Informati	on I	Printer M	enu Admin Setup Calibration Dire	ct Print Job List	Links
Admin Setup	£.			_	
Network Setup		19	00:00:00:00:00:00	44	00:00:00:00:00:00
General Network Setting		20	00:00:00:00:00	45	00:00:00:00:00
TCP/IP		21	00:00:00:00:00:00	46	00:00:00:00:00:00
EtherTalk		22	00:00:00:00:00:00	47	00:00:00:00:00:00
O NBT		23	00:00:00:00:00:00	48	00:00:00:00:00:00
@ Email		24	00:00:00:00:00:00	49	00:00:00:00:00:00
@ SNMP		25	00:00:00:00:00:00	50	00:00:00:00:00:00
H IPP		STEP3	. Save Administrator MAC Add	ress.	
D IFFF802.1X		Yo	u can set an Administrator MAC . ening set in STEP2.	Address, which I	akes priority over any MAC
Security			ly one MAC Address can be regi	stered as the Ad	lministrator address.
Protocol ON/OFF		If a	a proxy is used to access this pr rrent Host/Proxy MAC Address' I	inter, the proxy	address will appear in Your
	ш				
IP Filtering		Ad	dress setting" blank.	dministrator add	Iress, leave "Administrator's MAC
MAC Address Filtering		Admin	istrator MAC Address that has	been registered	00:00:00:00:00:00
O SSL/TLS		Your C	Current Local Host/Proxy MAC	Address	00:00:00:00:00:00
IPSec		Admin	istrator's MAC Address setting		00:00:00:00:00:00

8 The settings will be save in the printer, and the network functions will restart.

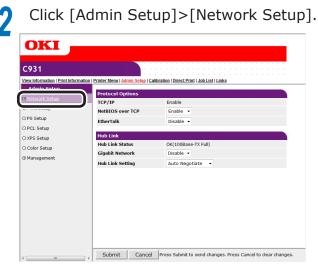
Notifying errors using e-mail

The device is equipped with a mail send function (SMTP). You can send an e-mail if an error occurs in the printer. You can select to send periodically whether or not an error has occurred, and set to send mails when an error occurs.

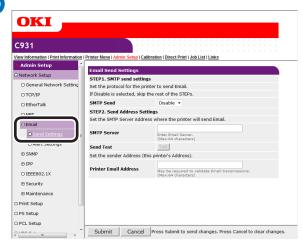
Setting e-mail sending

Log in as an administrator.

See "Logging in as an administrator" (P.136).



Click [Email]>[Send Settings].



Enable [SMTP Send] in [STEP1]. OKI C931 ation | Direct Print | Job List | Link ter Menu | Admin Setu Email Send Settings STEP1. SMTP send settings t the protocol for the pr O TCP/IP ○ EtherTalk SMTP Send where the printer will send Email Set the SMTP S 🗆 Email 🗆 Se Enter Email Server O Alert S Send Test Test ⊕ SNMP Set the sender Address (this pr ter's Address) (F) IPP rinter Email Address O IEEE802.1X May be n (Max.64 Gecurity STEP3. More detail settings ⊕ Maintena OPrint Setup D PS Setup O PCL Setup Submit Cancel Press Submit to send changes. Press Cancel to clear changes.

- 5 Set the address required to send in [STEP2].
 - (1) Set the mail server domain name or IP address in [SMTP Server].
 - (2) Set the mail address allocated to the printer in [Printer Email Address].

! Note

Δ

- If setting the [SMTP Server] in the domain name, it is necessary to set the DNS server in the [TCP/IP] settings.
- It is necessary to authorize sending mail from the device in the mail server. Consult your network administrator for the mail server settings.
- If using Internet Explorer using the default settings, send tests are disabled.
 To implement send tests, it is necessary to change the Internet Explorer 7 settings.
 Enable [Tools]>[Customize security level]>
 [Authorize input requests for information using scripted Windows in web sites].
- 6 To make more advanced settings subsequently, click [Set detail of the SMTP Protocol] in [STEP3].

OKI						
UKI						
C931						
	Printer Menu Admin Setup Cal	libration Direct Print Job List Links				
* Admin Setup	Email Send Settings					
Network Setup	STEP1. SMTP send setting	95				
General Network Setting	Set the protocol for the printer to send Email.					
O TCP/IP	If Disable is selected, skip	the rest of the STEPs.				
O EtherTalk	SMTP Send	Enable -				
ONBT	STEP2. Send Address Set	tings				
⊖ Email	Set the SMTP Server Addre	ess where the printer will send Email.				
Send Settings	SMTP Server	Enter Email Server. (Max.64 characters)				
Alert Settings	Send Test	Test				
⊕ SNMP	Set the sender Address (th	nis printer's Address).				
⊕ IPP □ IEEE802.1X	Printer Email Address	May be required to validate Email transmissions. (Max.64 characters)				
Gecurity						
⊕ Maintenance	» Set detail of the SMTP	Protocol				
D Print Setup	» Configure attached in	formation				
D PS Setup	» Others					
D PCL Setup						
······································	Submit Cancel	Press Submit to send changes. Press Cancel to clear changes.				

For all other presses, go to Step 16.

8

g

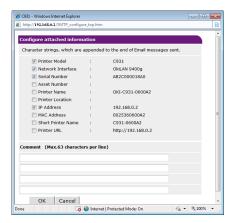
Select [Security Settings].

Set the mail server port number in [SMTP Port Number].

👩 😜 Internet | Protected Mode: On

√a + €100% +

- [Enable] the [SMTP-Auth].
- (1) Set the user ID to connect to the mail server in [User ID].
- (2) Set the password to connect to the mail server in [Password].
- Click [Configure attached information].



Select or enter the information to be added to the end of the e-mail message to be sent.

12 Click [OK].
13 Click [Others].
14 Set the return mail address for the mail cont from the work of the set of the s

mail sent from the printer in [Reply-To Address]. Normally, set the mail address of the printer administrator.

http://192.168.0.2/SMTP_o	:hers_top.htm	2
Others		
Reply-To Address	the error notification Email to in case of tra (Max.78 characters)	anemission error.
OK Cano	21	



The settings will be save in the printer, and the network functions will restart.

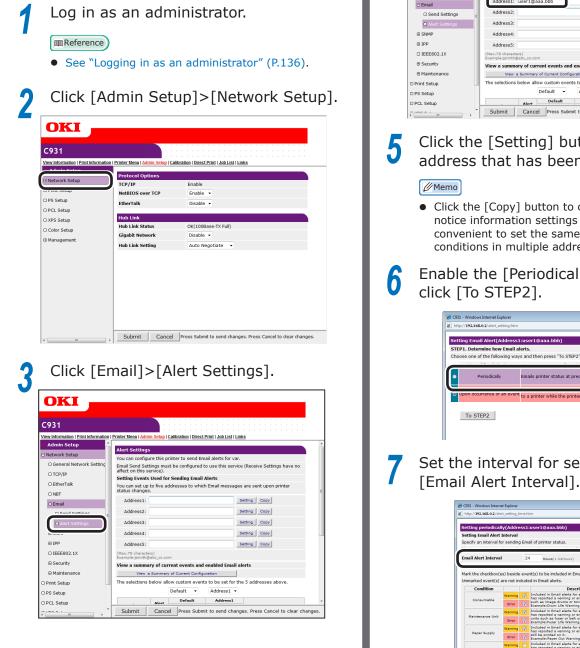
🖉 Memo

• The authentication method is selected automatically from the authentication methods supported by the mail server.

Notifying errors periodically using e-mail

Notifying malfunctions periodically

If using periodic notifications, disable sleep mode.



Enter the mail address of the malfunction notice recipient.

Δ

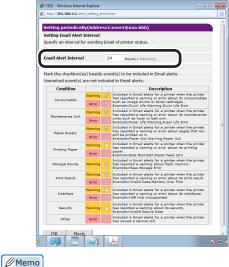
C931							
View Information Print Inform	ation	Printer Menu Adr	nin Setup	Calibration Direct	t Print Job List	Links	
Admin Setup	-1	Alert Setting	5				
Network Setup	- 1	You can config	ure this p	printer to send Er	nail alerts for 1	/ar.	
General Network Sett	ing			ist be configured	to use this se	rvice (Receive Settings have no	
TCP/IP		affect on this s		or Sending Email	Alorts		
EtherTalk		You can set up	o to five a			ages are sent upon printer	
O NBT		status change	s.				
8 Email	- 1	Address1:	user1@	aaa.bbb		Setting Copy	
Send Settings		Address2:				Setting Copy	
Alert Settings		Address3:				Setting Copy	
⊕ SNMP		Address4:				Setting Copy	
⊕ IPP		Address5:				Setting Copy	
O IEEE802.1X		(Max.78 charact Example:jsmith		202			
⊕ Security				rrent events and	l enabled Ema	il alerts	
Maintenance				y of Current Config		1	
Print Setup		The selections	below al	low custom even	ts to be set fo	r the 5 addresses above.	
PS Setup				Default 👻	Address1	•	
PCL Setup			Alert	Default	Address1		

Click the [Setting] button for the e-mail address that has been set.

- Click the [Copy] button to copy the malfunction notice information settings to another address. It is convenient to set the same malfunction notification conditions in multiple addresses.
- Enable the [Periodically] check box, and

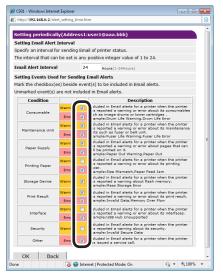
	92.168.0.2/alert_setting.h	tm	
otting	Email Alert/Addre	ss1:user1@aaa.bbb)	Û
	Determine how Emai		
	-	ways and then press "To STEP2".	
-	···· #== 10.00 -00	- 1.1	-
•	Periodically	Emails printer status at predetermined intervals.	
o Obo	on occurrence of an ev	ent to a printer while the printer is operating.	
_			
	To STEP2		
1			

Set the interval for sending mail in [Email Alert Interval].



• If no errors for notification occur within the period, no mail will be sent.

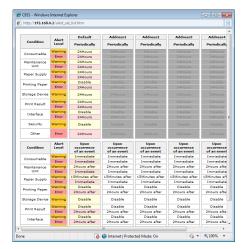
8 Enable each error to be notified in [Setting Events Used for Sending Email Alerts].



Click [OK].

Check the set details of the malfunction notifications conditions.

- Displaying tables
- (1) Click the [Show current settings table] button.
- (2) Check the set details, and close the window.

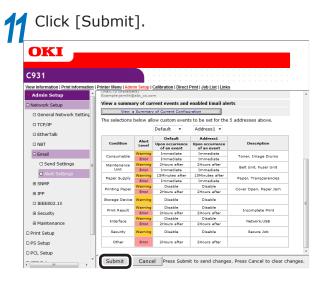


- Comparing the set conditions for 2 addresses
- (1) Use the list box to select each address to be compared.
- (2) Check the settings details that are displayed.

🖉 Memo

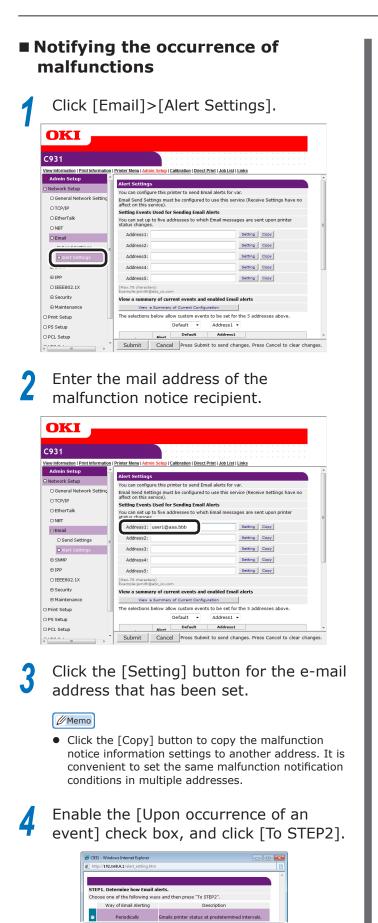
• You can change the notification condition settings by clicking the set conditions comparison details.

View Information Print Informat	ion	Printer Menu Adm	in Setup	Calibration Direct	Print Job List Link:	8	
Admin Setup	ĥ	Address4:			Se	tting Copy	
Network Setup		Address5:			Se	tting Copy	
General Network Settin	ç	(Max.78 characte Example:jsmith@		m			
C TCP/IP		View a summa	ry of cur	rent events and	enabled Email ale	erts	
EtherTalk		-		of Current Configu			
O NBT		The selections	below all	ow custom event	s to be set for the	5 addresses above.	
🛛 Email	1 I			Default 👻	Address1 •		
Send Settings			Alert	Default	Address1		
Alert Settings	1	Condition	Level	Upon occurrence of an event	Upon occurrence of an event	Description	
	11	Consumable	Warning	Immediate	Immediate	Toner, Image Drums	
SNMP		Consumable	Error	Immediate	Immediate	Toner, Image broms	
(F) IPP		Maintenance	Warning	2Hours after	2Hours after	Belt Unit, Fuser Unit	
@ IPP		Unit	Error	Immediate	Immediate		
D IEEE802.1X		Paper Supply	Warning	15Minutes after	15Minutes after	Paper, Transparencies	
		-	Warning	Disable	Disable		
Security		Printing Paper	Error	2Hours after	2Hours after	Cover Open, Paper Jam	
Maintenance		Storage Device	Warning	Disable	Disable		
Print Setup		Print Result	Warning	Disable	Disable	Incomplete Print	
		Print Result	Error	2Hours after	2Hours after	incomplete Print	
PS Setup		Interface	Warning	Disable	Disable	Network, USB	
			Error	2Hours after	2Hours after	Network, Obb	



12 The settings will be save in the printer, and the network functions will restart.

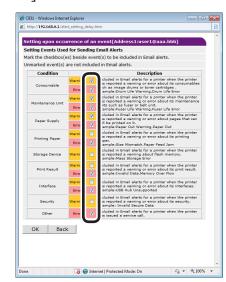
9



on occurrence of an event Emails the details of an event which has happened to a printer while the printer is operating.

To STEP2

5 Enable each error to be notified in [Setting Events Used for Sending Email Alerts].



Set the mail delay time from error occurrence to sending.

	Explorer		10.30
http://192.168.0.2/alert	.set_detail.htm		
			~
etail (Security W			
	ameters used for sending Email alerts		
	Hours" field is any positive integer val	lue of 0 to 48)	
Setting	time		
To the case of Oriour a and Investigately.	nd Oklinuba. Email is		
	👩 🚱 Internet Protected Mode: On	G + \$100%	*

// Memo

6

- You can notify only those errors who continue to occur over a long time using the delay time settings.
- Set the delay time to "0 Hours 0 Minutes" to send an e-mail the instant an error occurs.

Click [OK].

4 Net

8 Check the set details of the malfunction notifications conditions.

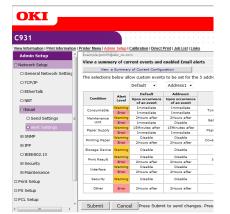
- Displaying tables
- (1) Click the [Show current settings table] button.
- (2) Check the set details, and close the window.



- Comparing the set conditions for 2 addresses
- (1) Use the list box to select each address to be compared.
- (2) Check the settings details that are displayed.

🖉 Memo

• You can change the notification condition settings by clicking the set conditions comparison details.



Click [Submit].

OKI 👝						
931		N.				
w Information Print Information				Print Job List Links		
Admin Setup 🚔	Example (jsm2hg					
Network Setup	View a summa	ry of cu	rrent events and	enabled Email ale	rts	
	View a	Summar	y of Current Configu	ration		
C General Network Setting					5 addresses above.	
O TOP/IP	The selections	below al	low custom event	s to be set for the	5 addresses above.	
O TOP/IP			Default +	Address1 +		
O EtherTalk			Default	Address1		
	Condition	Alert	Default Vecs eccurrence	Address1 Uppn occurrence	Description	
O NBT		Level Open occurrence Open occurrence			activities and a second	
G Email	Consumable	Warning	Immediate	Immediate	Toner, Image Drums	
	oundermatere	Error	Immediate	Immediate	tone, image broms	
O Send Settings =	Naintenance	Warning	2Hours after	2Hours after	Relt Unit, Fuser Unit	
-	Unit	Error	Immediate	Disable		
Nert Settings	Paper Supply	Warning	15Minutes after	15Minutes after	Paper, Transparencies	
(FI SNMP		Error	Immediate	Immediate		
w state	Printing Paper	Warning	Disable 2Hours after	Disable 2Hours after	Cover Open, Paper Jam	
(B IPP						
	Storage Device	Warning	Disable	Disable		
C 1EEE802.1X		Warning	Disable	Disable		
@ Security	Print Result	Error	2Hours after	2Hours after	Incomplete Print	
O DOWRY		Warning	Disable	Disable	Network, USS	
Maintenance	ancertace	Interface Bror ZHours after ZHours after	2Hours after	Network, USB		
Print Setup	Security	Warning	Disable	Disable	Secure Job	
PS Setup	Other	Error	2Hours after	2Hours after		
rs Secup						

10 The settings will be save in the printer, and the network functions will restart.

Using SNMPv3

The device is equipped with a SNMPv3-compatible agent.

You can safely encrypt the device management using SNMP if using the SNMPv3-compatible SNMP manager.

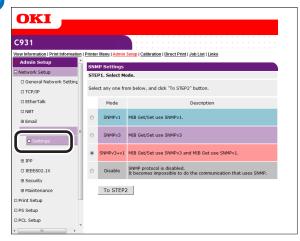
Log in as an administrator.

Reference

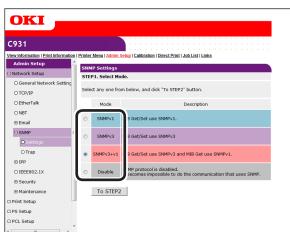
- See "Logging in as an administrator" (P.136).
- 2 Click [Admin Setup]>[Network Setup] tab.

OKI			
C931			
View Information Print Inform	ation P	rinter Menu <u>Admin Setu</u>	Calibration Direct Print Job List Links
E Network Setup	51	Protocol Options	
B Network Setup	JI.	TCP/IP	Enable
Broeners Methork Sett	n p	NetBIOS over TCP	Enable 👻
O TCP/IP		EtherTalk	Disable 👻
EtherTalk			
NBT		Hub Link Hub Link Status	
🕀 Email			OK(100Base-TX Full)
⊕ SNMP		Gigabit Network	
⊕ IPP	н	Hub Link Setting	Auto Negotiate 👻
O IEEE802.1X			
Security			
Maintenance			
Print Setup			
O PS Setup			
O PCL Setup			
C XPS Setup			
Color Setup			
• m	- -	Submit Can	cel Press Submit to send changes. Press Cancel to clear changes.

Click [SNMP]>[Settings].



Enable the SNMP version to be used check box in [STEP1], and click [To STEP2].



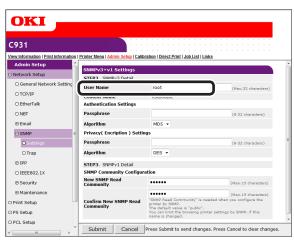
// Memo

6

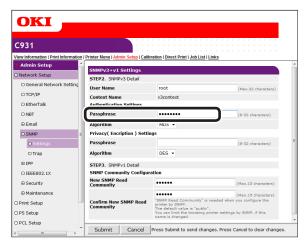
Δ

 If [SNMPv3] is selected, referencing and setups using SNMPv1 will be disabled. If [SNMPv3+v1] is selected, both SNMPv1 and SNMPv3 can be used for referencing, but only NMPv3 can be set.

5 Enter the SNMPv3 user name in [User Name] in [STEP2].



Enter the authentication password in [Passphrase] in [Authentication Settings].



Select [Algorithm]. OKI C931 Printer Menu | Admin Setup | Calibration | Direct Print | Job List | Links SNMPv3+v1 Setting Network Set STEP2. SNMPv3 De 🗆 Genera User Name O TCP/IP Context Name v3context O EtherTall Authentication Settings O NBT Passphrase 🕀 Emai Algorithm MD5 - SNMP Privacy(Encription) Set O Se Algorithm DES . O Trap ⊞ IPP

nity Config

•••••

Submit Cancel Press Submit to send changes. Press Cancel to clear changes

NMP Co

New SNMP Read

Confirm New SNMP Read



• Only [DES] can be selected as the encryption algorithm.

9 Click [Submit].

O IEEE802.1X

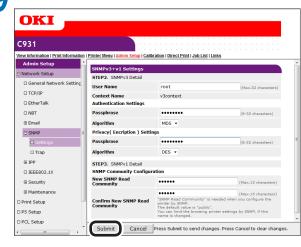
Gecurity

⊕ Maintena

Print Setup

PCL Setup

PS Setup



10 The settings will be save in the printer, and the network functions will restart.

🖉 Memo

• Set the context name for the SNMP manager to be used in "v3context".

Using IEEE802.1X

Compatible with authentication functions using IEEE802.1X.

■ IEEE802.1X setup flow

To set IEEE802.1X in the device, first connect the device and PC for setup via a regular hub. After completing the IEEE802.1X setup, connect the device to the authentication switch.

Connect the printer and PC.

Set the IP address for setup in the PC.

Set the IP address for setup in the printer.

For how to connect the printer and PC, and set the printer and (Windows) PC IP addresses, see "Basic".

Set IEEE802.1X in the printer.

Connect the printer to the authentication switch.

Setting IEEE802.1X

Log in as an administrator.

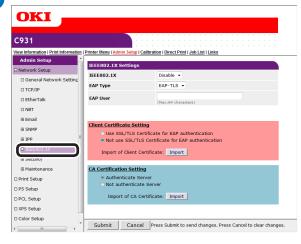
Reference

• See "Logging in as an administrator" (P.136).

Click [Admin Setup]>[Network Setup] tab.

C931		
iew Information Print Inform	nation Printer Menu Admin Setup Co	alibration Direct Print Job List Links
Admin Setun	Protocol Options	
Network Setup	TCP/IP	Epable
B General Network Set		Enable -
O TCP/IP	EtherTalk	Disable 👻
EtherTalk		
O NBT	Hub Link	
@ Email	Hub Link Status	OK(100Base-TX Full)
IT SNMP	Gigabit Network	Disable 🝷
⊕ IPP	E Hub Link Setting	Auto Negotiate 👻
O IEEE802.1X		
Gecurity		
Maintenance		
Print Setup		
PS Setup		
PCL Setup		
XPS Setup		
Color Setup		

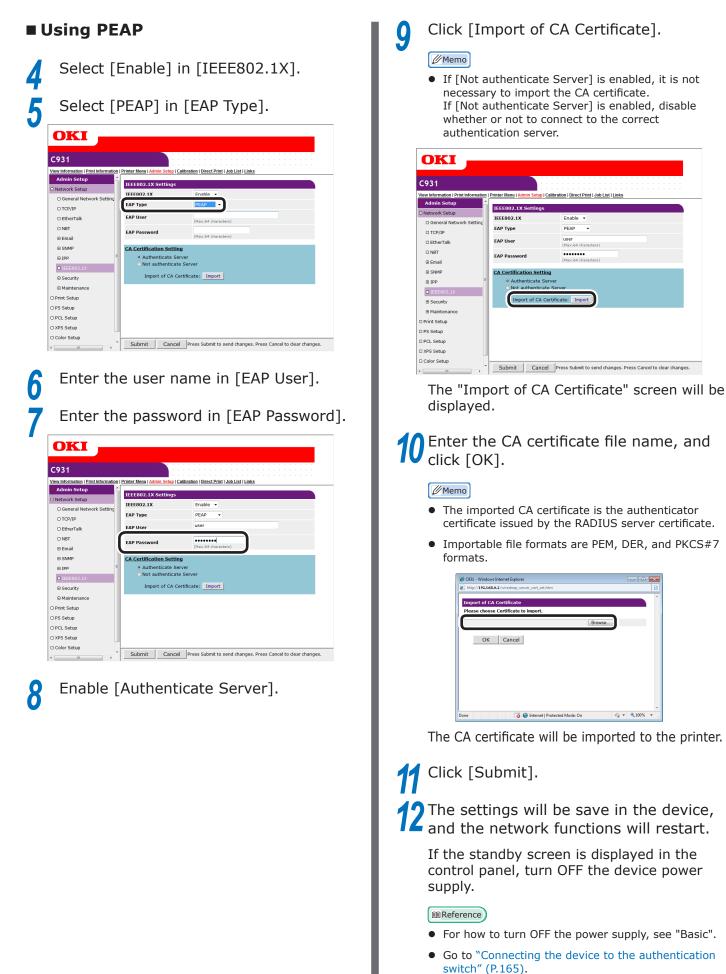
? Click [IEEE802.1X].

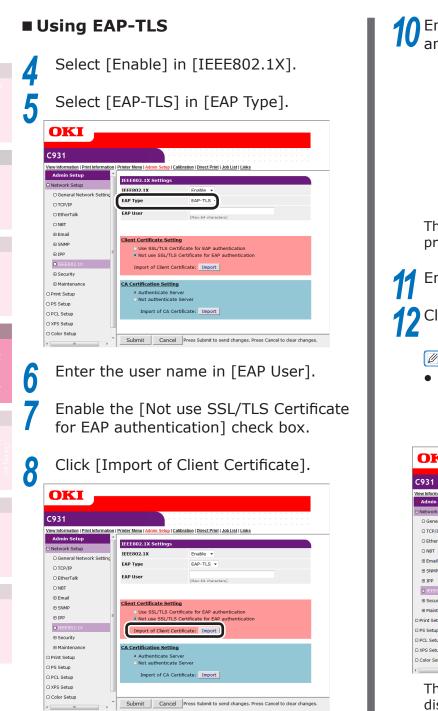


Reference

 If using PEAP, go to "■ Using PEAP". If using EAP-TLS, go to "■ Using EAP-TLS".

Δ





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

Enter the client certificate file name.

• The importable certificate file format is PKCS#12.

10 Enter the client certificate password, and click [OK].

Import of Client C	ertificate	
STEP1. Please cho	ose Certificate to import. can be imported:PKCS#12)	
(The file format which	Browse	
STEP2. Please inpu	It a password required in order to import the sel	lected
certificate.		
certificate.		
	(Max.63 characters)	
Password		
Password	(Max.63 characters)	
Password	(Max.63 characters)	

The client certificate will be imported to the printer.

Enable [Authenticate Server].Click [Import of CA Certificate].

🖉 Memo

• If [Not authenticate Server] is enabled, it is not necessary to import the CA certificate. If [Not authenticate Server] is enabled, disable whether or not to connect to the correct authentication server.

OKI		
C931		
View Information Print Information Admin Setup	Printer Menu Admin Setup	Calibration Direct Print Job List Links
	IEEE802.1X Settings	
Network Setup	IEEE802.1X	Enable 🔹
General Network Setting	EAP Type	EAP-TLS -
© TCP/IP		
EtherTalk	EAP User	(Max.64 characters)
O NBT		
@ Email		
@ SNMP	Client Certificate Set	
⊕ IPP		Certificate for EAP authentication
IEEE802.1X		
Security	Import of Client	Certificate: Import
Maintenance	CA Certification Sett	
	Authenticate 9	
Print Setup	Not authenticate a	
PS Setup	Comment of Ch	Certificate: Import
PCL Setup	Import of CA	Certificate: Import
XPS Setup		
Color Setup		1
· · · · · ·	Submit Cano	Press Submit to send changes. Press Cancel to clear changes.

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

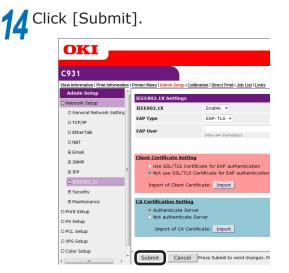
13 Enter the CA certificate file name, and click [OK].

0//Memo

- The imported CA certificate is the authenticator certificate issued by the RADIUS server certificate.
- Importable file formats are PEM, DER, and PKCS#7 formats.



The CA certificate will be imported to the device.



15 The settings will be save in the printer, and the network functions will restart.

If the standby screen is displayed in the control panel, turn OFF the device power supply.

Reference

- For how to turn OFF the power supply, see "Basic".
- Go to "Connecting the device to the authentication switch" (P.165).

Connecting the device to the authentication switch

🖉 Memo

- Check that the device power supply is turned OFF.
 - Insert the LAN cable into the device LAN (network) interface connector.
- 2 Insert the LAN cable into the authentication switch authentication port.
- Turn ON the device power supply.
- 4 Check that the standby screen is displayed in the control panel.
- 5 Set the device IP address according to the environment in use.

Changing EtherTalk printer names (Macintosh)

If using EtherTalk, you can add easily identifiable names to the device.

• See "Logging in as an administrator" (P.136).

C931

Submit Cancel Press Submit to send changes. Press Cancel to clear changes.

Click [Admin Setup]>[Network

Setup]>[EtherTalk] tab.

Log in as an administrator.

Reference

OKI

⊕ Email ⊕ SNMP ⊕ IPP O IEEE802.1X

Color Setup

! Note



Enter a new name in [EtherTalk Printer Name], and click [Submit].

- Settable printer names are 32 single-byte alphanumeric characters max.
- Do not use symbols (=:* $@\sim\approx$), etc., in the printer name.

Changing EtherTalk zones (Macintosh)

You can change the printer from the current zone to another zone using EtherTalk delineated using multiple logical zones.

! Note

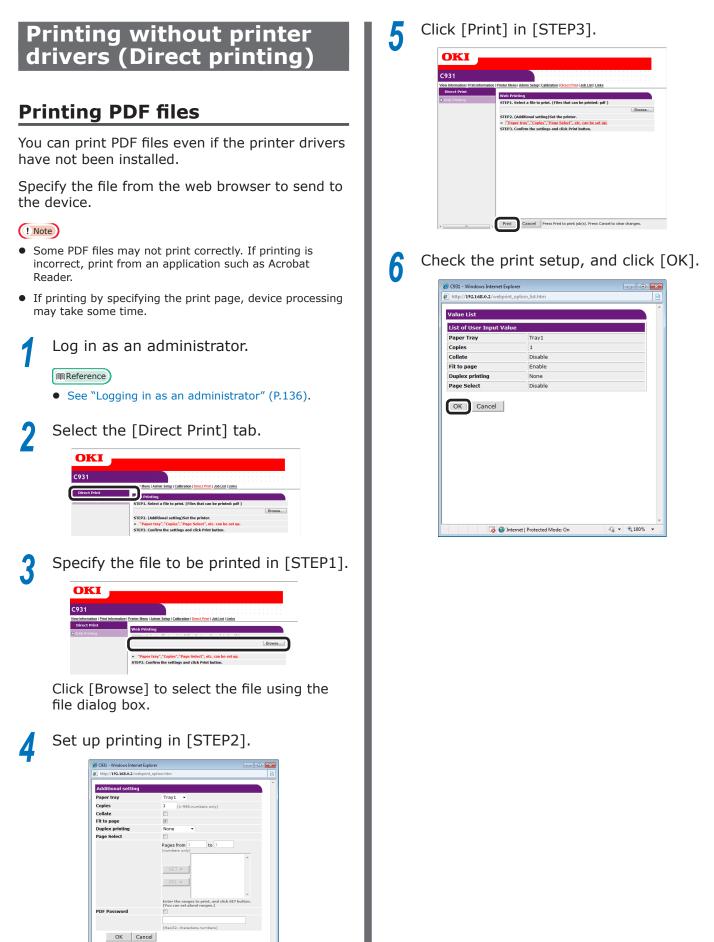
- Selectable zones are within the same segments.
 - Log in as an administrator.

Reference

- See "Logging in as an administrator" (P.136).
- Click [Admin Setup]>[Network Z Setup]>[EtherTalk] tab.

OKI			
C931			
	Printer Menu Admin Setup Calib	ration Direct Print Job List Links	
Admin Setup	EtherTalk Settings		
O General Network Setting	EtherTalk Zone Name	* (Max.32 characters)	2
© TCD/ID © EtherTalk	EtherTalk Printer Name	C931 (Max.31 characters)	2
	EtherTalk Printer Type	"LaserWriter" 📑	
@ Email			
@ SNMP			
⊕ IPP =			
O IEEE802.1X			
Security			
Maintenance			
Print Setup			
OPS Setup			
PCL Setup			
0 XPS Setup			
Color Setup			

Enter a new name in [EtherTalk Zone Name], and click [Submit].



🗔 😜 Internet | Protected Mode: On

A +
 R 100%

Setting the server to print mail attachments

The printer can print the file attached to the received mail.

🖉 Memo

- A maximum of 10 files can be printed. However, the maximum size of the files is 8 MB.
- PDF, JPEG and TIFF files can be printed.
- Some PDF files may not be printed correctly. If files cannot be printed properly, open the file with Adobe Reader for printing.

Setting POP

Access the web page of the printer and log in as administrator.

5

h

Select [Admin Setup].

Select [Network Setup]>[Email]>[Receiving Settings].

Select [POP3], and click [STEP2].

Perform the settings following the onscreen instructions.

// Memo

- Make correct settings for the mail server you are using. If the APOP protocol is disabled, when you enable APOP, mails may not be correctly received.
- If you specify a domain name of the mail server, set the DNS server in the [TCP/IP] setting.

Click [Submit].

- Access the web page of the printer and log in as administrator.
- 2

5

6

Select [Admin Setup].

Select [Network Setup]>[Email]>[Receiving Settings].

Select [SMTP] and click [STEP2].

Perform the settings following the onscreen instructions.

Click [Submit].



Checking and Changing Printer Settings Using the Control Panel

Printing printer information	170
Checking print quantities	182
Checking remaining consumables and maintenance unit quantities	183
Table of setting items in the device se screen	

Printing printer information

Printable report tables

List name	Explanation	Reference pages.
Settings details	Prints a table of all menu category items and the current settings. Further, the advanced printer settings are also printed in the page header.	Page 171
Network functions	Prints the network information.	Page 172
Demo pages	Prints the demo print data stored in the printer.	Page 173
File list	Prints a table of the files registered to the file system.	Page 173
PS font list	Prints the PS font samples.	Page 175
IBM PPR Font List	Prints the IBM PPR font samples.	Page 175
EPSON FX Font List	Prints the EPSON FX font samples.	Page 175
Total print results	Prints the total print results.	Page 174
Error log	Prints the errors detected and saved by the printer.	Page 174
Color profile list	Prints the color profile list.	Page 175
Color matching pattern	Prints patterns to match the shading characteristics.	Page 69
User media list ^{*1}	Prints the user media list information.	Page 176
Test print-1	Prints the patterns for analyzing the print quality.	Page 176
Test print-2	Prints the patterns for analyzing the CYMK print quality.	Page 176
Test print-4	Prints the patterns for analyzing print quality of the spot color (white).	Page 176

*1: Displayed when the user media is registered.

! Note

• When printing reports, set A4 size paper in the tray to be used before printing.

Printing printer settings lists

Settings details

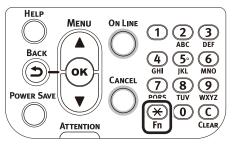
Print the device information.

Print to see the remaining quantity of consumables and other set values such as IP addresses and MAC addresses, and to check whether the device print unit is operating correctly, etc.

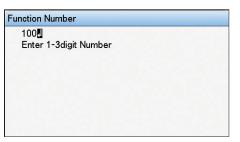
How to print

Press the [Fn] key.

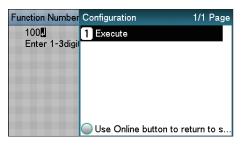
The numerical values input screen will be displayed.



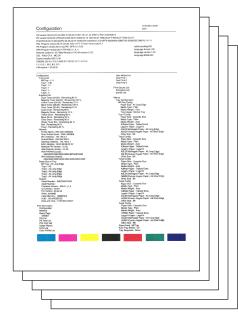
Press functions numbers [1], [0], [0], and press the [OK] button.



3 Check that [Execute] has been selected, and press the [OK] button.



Print results samples



Printing printer information lists

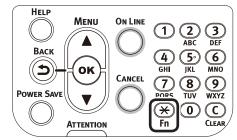
Network information

Print the device network information.

How to print

Press the [Fn] key.

The numerical values input screen will be displayed.



Press functions numbers [1], [0], [1], and press the [OK] button.

Function Number	
101.	
Enter 1-3digit Number	

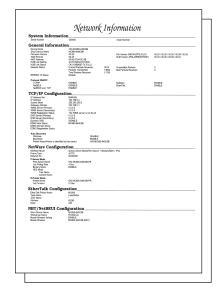
3

2

Check that [Execute] has been selected, and press the [OK] button.

Function	Num	Network 1/1 Page	
101		1 Execute	
Enter	1-3di		
		Use Online button to return	

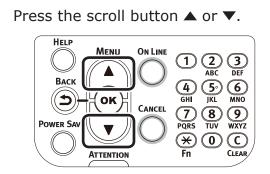
Print results samples



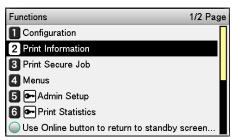
File list

Prints a table of the files registered to the file system.

How to print



2 Select [Print Information], and press the [OK] button.



3 Select [File List], and press the [OK] button.

Print Information	1/2 Page
1 Configuration	Π
2 Demo Page	
3 File List	
4 PS Font List	
5 PCL Font List	
6 Usage Report	
Use Online button to return to standby	screen

Check that [Execute] has been selected, and press the [OK] button.

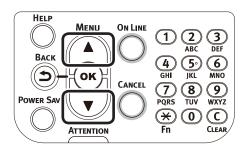
Print Information	File List 1/1 Page
Configuration	1 Execute
2 Demo Page	
🕄 File List	
4 PS Font List	
5 PCL Font Lis	
6 Usage Repor	
Use Online bi	Use Online button to return to s

Demo pages

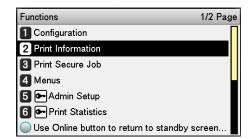
Prints demonstration pages.

How to print

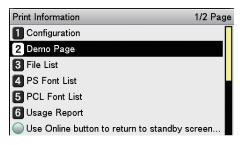
Press the scroll button \blacktriangle or \blacktriangledown .



2 Select [Print Information], and press the [OK] button.



Select [Demo Page], and press the [OK] button.



- [DEMO1] will be displayed. Select an item to print, and press the [OK] button.
 - Check that [Execute] has been selected, and press the [OK] button.

DEMO1	1/1 Page
1 Execute	
Llas Oplins hutten t	a ratura ta a
	1 Execute

5

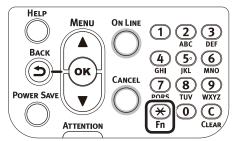
Error log

Prints a history of the errors that have occurred in the device.

How to print

Press the [Fn] key.

The numerical values input screen will be displayed.



Press functions numbers [1], [0], [3], and press the [OK] button.

Function Number	
103 0 Enter 1-3digit Number	

Check that [Execute] has been selected, and press the [OK] button.

Function Number	Error Log	1/1 Page
103	1 Execute	
Enter 1-3digi		
	Use Online butto	n to return to s

Total print results

Prints the total print results.

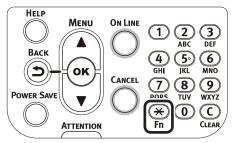
000 Memo

• Not displayed if [Usage Report] of [Print Statistics] is set to [Disable].

How to print

Press the [Fn] key.

The numerical values input screen will be displayed.



Press functions numbers [1], [0], [2], and press the [OK] button.

Function Number	
102ሺ Enter 1-3digit Number	

Check that [Execute] has been selected, and press the [OK] button.

Function Number	Usage Report	1/1 Page
102 <mark>11</mark> Enter 1-3digi	1 Execute	
Enter i-saigi		
	Use Online butto	on to return to s

4 Specify the print quantity using the scroll buttons ▲▼, and press the [OK] button.

Function Number Copies			
102 . Enter 1-3digit	✓ 1 (1 - 100)		
	Use Online button to return to s		

Total print results Printing print lists

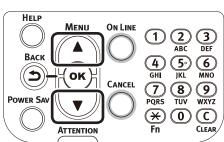
Font list

Prints the font samples stored in the device.

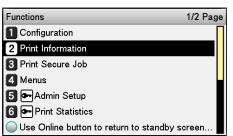
How to print



Press the scroll button \blacktriangle or \blacktriangledown .



2 Select [Print Information], and press the [OK] button.

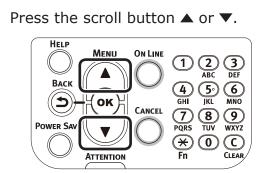


- **3** Select [PS Font List] and press the [OK] button.
- 4 Check that [Execute] has been selected, and press the [OK] button.

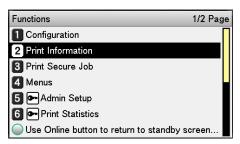
Color profile list

Prints a table of the ICC profiles registered to the file system.

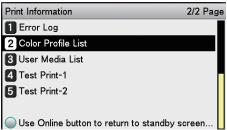
How to print



2 Select [Print Information], and press the [OK] button.



3 Select [Color Profile List], and press the [OK] button.



Check that [Execute] has been selected, and press the [OK] button.



User media list

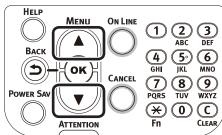
Prints a table of the user media registered to the device.

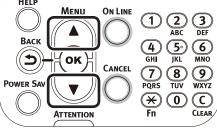
UMemo

• Displayed when the user media is registered.

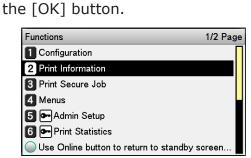
How to print

Press the scroll button \blacktriangle or \blacktriangledown .





Select [Print Information], and press



Select [User Media List], and press the [OK] button.

Use Online button to return to standby screen...

Check that [Execute] has been selected, and press the [OK] button.

Print Information	User Media List	1/1 Page
Error Log	1 Execute	
2 Color Profile		
🕄 User Media L		
4 Test Print-1		
5 Test Print-2		
Use Online b	Use Online button	to return to s

Test prints

Prints the print quality lists.

• Test print-1

Prints the patterns for analyzing the print quality.

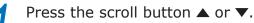
Test print-2

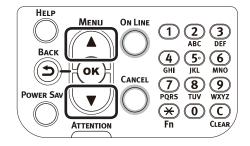
Prints the patterns for analyzing the CMYK print quality.

• Test print-4

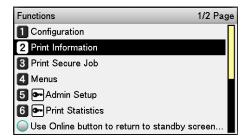
Prints the patterns for analyzing print quality of the spot color (white).

How to print

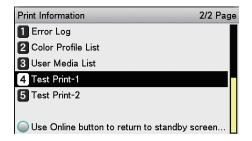




Select [Print Information], and press the [OK] button.



Select [Test Print-1], [Test Print-2], or [Test Print-4] and press the [OK] button.



[Execute] will be displayed, so press the [OK] button.

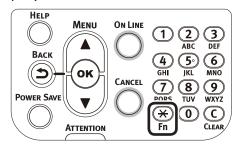
Print Information	Test Print-1	1/1 Page
1 Error Log	1 Execute	
2 Color Profile		_
3 User Media I		
🛃 Test Print-1		
5 Test Print-2		
Use Online b	🔵 Use Online butto	on to return to s

Registering custom sizes (irregular paper)

If using custom sizes, set the width and length of the paper using the control panel.

Press the [Fn] key.

The numerical input screen will be displayed.



- 2 Enter a function number according to the paper feed tray to be set.
- Multi-purpose tray settings
 Press functions numbers [9], [0], and press the [OK] button.

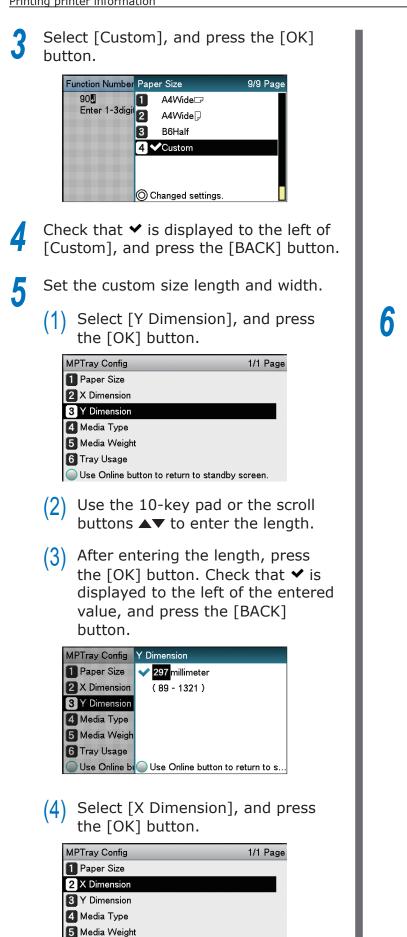
Fun	nction Number	
	90¶ Enter 1-3digit Number	

• Using tray 1

Press functions numbers [1], [0], and press the [OK] button.

10 <mark>.]</mark> Enter 1-3digit Number	

- The function numbers for trays 2 to 5 are as described below.
 - Tray 2: [Fn] key, [2], [0], and [OK] buttons.
 - Tray 3: [Fn] key, [3], [0], and [OK] buttons.
 - Tray 4: [Fn] key, [4], [0], and [OK] buttons.
 - Tray 5: [Fn] key, [5], [0], and [OK] buttons.



- Use the 10-key pad or the scroll (5) buttons $\blacktriangle \nabla$ to enter the width.
- (6) After entering the width, press the [OK] button. Check that ✓ is displayed to the left of the entered value, and press the [BACK] button.

MPTray Config	X Dimension
Paper Size	✓ 210 millimeter
💋 X Dimension	(64 - 330)
3 Y Dimension	
4 Media Type	
5 Media Weigh	
6 Tray Usage	
Use Online bi	Use Online button to return to s

Press the [ON LINE] button to return to the standby screen.

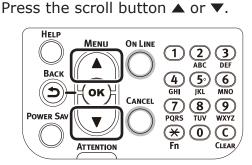


6 Tray Usage

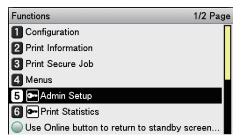
Use Online button to return to standby screen.

Changing administrator passwords

Change an administrator password. The default factory setting is [aaaaaa].



2 Select [Admin Setup], and press the [OK] button.



3 Enter the administrator password, and press the [OK] button.



Select [Change Password], and pressthe [OK] button.

2/2 Page
y screen

5 Enter the new password, and press the [OK] button.

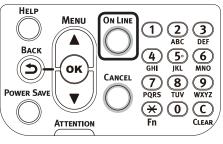


Re-enter the new password, and press the [OK] button.

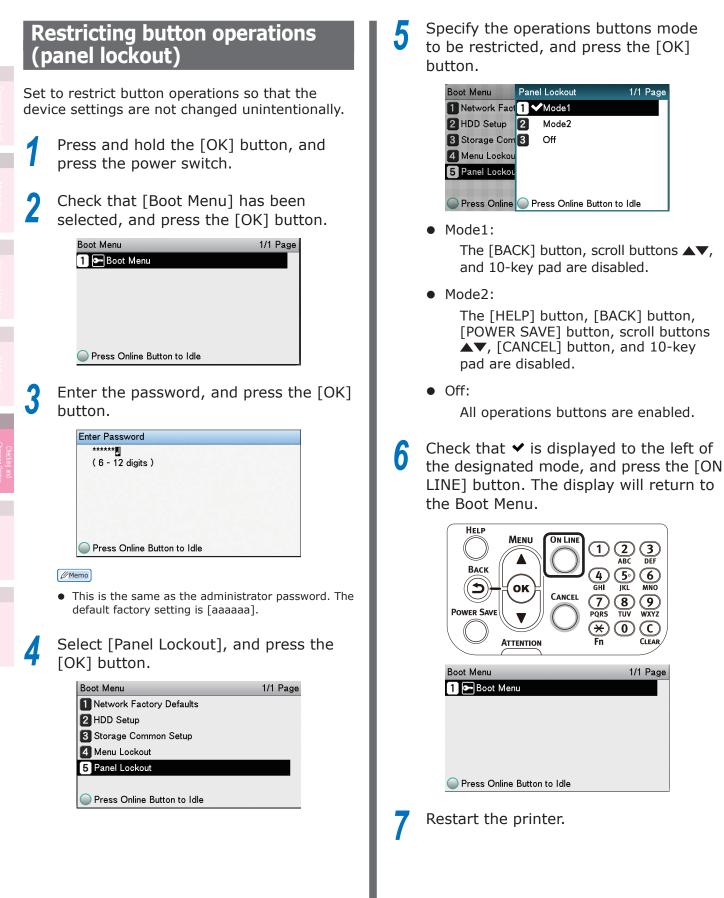
6



Press the [ON LINE] button to return to the standby screen.







1/1 Page

3 DEF

(9)

1/1 Page

ABC

(5) (6)

> IKI MNO

TUV WXYZ (\mathbf{C}) $(\mathbf{0})$

Restricting menu displays (menu lockout)

Set to restrict menu operations so that the device settings are not changed unintentionally.

- **1** Press and hold the [OK] button, and press the power switch.
- 2 Check that [Boot Menu] has been selected, and press the [OK] button.

Boot Menu	1/1 Page
1 🕶 Boot Menu	
Press Online Button to Idle	

3 Enter the password, and press the [OK] button.

Enter Password	

(6 - 12 digits)	
Press Online Button to Idle	

🖉 Memo

- This is the same as the administrator password. The default factory setting is [aaaaaa].
- Select [Menu Lockout], and press the [OK] button.

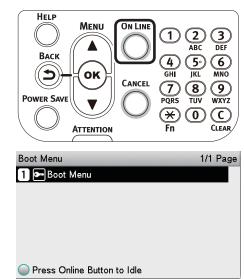
Boot Menu	1/1 Page
1 Network Factory Defaults	
2 HDD Setup	
3 Storage Common Setup	
4 Menu Lockout	
5 Panel Lockout	
Press Online Button to Idle	



Select [On], and press the [OK] button.

Boot Menu	Menu Lockout	1/1 Page
Network Fac	1 ✔On	
2 HDD Setup	2 Off	
3 Storage Con		
🤄 Menu Lockou		
5 Panel Lockol		
Press Online	Press Online But	ton to Idle

6 Check that ✓ is displayed to the left of [On], and press the [ON LINE] button. The display will return to the Boot Menu.

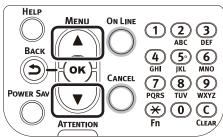


Restart the printer.

Checking print quantities

You can check the quantity of printed paper to date. You can also check the quantities printed (fed) from each tray.

Press the scroll button \blacktriangle or \blacktriangledown .



Select [Configuration], and press the [OK] button.

Functions	1/2 Page
1 Configuration	
2 Print Information	
3 Print Secure Job	
4 Menus	
5 - Admin Setup	
6 Print Statistics	
Use Online button to return to standby s	screen

Select [Tray Count], and press the [OK] button.



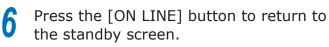
Use Online button to return to standby screen.

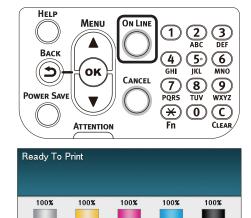
Select the tray to be ch	ecked.
Tray Count	1/1 Page
1 MPTray	
2 Tray1	
3 Tray2	
4 Tray3	
5 Tray4	
6 Tray5	
Use Online button to return to star	ndby screen.

Press the [OK] button.

Tray Count	MPTray
1 MPTray	0
2 Tray1	
3 Tray2	
4 Tray3	
5 Tray4	
6 Tray5	
Use Online	bi 🔵 Use Online button to return to s

To continue checking other items, press the [BACK] button and return to 4.



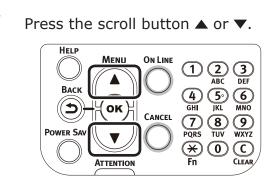




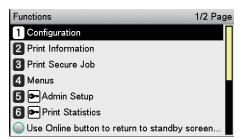
Δ

Checking remaining consumables and maintenance unit quantities

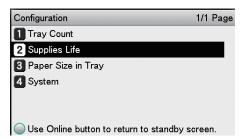
You can check the remaining quantities and service life of the toner, image drum, belt unit, fuser unit, and waste toner box.



2 Select [Configuration], and press the [OK] button.



3 Select [Supplies Life], and press the [OK] button.



4 Select the consumable or maintenance unit to be checked (Toner, image drum, belt unit, fuser unit, or waste toner box).

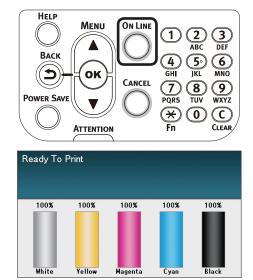
Supplies Life	1/2 Page
1 Cyan Toner (10.0K)	
2 Magenta Toner (10.0K)	
3 Yellow Toner (10.0K)	
4 Black Toner (10.0K)	
5 Cyan Drum	
6 Magenta Drum	
Use Online button to return to standb	y screen

Press the [OK] button.

Supplies Life	Cyan Toner (10.0K)
🚺 Cyan Toner (Remaining 100 %
2 Magenta Ton	
3 Yellow Toner	
4 Black Toner (
5 Cyan Drum	
6 Magenta Dru	
Use Online bi	Use Online button to return to s

To continue checking other items, press the [BACK] button and return to 5.

6 Press the [ON LINE] button to return to the standby screen.



🖉 Memo

The value to the right of the toner in the remaining consumables quantity screen changes depending on the type of toner cartridge installed.
 "10.0K" is displayed at the time of product purchase and when a standard toner cartridge is mounted.
 "24.0K" is displayed when a large-capacity toner cartridge is mounted.

• Table of setting items in the device setup screen

Device setup screen

Item	Details		
Configuration	You can check the device information (I.e., total number of sheets in each tray, remaining consumables quantity, paper size set in each tray, system information, etc.).		
Print Information	You can print the settings and font list of this machine.		
Print Secure Job	You can save print jobs to the device HDD, and enter a password to print. Displayed when the HDD is mounted.		
Menus	You can set the tray configuration, system settings, print position compensation, and color, etc.		
Admin Setup	This is the menu by which the administrator sets the network settings, changes passwords, etc.		
Print Statistics	You can check the print use status of the user.		
Calibration	You can adjust the color densities and shades, and color misalignment, etc.		
Boot Menu	You can set whether or not to restart the printer when a malfunction occurs in the HDD or file system, etc.		

5

[Configuration]

Item			Details	
Tray Count	MPTray	nnnnn	Displays the total print quantity for the Multi-Purpose Tray. (This is the number of sheets fed from the Multi-Purpose Tray.)	
	Tray1	nnnnn	Displays the total print quantity for tray 1. (This is the number of sheets fed from the tray 1.)	
	Tray2 ^{*1} Tray3 ^{*1} Tray4 ^{*1} Tray5 ^{*1} *1: The optional expansion tray unit is displayed when mounted.	nnnnn	Displays the total print quantity for each tray. (This is the number of sheets fed from each tray.)	
Supplies Life	Cyan Toner (n.nK)	Remaining nnn%	Displays the remaining toner amount percentage for each color.	
	Magenta Toner (n.nK)	Remaining nnn%		
	Yellow Toner (n.nK)	Remaining nnn%		
	Black Toner (n.nK)	Remaining nnn%		
	White Toner (n.nK)	Remaining nnn%		
	Cyan Drum	Remaining nnn%	Displays the remaining service life percentage of the cyan image drum.	
	Magenta Drum	Remaining nnn%	Displays the remaining service life percentage of the magenta image drum.	
	Yellow Drum	Remaining nnn%	Displays the remaining service life percentage of the yellow image drum.	
	Black Drum	Remaining nnn%	Displays the remaining service life percentage of the black image drum.	
	White Drum	Remaining nnn%	Displays the remaining service life percentage of the white image drum.	
	Waste Toner Box	Remaining nnn%	Displays the remaining service life percentage of the waste toner box.	
	Belt	Remaining nnn%	Displays the remaining service life percentage of the belt unit.	
	Fuser	Remaining nnn%	Displays the remaining service life percentage of the fuser unit.	
Network	Printer Name	********* ********* *******	Displays the printer name used by DNS and Network PnP	
	Short Printer Name	****** ******	Displays the short printer name.	
S	IPv4 Address	xxx.xxx. xxx.xxx	Changes the IP address. Displays the control panel [Administrator menu]>[Network setup]>[IPv4 address] setup when TCP/IP is enabled.	
	Subnet Mask	xxx.xxx. xxx.xxx	Displays the subnet mask. Displays the control panel [Administrator menu]>[Network setup]>[Subnet mask] setup when TCP/IP is enabled.	
	Gateway Address	xxx.xxx. xxx.xxx	Displays the gateway address. Displays the control panel [Administrator menu]>[Network setup]>[Gateway address] setup when TCP/IP is enabled.	
	MAC Address	xx:xx:xx: xx:xx:xx	Displays the MAC address.	

Item				Details
Network	k Network FW Version		xx.xx	Display the Network firewall version.
Web Remote Version		xx.xx		Displays the web page version.
	IPv6 Address (Local)		xxxx:xxxx: xxxx:xxxx: xxxx:xxxx: xxxx:xxxx	Displays the (local) IPv6 address. If TCP/IP is disabled, or the IP version is IPv4, this menu is not displayed.
	IPv6 Address (Global)		xxxx:xxxx: xxxx:xxxx: xxxx:xxxx: xxxx:xxxx: xxxx:xxxx	Displays the (global) IPv6 address. If TCP/IP is disabled, o the IP version is IPv4, this menu is not displayed.
Paper Size in Tray	MPTray	A4		Displays the paper size for the Multi-Purpose Tray.
	Tray1	A4		Displays the paper size for tray 1.
	Tray2 ^{*1} Tray3 ^{*1} Tray4 ^{*1} Tray5 ^{*1} *1: The optional expansion tray unit is displayed when mounted.	1 optional pansion y unit is pan		Displays the paper size for each tray.
System	Serial Number	1	XXXXXXX XXXXXXX XXX	Displays the serial number.
	Asset Number	XXX	xxxxxxx xxxxxxx xxxxxxx	Displays the asset number of the printer manager.
-	Firmware Version	xxx	.xx_x_x	Displays the version number of FirmSuite.
	CU Version	xx.>	(X	Displays the control unit firmware version.
	PU Version	xx.>	(X.XX	Displays the print unit firmware version.
	RAM	xxMB[Fxx]		Displays the total availability of all mounted RAM.
	Flash Memory			Displays the total availability of all flash memory and flash system versions installed.
	HDD ^{*1} *1: Displayed when the HDD (option) is mounted.	xx.>	xGB [Fxx]	Displays the HDD size and file system version installed.
	Date and Time	e yyyy/mm/dd hh:mm		Displays the current date and time.

[Print Information]

Item			Details
Configuration		Print	Prints the device setup details.
Network		Print	Prints the network information.
Demo Page	DEMO1	Print	Prints demo pages.
File List		Print	Prints the color profile list.
PS Font List		Print	Prints the PostScript font samples.
Usage Report ^{*1}		Print	Prints the total print results.
*1: Not displayed if [Print Statistics]>[Usage Report] is set to [Disable] on the control panel.		Drint	
Error Log		Print	Prints the error log.
Color Profile List		Print	Prints the color profile list.
User Media List		Print	Prints the user media list information. \rightarrow A method for registering user media
Test Print-1		Print	Prints the patterns for analyzing the print quality.
Test Print-2		Print	Prints the patterns for analyzing the CMYK print quality.
Test Print-4		Print	Prints the patterns for analyzing print quality of the spot color (white).

[Print Secure Job]

! Note

- Displayed when the HDD (option) is mounted.
- To enter this menu, it is necessary to enter the password for secure printing.

	Ite	em	Details
	Encrypted Job	Not Found	This message is displayed when there is no encrypted secure print job allocated to the password that has been entered.
		Print	Prints the encrypted secure print jobs stored on the HDD.
		Delete	Deletes the encrypted secure print jobs stored on the HDD.
	Stored Job	Not Found	This message is displayed when there is no secure print job allocated to the password that has been entered.
Ľ		Print	Prints the secure print jobs stored on the HDD.
		Delete	Deletes the secure print jobs stored on the HDD.

[Menus]

Tray Configuration

			 Shaded areas are factory-set values.
	Ite	em	Details
MPTray Config	Paper Size	A3Nobi A3Wide A3 A4 A4 A5 A5 A5 A6 B4 B5 B6 Legal14 Legal13 Tabloid Extra Tabloid Extra Tabloid Extra Tabloid Extra Tabloid Letter Executive 16K (195x270mm) 16K (195x270mm) 16K (195x270mm) 16K (195x270mm) 16K (195x270mm) Statement A4Wide A4Wide Custom	Sets the paper size for the Multi-Purpose Tray.
	X Dimension ^{*1} *1: Displayed when [Paper size] is set to [Custom] on the control panel.	2.5" to 8.3" to 13" 64mm to 210mm to 330mm	Sets the custom paper width for the Multi-Purpose Tray.
	Y Dimension ^{*1} *1: Displayed when [Paper size] is set to [Custom] on the control panel.	3.5" to 11.7" to 52.0" 89mm to 297mm to 1321mm	Sets the custom paper length for the Multi-Purpose Tray.

5

			 Shaded areas are factory-set values.
	Ite	em	Details
MPTray Config	Media Type Media Weight	Plain Letterhead Transparency Bond Recycled Card Stock Rough USERTYPE1 ^{*1} USERTYPE2 ^{*1} USERTYPE3 ^{*1} USERTYPE6 ^{*1} USERTYPE6 ^{*1} USERTYPE9 ^{*1} USERTYPE9 ^{*1} USERTYPE10 ^{*1} USERTYPE12 ^{*1} USERTYPE12 ^{*1} USERTYPE13 ^{*1} USERTYPE13 ^{*1} USERTYPE16 ^{*1} USERTYPE16 ^{*1} USERTYPE16 ^{*1} USERTYPE17 ^{*1} USERTYPE17 ^{*1} USERTYPE19 ^{*1} U	Sets the paper type for the Multi-Purpose Tray.
	Tray Usage	Ultra Heavy5 Normal Tray When Mismatching Do Not Use	Sets how to use the Multi-Purpose Tray. Normal Tray: (Tray selection/switching) Use as regular tray. When Mismatching: If the output tray paper size or paper type is different from the print data, print from the Multi-Purpose Tray. Do Not Use: Auto tray selection and auto tray switching are not possible. However, if [Menu]>[Tray configuration]>[Paper feed tray]>[Multi-Purpose Tray] is specified in the control panel, operations will be the same as regular trays (Uses the Multi-Purpose Tray as the auto tray).

Item			 Shaded areas are factory-set values. Details 	
				4
Tray1 Config	Paper Size	Cassette Size Custom Other Size	Sets the paper size for tray 1.	1 Conver
	X Dimension ^{*1}	to	Sets the custom paper width for tray 1.	nient print Ictions
	*1: Displayed when [Paper size]	8.3" to 13.0"		2
	is set to [Custom] on the control panel.	99mm to 210mm to 330mm		Colors 3
	Y Dimension ^{*1}		Sets the custom paper length for tray 1.	Using Uti Softwar
	*1: Displayed when [Paper size]	to 18.0"		re ty
	is set to [Custom] on the control panel.	147mm to 297mm to 457mm		Network Setup
	Media Type	PlainLetterheadTransparencyBondRecycledCard StockRoughUSERTYPE2*1USERTYPE3*1USERTYPE4*1USERTYPE6*1USERTYPE7*1USERTYPE8*1USERTYPE9*1USERTYPE9*1USERTYPE11*1USERTYPE11*1USERTYPE12*1USERTYPE14*1	Sets the paper type for tray 1.	5 Changing Perter Sattings Leng the Cantrol Panel Appendix Index
		USERTYPE15 ^{*1} USERTYPE16 ^{*1} USERTYPE17 ^{*1} USERTYPE18 ^{*1} USERTYPE19 ^{*1} USERTYPE20 ^{*1} *1: USERTYPE 1-20 will be displayed if registered.		

Item			Details	
Tray1 Config	Media Weight	Auto Ultra Light Light Medium Light Medium Heavy Medium Heavy Ultra Heavy1 Ultra Heavy2 Ultra Heavy3 Ultra Heavy4 Ultra Heavy5	Sets the paper weight for tray 1.	
	A3Nobi Paper	A3Nobi A3Wide Tabloid Extra	Set when using A3Nobi (328 x 453mm), A3WIDE (320 x 450mm), or tabloid extra (12 x 18") paper size in tray 1.	
	Legal14 Paper	Legal14 Legal13.5	Set when using legal14 (8.5 x 14") or legal13.5 (8.5 x 13.5") paper in tray 1.	
	A5LEF/A6 Paper	A5 🕞 A6	Set when using A5 \Box and A6 paper in Tray 1.	
	A5SEF Paper	A5 🖓	Set when using A5 \Box paper in Tray 1.	
T	Other Size	A4Wide A4Wide B6 16K (184x260mm) 16K (195x270mm) 16K (197x273mm) 16K (197x273mm) 16K (195x270mm) 16K (195x270mm) 8K (260x368mm) 8K (270x390mm) 8K (273x394mm) Casesta Size	Specifies other fixed paper sizes in tray 1.	
Tray2 ^{*1} Tray3 ^{*1} Tray4 ^{*1}	Paper Size	Cassette Size Custom Other Size	Sets the paper size for trays 2 to 5.	
Tray5 ^{*1} *1: The optional expansion tray unit is displayed when mounted.	X Dimension ^{*2} *2: Displayed when [Paper size] is set to [Custom] on the control panel.	3.9" to 8.3" to 13.0" 99mm to 210mm to 330mm	Sets the custom paper width for trays 2 to 5.	
	Y Dimension ^{*2} *2: Displayed when [Paper size] is set to [Custom] on the control panel.	5.8" to 11.7" to 18.0" 147mm to 297mm to 457mm	Sets the custom paper length for trays 2 to 5.	

- 192 -

5

Item			Details
Tray2 ^{*1} Tray3 ^{*1} Tray4 ^{*1} Tray5 ^{*1} *1: The optional expansion tray unit is displayed when mounted.	Media Type	Plain Letterhead Bond Recycled Card Stock Rough USERTYPE1 ^{*1} USERTYPE2 ^{*1} USERTYPE3 ^{*1} USERTYPE4 ^{*1} USERTYPE6 ^{*1} USERTYPE6 ^{*1} USERTYPE7 ^{*1} USERTYPE9 ^{*1} USERTYPE11 ^{*1} USERTYPE12 ^{*1} USERTYPE12 ^{*1} USERTYPE13 ^{*1} USERTYPE15 ^{*1} USERTYPE16 ^{*1} USERTYPE16 ^{*1} USERTYPE18 ^{*1} USERTYPE19 ^{*1} USERTYPE19 ^{*1} USERTYPE19 ^{*1} USERTYPE20 ^{*1} *1: USERTYPE 1-20 will be displayed if registered.	Sets the paper type for trays 2 to 5.
	Media Weight	Auto Ultra Light Light Medium Light Medium Heavy Heavy Ultra Heavy1 Ultra Heavy2 Ultra Heavy3 Ultra Heavy4	Sets the paper weight for trays 2 to 5.
	A3Nobi paper	A3Nobi A3Wide Tabloid Extra	Set when using A3Nobi (328 x 453mm), A3WIDE (320 x 450mm), or tabloid extra (12 x 18") paper size in trays 2 to 5.
	Legal14 Paper	Legal14 Legal13.5	Set when using legal14 (8.5 x 14") or legal13.5 (8.5 x 13.5") paper in trays 2 to 5.
	A5LEF/A6	A5 🖓	Set when using A5 \Box and A6 paper in Trays 2 to 5.
	Paper	A6	Set when using AS \square and Ac paper in mays 2 to 5.

			Shaded areas are factory-set values.	
	It	em	Details	
Tray2 ^{*1} Tray3 ^{*1} Tray4 ^{*1} Tray5 ^{*1} *1: The optional expansion tray unit is displayed when mounted.	Other Size	A4Wide A4Wide B6 16K (184x260mm) 16K (195x270mm) 16K (197x273mm) 16K (184x260mm) 16K (195x270mm) 16K (195x270mm) 8K (260x368mm) 8K (270x390mm) 8K (273x394mm)	Specifies other fixed paper sizes in trays 2 to 5.	
Paper Feed		MPTray Tray1 Tray2 ^{*1} Tray3 ^{*1} Tray4 ^{*1} Tray5 ^{*1} *1: The optional expansion tray unit is displayed when mounted.	Specifies the feed paper tray.	
Auto Tray Swit	ch	On Off	Sets whether to switch automatically to another tray when the paper in the current printing tray runs out.	
Tray Sequence		Down Up Paper Feed	Specifies the selection order of the tray when using auto tray selection or auto tray switching.	
Unit of Measur	ement	inch millimeter	Specifies the units for custom paper sizes.	

System Adjust

• Shaded areas are factory-set values.

T h		
Item		Details
Power Save Time	1 minute 2 minutes 3 minutes 4 minutes 5 minutes 10 minutes 15 minutes 30 minutes 60 minutes	Sets the time until the printer enters power save mode.
Sleep Time	1 minute 2 minutes 3 minutes 4 minutes 5 minutes 10 minutes 15 minutes 30 minutes 60 minutes	Sets the time until the printer enters sleep mode from power save mode.

Itom		Shaded areas are factory-set values.
Item	1	Details
Auto Power Off Time	1 hour 2 hours 3 hours 4 hours 8 hours 12 hours 18 hours 24 hours	Sets the time until the printer enters OFF mode from standby status.
Clearable Warning	ONLINE Job	Sets the time until clearable warning display turns OFF.
Auto Continue	On Off	Sets whether to implement auto printer recovery when a memory overflow or tray request occurs.
Manual Timeout	Off 30 seconds 60 seconds	Sets the time to wait for the paper feed during manual feed. If paper is not set within the specified time, the job is canceled.
Timeout print	Off 5 seconds 10 seconds 20 seconds 30 seconds 40 seconds 50 seconds 60 seconds 120 seconds 120 seconds 150 seconds 180 seconds 210 seconds 240 seconds 240 seconds 300 seconds	Sets the time from loss of the receipt of data until force-printing. With PS, the job is canceled without printing being implemented.
Low Toner	Continue Stop	Sets the printer operations when toner is detected. Continue: Print continuation is possible while online. Stop: Device is offline.
Jam Recovery	On Off	Sets whether to implement jam recovery print when a jam occurs. Setting [Off] cancels jobs that include pages to which the jam occurs.
Error Report	On Off	Sets whether to print error reports when an error occurs in PS.
Hex Dump	Execute	Prints the received data in hexadecimal format. Turns OFF the power when the hexdump print finishes.

Print Adjust

• Shaded areas are factory-set values.

Item				Details	
Print Position Adjust	MPTray	X Adjust	0.00 to ±2.00mm	Adjusts the overall image print position perpendicularly (horizontally) over the direction of paper travel (0.25mm intervals).	
		Y Adjust	0.00 to ±2.00mm	Adjusts the overall image print position in the direction of paper travel (vertically) (0.25mm intervals).	
		Y Scaling	-0.25% to 0.00% to +0.5%	Zoom the print image in the paper running direction. (By 0.05%)	
	Tray1	X Adjust	0.00 to ±2.00mm	Adjusts the overall image print position perpendicularly (horizontally) over the direction of paper travel (0.25mm intervals).	
		Y Adjust	0.00 to ±2.00mm	Adjusts the overall image print position in the direction of paper travel (vertically) (0.25mm intervals).	
		Y Scaling	-0.25% to 0.00% to +0.5%	Zoom the print image in the paper running direction. (By 0.05%)	
	Tray2 ^{*1} Tray3 ^{*1} Tray4 ^{*1}	X Adjust	0.00 to ±2.00mm	Adjusts the overall image print position perpendicularly (horizontally) over the direction of paper travel (0.25mm intervals).	
	*1: The	Y Adjust	0.00 to ±2.00mm	Adjusts the overall image print position in the direction of paper travel (vertically) (0.25mm intervals).	
	optional expansion tray unit is displayed when mounted.	Y Scaling	-0.25% to 0.00% to +0.5%	Zoom the print image in the paper running direction. (By 0.05%)	
Paper Black Setting		0 +1 +2 +3 -3 -2 -1	Implements fine adjustment if black or white spots appear faded when printing on plain pape in mono mode. Lower the setting value if there are only fewer white spots, or raise the setting value if the high density portion is thinner.		
Paper Color Setting			0 +1 +2 +3 -3 -2 -1	Implements fine adjustment if color spots appear faded when printing on plain paper in color mod Lower the setting value if there are only fewer white spots, or raise the setting value if the high density portion is thinner.	
Trans. Black Setting			0 +1 +2 +3 -3 -2 -1	Implements fine adjustment if black or white spots appear faded when printing on transparen in mono mode. Lower the setting value if there are only fewer white spots, or raise the setting value if the high density portion is thinner.	
Trans. Color Setting			0 +1 +2 +3 -3 -2 -1	Implements fine adjustment if color spots appear faded when printing on transparency in color mode. Lower the setting value if there are only fewer white spots, or raise the setting value if the high density portion is thinner.	

5

		 Shaded areas are factory-set values. 	
	Item	_	Details
SMR Setting	Cyan	0 +1 +2 +3 -6 -5 -5 -4 -3 -2 -1	With cyan, compensates for print results variation due to differences in the temperature and humidity environments, print density, and print frequency. Change the settings if there is burr in the image.
	Magenta	0 +1 +2 +3 -6 -5 -4 -3 -2 -1	With magenta, compensates for print results variation due to differences in the temperature and humidity environments, print density, and print frequency. Change the settings if there is burr in the image.
	Yellow	0 +1 +2 +3 -6 -5 -4 -3 -2 -1	With yellow, compensates for print results variation due to differences in the temperature and humidity environments, print density, and print frequency. Change the settings if there is burr in the image.
	Black	0 +1 +2 +3 -6 -5 -4 -3 -2 -1	With black, compensates for print results variation due to differences in the temperature and humidity environments, print density, and print frequency. Change the settings if there is burr in the image.
	White	0 +1 +2 +3 -6 -5 -4 -3 -2 -1	With white, compensates for print results variation due to differences in the temperature and humidity environments, print density, and print frequency. Change the settings if there is burr in the image.

	Item		Details
BG Setting	Cyan	0 +1 +2 +3 -3 -2 -1	With cyan, compensates for print results variatio due to differences in the temperature and humidity environments, print density, and print frequency. Change the setting if the underlay is dark.
	Magenta	0 +1 +2 +3 -3 -2 -1	With magenta, compensates for print results variation due to differences in the temperature and humidity environments, print density, and print frequency. Change the setting if the underlay is dark.
	Yellow	0 +1 +2 +3 -3 -2 -1	With yellow, compensates for print results variation due to differences in the temperature and humidity environments, print density, and print frequency. Change the setting if the underlay is dark.
	Black	0 +1 +2 +3 -3 -2 -1	With black, compensates for print results variation due to differences in the temperature and humidity environments, print density, and print frequency. Change the setting if the underlay is dark.
	White	0 +1 +2 +3 -3 -2 -1	With white, compensates for print results variation due to differences in the temperature and humidity environments, print density, and print frequency. Change the setting if the underlay is dark.
Drum Cleaning		On Off	Sets whether to implement drum cleaning before printing. The image quality may be improved.
Transfer Roller Cle	eaning	Execute	Implements cleaning of the transfer roller unit.
High Humid Mode		Mode1 Mode2 Off	Set if the paper curl after printing is conspicuous Try mode 2 if reduced paper curl effects are not obtained after settings mode 1. Setting mode 1 or mode 2 will increase the warm up time and reduce the print speed.
Moisture Control	1oisture Control		Sets whether or not to implement condensation control. If [On], completing the printing of 1 page may take time.
Narrow Paper Spe	eed	Normal Normal2 Slow	Sets the speed when printing on narrow paper. Normal: Print at a regular speed. Continuous printing may cause intermittence. Normal 2: Print at a regular speed. Continuous printing less likely to cause intermittence than Norma mode, but may be lower fixing capability. Slow: Print at a slower speed. Intermittent printing is less likely to occur.

	Item		Details
Print Mode		Normal Slow	Automatically switches the printing speed according to the usage conditions of the printer to avoid toner peeling. Not switch if [Normal] is selected.
Transfer Setting	Cyan Transfer Setting	0 +1 +2 +3 -3 -2 -1	Lower the setting value if lateral-stripe white dots appear for cyan, green and blue toner. Raise the setting value if lateral-stripe dark dots appear for cyan toner.
	Magenta Transfer Setting	0 +1 +2 +3 -3 -2 -1	Lower the setting value if lateral-stripe white dots appear for magenta and red toner. Raise the setting value if lateral-stripe dark dots appear for magenta toner.
	Yellow Transfer Setting	0 +1 +2 +3 -3 -2 -1	Lower the setting value if lateral-stripe white dots appear for yellow toner. Raise the setting value if lateral-stripe dark dots appear for yellow toner.
	Black Transfer Setting	0 +1 +2 +3 -3 -2 -1	Lower the setting value if lateral-stripe white dots appear for black toner. Raise the setting value if lateral-stripe dark dots appear for black toner.
	White Transfer Setting	0 +1 +2 +3 -3 -2 -1	Lower the setting value if lateral-stripe white dots appear for white toner.
DV Roller Cleaning		On Off	Adjust the toner disposal threshold. On: Gives priority to image quality. Off: Gives priority to toner life.

[Admin Setup]

! Note

- To enter this menu, it is necessary to enter the [Password].
- In the default factory settings, the administrator password is [aaaaaa].

Network Setup

Item	Details	
ТСР/ІР	Enables/disables the TCP/IP protocols.	
	Enable Disable	
NetBIOS over TCP [*] *: Displayed if [TCP/IP] in the control panel is set to [Enable].	Enable Disable	Enables/disables the NetBIOS over TCP/IP.
EtherTalk	Enable Disable	Enables/disables EtherTalk.
IP Address Set [*] *: Displayed if [TCP/IP] in the control panel is set to [Enable].	Auto Manual	Sets whether to request the IP address from the DHCP server.
IPv4 Address [*] *: Displayed if [TCP/IP] in the control panel is set to [Enable].	xxx.xxx.xxx. xxx	Sets the IP address.
Subnet Mask [*] *: Displayed if [TCP/IP] in the control panel is set to [Enable].	xxx.xxx.xxx. xxx	Sets the subnet mask.
Gateway Address [*] *: Displayed if [TCP/IP] in the control panel is set to [Enable].	xxx.xxx.xxx. xxx	Sets the gateway address.
Web [*] *: Displayed if [TCP/IP] in the control panel is set to [Enable].	Enable Disable	Enables/disables access using web browsers.
Telnet [*] *: Displayed if [TCP/IP] in the control panel is set to [Enable].	Enable Disable	Enables/disables access using TELNET.
FTP* *: Displayed if [TCP/IP] in the control panel is set to [Enable].	Enable Disable	Enables/disables access using FTP.
IPSec* *: Displayed if [TCP/IP] in the control panel is set to [Enable].	Enable Disable	Enables/disables access using IPSec.
SNMP* *: Displayed if [TCP/IP] in the control panel is set to [Enable].	Enable Disable	Enables/disables access using SNMP.
Network Scale	Normal Small	 Normal: The printer will operate effectively even if connected to a hub with spanning tree functions. Small scale, however, is 2 to 3 PCs. When connected to a small-scale LAN, the printer startup time will be lengthened. Small: From small scale LANs with 2 or 3 PCs to large scale LANs are covered, but if connected to a hub with spanning tree functions, operations may not be effective.
Gigabit Network	Enable Disable	Sets whether to support a Gigabit network.

Details Auto Sets the connection mode to the hub. 100Base-TX Full 100Base-TX Half 10Base-T Full 10Base-T Half Execute Restores the settings such as network, mail server, LDAP server, and secure protocol server, etc., to their default values.

USB Setup

Network Factory Defaults

Hub Link Setting

Item

		 Shaded areas are factory-set values.
Item		Details
USB	Enable Disable	Enables/disables access using a USB interface.
Speed	480Mbps 12Mbps	Sets the maximum baud rate using a USB interface.
Soft Reset	Enable Disable	Enables/disables the software reset command.
Serial Number	Enable Disable	Enables/disables the USB serial number. The USB serial number is used to identify USB devices connected to a PC.
Offline Receive	Enable Disable	Sets whether to receive data even if offline or a recoverable error occurs.

Print Setup

Item		Details		
Copies			1 to 999	Sets the copy quantity. This setting is disabled unless local print is set to demo data.
Job Offset			On Off	Sets whether to enable job offset.
Output Bin			Face Down Face Up	Sets the output bin.
Media Check	Media Check		Enable Disable	Sets whether to enable the print data paper size and the tray paper size mismatch.
A4/Letter Ove	erride		No Yes	Sets whether to print by switching A4 to letter size and letter to A4 size when there is no paper suited to the print data size in the tray.
Resolution		600dpi 1200dpi 1200x600dpi n	nulti-levels	Sets the resolution.
Toner Save	Toner Save Le	vel	Off Low Middle High	Sets the toner ave quantity. Specifies [Off] when toner save mode is disabled.
	Color		All Except 100% Black	 All: All colors, including 100% black, comprise all the target colors for toner saving. Except 100% Black: All colors, excluding 100% black, comprise all the target colors for toner saving.
Mono-Print Mo	ode		Auto Color Mode Normal Mode	 Sets the monochrome page print mode. Auto: If the first page is monochrome page or monochrome page + spot color, print it by using only the black image drum or black + spot color image drum. If a color page appears, print it by using the 4-color image drum and continue to print even if monochrome page appears. Color Mode: The CMYK image drum always prints down, and the white image drums print down from where the page is, including white. Normal Mode: K image drums are normally printed down, and other color image drums are down when printing pages that do not include such colors. However, CMY image drums are down/up using three colors.
Default Orient	tation		Portrait Landscape	Sets the print orientation.
Form Length			5 lines to 64 lines to 128 lines	Sets the number of printable lines per page.

5

	Item		Shaded areas are factory-set values. Details
Edit Size			
Edit Size	Cassette size A3Nobi A3Wide A3 A4 A4 A4 A5 A5 A5 A5 A5 A5 A6 B4 B5 B5 B5 B6 Legal14 Legal13.5 Legal13 Tabloid Extra Tabloid Extra Tabloid Extra Tabloid Extra Tabloid Extra Tabloid Extra Tabloid Letter Executive 16K (184x260) 16K (197x273) 16K (197x273) 16K (197x273) 16K (197x273) 8K (260x368n 8K (270x390n 8K (273x394n) Statement A4Wide A4Wide Custom	mm)	Sets the edit size of the paper if the paper size has not been specified from the PC. Disabled with PS.
Trapping		Off Narrow Wide	Sets trapping.
X Dimension		2.5" to 8.3" to 13" 64mm to 210mm to 330mm	Sets the default custom paper width.
Y Dimension		3.5" to 11.7" to 52.0" 89mm to 297mm to 1321mm	Sets the default custom paper length.

PS Setup

• Shaded areas are factory-set values.

	Item		Details
Ν	letwork Protocol	ASCII RAW	Sets the PS communications protocol mode for data from the network.
l	JSB Protocol	ASCII RAW	Sets the PS communications protocol mode for data from the USB.
P	PDF Paper Size	Tray Size PDF Paper Size	Set the paper size when printing with PDF Direct Print.

Color Setup

• Shaded areas are factory-set values.

	Item		Details
	Ink Simulation	Off SWOP ISO Coated Japan	Sets the ink simulation. This setting is enabled only for PS language jobs.
	UCR	Low Medium High	You can select the black plate (black) amount during color printing. Setting more black plate economizes on the toner of the other three colors.
	CMY 100% Density	Enable Disable	Enables and disables 100% output over the CMY 100% shade values.
	CMYK Conversion	On Off	You can select the method of total toner amount control for CMYK data. Select [Off] to disable the GCR (Gray Component Replacement). Further, this menu setting is disabled if using the ink simulation function.
	Spot Color	White	Displays the spot color information. The setting is enabled after the printer is restarted.

Panel Setup

Item		Details
Near Life Status	Enable Disable	Sets the panel display control when a near life warning occurs for the image drum, fuser unit, or belt.
Near Life LED	Enable Disable	Sets the alarm lamp ON control when a near life warning occurs for the toner, image drum, fuser unit, belt, or waste toner box.
Idle Display	Toner Gauge Paper Size	Sets the information displayed in the standby screen.
Panel Brightness During Operating	5 to 31	Adjusts the brightness (backlight luminosity) of the control panel LCD. The set brightness is applied during control panel operations.
Panel Brightness While Power Save	0 to 1 to 31	Adjusts the brightness (backlight luminosity) of the control panel LCD. The set brightness is applied after the panel backlight timer time has eplased from the last operation.

Item		Details
Item	1	Details
Panel Backlight Timer	10 to 30 to 300	Adjusts the time (s) from the last operation to when the panel brightness (during power save) is applied.
Front Lamp	Mode1 Mode2 Off	Sets the printer front lamp operations. Mode1: Lit when in standby mode, flashes slowly during processing, and flashes rapidly when an error occurs. Mode2: Lit when in standby mode, flashes slowly during processing, and OFF when an error occurs. Off: Normally OFF.

■ Time Setup

		 Shaded areas are factory-set values.
	Item	Details
Date Format	yyyy/mm/dd mm/dd/yyyy dd/mm/yyyy	Sets the date display mode.
Time Zone	-12:00 to +0:00 to +13:00	 Sets the time difference from GMT in 15-minute units. If the time zone setting is changed, the tome differences before and after the change is reflected in the current time. Memo • The factory default is set to +9.00.
Daylight Saving	On Off	Sets whether to display summertime. On: Advances the current time by 1 hour. Off: Turns back the current time by 1 hour.
Time Setting	2000/01/01 00 :00 to 2009/01/01 00 :00 to 2091/12/31 23 :59	 Sets the time. Memo The factory default is to set the time.

Power Setup

Item		Details
Power Save	Enable Disable	Enables/disables power save mode.
Sleep	Enable Disable	Enables/disables sleep mode.
Auto Power Off	Enable Auto Setting Disable	Sets auto power OFF mode.

Others Setup

					• Shaded areas are factory-set values.
		Ite	em		Details
RAI	M Setup	Receive Buffer Size		Auto 0.5 MB 1 MB 2 MB 4 MB 8 MB 16 MB 32 MB	Sets the incoming buffer size that is assured by the local interface.
		Resource Save		Auto Off 0.5 MB 1 MB 2 MB 4 MB 8 MB 16 MB 32 MB	Sets the resource saving area size.
Fla	sh Memory cup ^{*1}	Initialize		Execute	Initializes flash memory.
*1:	Displayed when the control panel [Common storage settings]> [Enable initialization] is set to [Yes].	Resize PS Area		nn% [n.n MB]	Sets the Percentage of PS area in the flash memory.
HDD) Setup ^{*1*2*3}	Initialize		Execute	Initializes the HDD.
_{*1} .	Displayed	Resize Partition	PCL nn%	20%	Sets the partition size.
	when the control panel		Common mm%	50%	
	[Common storage		PS II%	30%	
	settings]>		<apply></apply>		
	[Enable initialization] is set to [Yes].			PCL Common PS	Formats the selected partition.
	Displayed when [Boot Menu]> [HDD Setup]> [Enable HDD] in the control panel is set to [Yes].	Erase HDD		Execute	Deletes all HDD data such that it cannot be recovered.
*3:	Displayed when the HDD is mounted.				

		 Shaded areas are factory-set values. 	
	Item	Details	
Storage Common Setup ^{*1} *1: Displayed when the	Check File System ^{*2} *2: Displayed when [Boot Menu]>[HDD Setup]>[Enable HDD] in the control panel is set to [Yes].	Execute	Implements management data (FAT information) recovery, and resolves mismatches between the actual (free) space in the file system and the free space displayed.
HDD is mounted.	Check All Sectors ^{*2} *2: Displayed when [Boot Menu]>[HDD Setup]>[Enable HDD] in the control panel is set to [Yes].	Execute	Recovers defective sector information on the HDD and file system nonconformances.
	Enable Initialization	No Yes	Sets whether or not to authorize setup changes concomitant with HDD and flash memory initialization.
Security Setup ^{*1}	Job Limitation	Off Encrypted job	Sets the job restriction mode controls. If [Job encryption] is selected, non-encrypted secure prints will be discarded.
*1: Displayed when the HDD (option) is mounted and [Boot Menu] > [HDD Setup] >[Enable	Make Secure HDD ^{*2} *2: Displayed when [Storage Common Setup]>[Enable Initialization] is set to [Yes] on the control panel and the HDD encryption is disabled.	Execute	Enables the data encryption function stored on the HDD. All data stored on the HDD to date will become unrecoverable when this process is implemented.
HDD] is set to [Yes] on the control panel.	Make Normal HDD ^{*3} *3: Displayed when [Storage Common Setup]>[Enable Initialization] is set to [Yes] on the control panel and the HDD encryption is enabled.	Execute	Unlocks the data encryption function stored on the HDD. All data stored on the HDD to date will become unrecoverable when this process is implemented.
	Reset Cipher Key ^{*3} *3: Displayed when [Storage Common Setup]>[Enable Initialization] is set to [Yes] on the control panel and the HDD encryption is enabled.	Execute	Regenerates the encryption key used in the encrypted HDD. All data stored on the HDD to date will become unrecoverable when this process is implemented.
Language Setup	Language Initialize	Execute	Deletes the message files that have been downloaded.
Font Setup	Font Output Mode	JIS90 JIS2004	Sets the font output mode.

			• Shaded areas are factory-set values.
	Item		Details
Job Cancel Setup	Cancel Key Behavior	Short Long Off	 Sets the operations when the device [CANCEL] button is pressed. Short: Press and hold for 2s max. to cancel the print job. Long: Press and hold for 2 to 5s to cancel the print job. Off: Disables the [CANCEL] button.
	Inquiry Display	On Off	Sets whether to display the enquiry screen when a job is canceled.
	Focus Position	Yes No	Sets whether to apply [Yes] or [No] focus for selection in the job cancellation enquiry screen.
	Display Timeout	60 to 180 to 300	Sets the display timeout value for the enquiry screen when a job is canceled.

Settings

		 Shaded areas are factory-set values.
Item		Details
Reset Settings	Execute	Restores the user menu settings to the factory settings.
Save Settings	Execute	Saves the current menu settings.
Restore Settings ^{*1}	Execute	Changes the saved menu settings.
*1: Displayed when [Save Settings] is executed on the control panel.		

Change Password

• Shaded areas are factory-set values.

Item		Details
New password	*****	Sets a new password to be entered in the [Administrator menu] and [Boot Menu].
Verify Password	****	Sets a new password to be entered in the [Administrator menu] and [Boot Menu] for which [New password] has been set.

5

[Print Statistics]

! Note

- To enter this menu, it is necessary to enter the [Password].
- In the default factory settings, the password is [0000].

٠	Shaded	areas	are	factory-set	values.
---	--------	-------	-----	-------------	---------

	Item		Details
JOB LOG		Enable Disable	Enables/disables the totalization function.
Supplies Repor	t ^{*1}	Enable Disable	Sets whether or not to display the number of consumables replacements.
	d if [Usage Report] is set to the control panel.		
Reset Main Cou	unter ^{*1}	Execute	Resets the main counter aggregate value.
	d if [Usage Report] is set to the control panel.		
Consumables of	counter reset ^{*1*2}	Execute	Resets the number of consumables replacements.
	d if [Usage Report] is set to the control panel.		
	d if [Supplies Report] is set to the control panel.		
Change Password ^{*1}	New Password	****	Sets the new password to be entered in [Print Statistics].
*1: Not displayed if [Usage Report] is set to [Disable] on the control panel.	Verify Password	***	Sets a new password to be entered in the [Print Statistics] for which [New Password] has been set.

Index

[Calibration]

• Shaded areas are factory-set values.

	Item	Details	
Auto Density M	ode	On Off	Sets whether to automatically compensate density and shade.
Auto BG Adjust *1: Displayed if panel is set t	[Auto Density Mode] in the control	Off -1 0 +1 +2	Compensates for print results variation due to differences in the temperature and humidity environments, print density, and print frequency. Changes the value if there is burr in the image or the underlay is dark.
Density Adjustr	ment Media	Standard Media Special Media	 Sets the density adjustment to suit the media used. Standard Media: For the media of standard thickness to be printed at high speed. Special Media: For the thick or special media to be printed at low speed.
Adjust Density		Execute	Implements density compensation. Implement when the device is in standby mode.
Adjust Registra	tion	Execute	Implements auto color misalignment compensation operations. Implement when the device is in standby mode.
Heavy Media A	djust	Off -5 to 0 to +15	Compensates the fixing speed during card stock printing.
Ultra Heavy Me	dia Adjust Mode	Off 1 2 3 4 5 6 7 8 9 10	Set it when horizontal stripes appear when printing on thick paper.
Heavy Media M	ode	Auto On Off	Sets the card stock mode. Suppresses misalignment of the image training edge during card stock printing. Enabled for ultra card stock 4 and ultra card stock 5.
Specific Media Feed Mode	MP tray	Off 1 2 3 4 5	Set the paper feeding interval. Off: Normal paper interval 1: 1.2 times the normal 2: 1.4 times the normal 3: 1.7 times the normal 4: 2 times the normal 5: 13 times the normal
	Tray 1	Off On	Set the paper feeding interval. Off: Normal paper interval
	Tray 2	Off On	On: 2 times the normal
	Tray 3	Off On	
	Tray 4	Off On	
	Tray 5	Off On	

5

	Thomas		Shaded areas are factory-set values.
	Item		Details
Color Density	Cyan Density	-3 to 0 to +6	Adjusts the cyan density. This setting is enabled from printing after the density compensation has been implemented.
	Magenta Density	-3 to 0 to +6	Adjusts the magenta density. This setting is enabled from printing after the density compensation has been implemented.
	Yellow Density	-3 to 0 to +6	Adjusts the yellow density. This setting is enabled from printing after the density compensation has been implemented.
	Black Density	-3 to 0 to +6	Adjusts the black density. This setting is enabled from printing after the density compensation has been implemented.
	White Density	-3 to 0 to +6	Adjusts the white density. This setting is enabled from printing after the density compensation has been implemented.
Print Color Tur	ning Pattern	Execute	Prints patterns to match the shading characteristics.
Base Color Tuning	Highlight	A-1 A-2 B-1 B-2 to O-1 O-2	Matches the color balance for the parts displayed as most clear in the highlight area of the printed color matching pattern. The matching results are reflected in the highlight matching values for cyan, magenta, and yellow matching.
	Mid-Tone	A-1 A-2 B-1 B-2 to O-1 O-2	Matches the color balance for the parts displayed as most clear in the mid-tone area of the printed color matching pattern. The matching results are reflected in the mid-tone matching values for cyan, magenta, and yellow matching.
	Dark	A-1 A-2 B-1 B-2 to O-1 O-2	Matches the color balance for the parts displayed as most clear in the dark area of the printed color matching pattern. The matching results are reflected in the dark matching values for cyan, magenta, and yellow matching.

×

	The			Shaded areas are factory-set values.
	Ite	1	1	Details
Fine Color Tuning	Cyan Tuning	Highlight	-4 to 0 to +4	Matches the highlights (light areas) of the cyan shade characteristics.
		Mid-Tone	-4 to 0 to +4	Matches the intermediate areas of the cyan shading characteristics.
		Dark	-4 to 0 to +4	Matches the dark (dark areas) of the cyan shade characteristics.
	Magenta Tuning	Highlight	-4 to 0 to +4	Matches the highlights (light areas) of the magenta shade characteristics.
		Mid-Tone	-4 to 0 to +4	Matches the intermediate areas of the magenta shading characteristics.
		Dark	-4 to 0 to +4	Matches the dark (dark areas) of the magenta shade characteristics.
	Yellow Tuning	Highlight	-4 to 0 to +4	Matches the highlights (light areas) of the yellow shade characteristics.
		Mid-Tone	-4 to 0 to +4	Matches the intermediate areas of the yellow shading characteristics.
		Dark	-4 to 0 to +4	Matches the dark (dark areas) of the yellow shade characteristics.
	Black Tuning	Highlight	-3 to 0 to +3	Matches the highlights (light areas) of the black shade characteristics.
		Mid-Tone	-3 to 0 to +3	Matches the intermediate areas of the black shading characteristics.
		Dark	-3 to 0 to +3	Matches the dark (dark areas) of the black shade characteristics.

	Item	Details	
Reset Color Tu	ning	Execute	Resets the CMYK color matching.
White Tuning	Highlight	-3 to 0 to +3	Matches the highlights (light areas) of the white shade characteristics.
	Mid-Tone	-3 to 0 to +3	Matches the intermediate areas of the white shading characteristics.
	Dark	-3 to 0 to +3	Matches the dark (dark areas) of the white shade characteristics.

[Boot Menu]

! Note

- To enter this menu, press and hold the [OK] button while turning ON the power supply.
- To enter this menu, it is necessary to enter the [Password].
- In the default factory settings, the administrator password is [aaaaaaa].
- This menu is displayed in English only.

	Item	Details	
Network Factor	Network Factory Defaults		Implements network menu initialization.
HDD Setup ^{*1} *1: Displayed when the HDD is mounted.	Enable HDD	No Yes	Sets whether to start the printer viewing the HDD is not mounted when the HDD is actually mounted.
Storage Common Setup ^{*1*2}	Check File System	Execute	Implements management data (FAT information) recovery, and resolves mismatches between the actual (free) space in the file system and the free space displayed.
 *1: Displayed when the HDD is mounted. *2: Displayed when [Enable HDD] in the control panel is set to [Yes]. 	Check All Sectors	Execute	Recovers defective sector information on the HDD and file system nonconformances.
Menu Lockout		On Off	Sets whether not to display menus other than the Secure Print/Encrypted Secure Print in the control panel.
Panel Lockout		Mode1 Mode2 Off	Sets whether to disable the operations buttons on the control panel.

Appendix

Character code table 216

Character code table

PostScript mode

Standard Latin fonts

Low code

							ЦО		ouc							
	0	1	2	3	4	5	6	7	8	9	Α	В	С	D	Е	F
0																
1																
2		!	"	#	\$	0/0	&	1	()	*	+	,	-		/
3	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
4	@	A	В	С	D	Е	F	G	Н	I	J	K	L	М	Ν	0
5	Ρ	Q	R	S	Т	U	V	W	Х	Y	Z	[\]	^	_
6	`	a	b	С	d	е	f	g	h	i	j	k	1	m	n	0
7	р	q	r	s	t	u	v	W	x	У	z	{	I	}	2	
8																
9																
А		i	¢	£	/	¥	f	§	¤	1	"	«	<	>	fi	fl
В		-	t	ŧ			¶	•	,	"	"	»		010		ż
С		`	,	^	~	-	~	•			•	3		"	ć	v
D	_															
Е		Æ		a					Ł	ø	Œ	o				
F		æ				ı			Ī	ø	œ	ß				

■ Symbol

Low code

	0	1	2	3	4	5	6	7	8	9	Α	В	С	D	Е	F
0																
1																
2		!	\forall	#	Π	%	&	Э	()	*	+	,	-	•	/
3	0	1	2	3	4	5	6	7	8	9	:	;	~	=	~	?
4	II	А	В	Χ	Δ	Е	Φ	Γ	Н	Ι	θ	K	Λ	М	N	0
5	П	Θ	Р	Σ	Т	Y	ς	Ω	[Ξ]	Ψ	Z	[÷]	Η	_
6	ļ	α	β	χ	δ	ε	¢	γ	η	ι	φ	κ	λ	μ	ν	0
7	π	θ	ρ	σ	τ	υ	ល	ω	ξ	ψ	ζ	{	Ι	}	ł	
8																
9																
A	€	r	,	\leq	/	8	f	*	٠	۷	٨	\leftrightarrow	\leftarrow	\uparrow	\rightarrow	\downarrow
В	o	±	"	≥	×	~	9	•	÷	≠	=	и			—	Ļ
С	х	I	R	Ø	\otimes	Ð	Ø	\cap	U	\cap		⊄	C	⊆	∈	∉
D	Ζ	∇	®	©	TM	П	\checkmark		7	^	\vee	⇔	⇒	↑	⇒	⇒
Е	\diamond	<	®	©	ТМ	Σ	(l	Γ		L	ſ	{	l	
F		>	ſ	ſ	I	J)		J	1	I	Ţ]	}	J	
	1 2 3 4 5 6 7 8 9 A B C D E	0 $ 1 $ $ 2 $ $ 3 $ $ 0 $ $ 4 $ $ ≡ $ $ 5 $ $ Π $ $ 6 $ $ $ $ 7 $ $ 7 $ $ 7$	0123014≅A5Π67πθ89A€YB±C X D∠E◊	012! \forall 30124 \cong AB5 Π Θ P6 $ \alpha$ β 7 π θ ρ 89A \in Υ 'B \circ \pm "C \aleph \Im \Re D \angle ∇ \mathbb{B} E \Diamond ζ \mathbb{B}	0 1 2 ! \forall # 3 0 1 2 3 4 \cong A B X 5 Π Θ P Σ 6 $ \alpha$ β χ 7 π θ ρ σ 8 9 9 A \in Υ Υ \leq B \cdot \pm Υ \leq D \angle ∇ \mathbb{R} \mathbb{C} E \Diamond ζ \mathbb{R} \mathbb{C}	0 I I I I 1 I I I I I 2 I I I I I 3 0 1 2 3 I 4 Image: A B X Image: A 5 II Image: A B X Image: A 6 Image: A B X Image: A Image: A 7 Image: A Image: B Image: A Image: B Image: A 8 Image: A Image: B Image: B	0 1 2 ! \forall # \exists % 3 0 1 2 3 4 5 4 \cong A B X Δ E 5 Π Θ P Σ T Y 6 $\overline{}$ α β χ δ ϵ 7 π Θ ρ σ τ υ 8 I I 9 I I 9 I I 8 I I I 9 I I I A \in Υ I I	0 1 2 ! \forall # \exists % & 3 0 1 2 3 4 5 6 4 \cong A B X Δ E Φ 5 Π Θ P Σ T Y ς 6 \neg α β χ δ ϵ ϕ 7 π Θ ρ σ τ υ σ 8 \ldots α β χ δ ϵ ϕ 9 \ldots \ldots \ldots \ldots \ldots \ldots \ldots 9 \ldots \ldots \ldots \ldots \ldots \ldots \ldots A \in Υ $'$ \leq \checkmark ∞ ∂ B \circ \pm	0 I	0	0	0 I	0	0	0	0

Wingdings-Regular

Low code

	0	1	2	3	4	5	6	7	8	9	A	В	С	D	E	F
0																
1																
2		an a constant	\times	*	GS .	A	Q	ô	2	٩		=	<u>.</u>	đ	đ	Ð
3		Ð	A		Í	I-9-	8	ź	~	ve				a	٩	£
4	×	y	8	\$	\$	÷	°	đ	P	÷	0	۲	8	•	®X.	Þ
5	B	<i></i>	٥	٠	*	÷	Ŷ	¢	₽	☆	Ġ	۲	30	⇔	Υ	8
6	Π	69	ઈ	mp	ন	m,	\overline{X}	Y _o	<i></i>	ж	er	æ	•	0		
7				•	•	٠	*	•	×		ж	۲	٥	"	"	
8	0	0	0	3	4	5	6	Ø	8	9	10	0	0	0	0	9
9	6	0	0	0	ø	0	હ્ય	છ	ନ୍ଦ	લ્સ	òr	જ	æ	y.		•
Α	•	0	0	0	0	0	0	•		*	+	*	*	*	٠	*
в		¢	÷	д	\$	٥	\$	Ø	Ð	Θ	0	Ø	Ū	Ø	Ø	Ð
С	٢	C	O	4	₿	ণ্য	ŵ	Ŷ±.	Ð	Æ	₽	ж	×	ø	8	8
D	ø	k	ø	ନ୍ଦ	ষ	\boxtimes	∞	4	>	A	A	c	٢	0	U	<i></i>
Е	÷	↑	\downarrow	R	я	Ľ	Ы	÷	>	↑	¥	R	Я	Ľ	ы	\$
F	⇔	Û	Û	⇔	û	5	Ø	ß	8			×	✓	×	Ø	Ð

High code

ZapfDingbats

Convenient print 2 Matching 3 Using utility 4 Network 5

								Lo	w c	ode							
		0	1	2	3	4	5	6	7	8	9	A	В	С	D	E	F
	0																
	1																
	2		*	*	*	≫	a	Ø	۲	+	×	•	137	¥	Æ	۵	0
	3	ø	ಾ	•≎	1	V	×	×	x	×	÷	+	÷	٠	+	Ŷ	ŧ
	4	Æ	☆	+	*	*	¢	+	\$	*	☆	٥	*	★	*	슝	*
	5	☆	*	*	*	*	*	*	*	*	*	*	*	*	*	*	\$
code	6	*	٥	٥	*	*	*	*	*	*	*	*	*	•	0		
High o	7	٥				▼	•	*		I	I		6	•	66	"	
Ηİ	8	()	()	(}	<	>	()	1	1	{	}		
	9																
	Α		Ţ	:	*	•	*	¥	æ	*	•	•	٠	1	2	3	4
	В	5	6	7	8	9	10	0	0	0	0	6	6	0	8	9	0
	С	1	2	3	4	5	6	7	8	9	10	0	0	0	9	6	6
	D	0	0	0	0	→	\rightarrow	\leftrightarrow	\$	*	→	~	*	→	→	→	
	Е		-	≻	≻	>	-	-	۲	•	⇒	¢		¢	۵	⇒	⇒
	F		⇒	Э	>>	*,	⇒→	17	الله ا	*	*	•>	•>	>>	*	⇒	

Hoefler Text Ornaments

Low code

		0	1	2	3	4	5	6	7	8	9	Α	В	С	D	Е	F
	0																
	1																
	2														_		
	3		3	÷	ж	\times					-						
	4		¢	R	X	Ŋ	X	Ko	R	R	Q	Q	õ	õ	Ø	0	©
	5	0	%e>	ŵ	~								<u>k</u>		-		
code	6		è	R	ð	Ś	X	ko	R	Ŕ	ত	©	ত	Q	ଭ	୭	ଭ
	7	0	% •	÷	æ	攀	¢	4	M	÷.	*	a					
High	8																
	9																
	А																
	В																
	С																
	D																
	Е																
	F	ć															

Index

3

A

Adjusting density	68
Adjusting ultra fine lines	32
Administrator menu	200
Administrator passwords	179
Administrator setup	137
Auto density compensation mode	66
Auto tray selection	46
Auto tray switching	54

В

Basic	2
Black finish	79
Black Finish	79
Black overprint	

С

Changing passwords20	8
CMY 100% density20	4
Collate 49, 5	0
Color matching	
Automatic7	4
Graphic Pro7	7
No Color Matching7	8
Office colors7	5
Color misalignment compensation (manual)6	6
Consumables and maintenance unit	3
Controlling control panel buttons	0
Controlling control panel menus	1
Cover Printing4	7

D

Dark	71
Date and time	205
Dates	
Density compensation (auto)	66
Density compensation (manual)	67
Device information	116, 137
Device settings screen	
DHCP server	
Setting devices	

Setting devices
Setting servers130
Direct printing167
Downloading PostScript files57
Downloading PostScript files to the device57

Ε

E-mail receiving settings118
E-mail sending settings119
Easy Guide (Set-up Guide)2
Encrypted communications141, 145
Encrypted jobs
Encrypted Secure Print37
Encryption (SSL/TLS)126
EtherTalk117
Changing printer names166
Changing zone names166

F

Face-down stacker43
Face-up stacker43
Fine line adjustment31
Flash memory initialization 206
Freeing the PC from print processing55

G

General network	setup	. 116
-----------------	-------	-------

Н

HDD initialization	206
Highlight	. 70, 73

ICC profiles	84
IEEE802.1X	124, 162
IP address	99
IP filtering	125
IP filters	
IPP	123
IPSec	127, 145

J

Job list	38
Job Spool	55

Μ

153
126
116
114
113
55, 157
128
45
3
2
181
181
70
58
. 45, 46
. 17, 21
. 17, 21

Ν

NetBIOS over TCP 118
Not printing underlines or shading30

0

Orientation

Printing on face-down print surfaces43
Printing on face-up print surfaces43
Overlay printing52
Overlaying stamps to print48

Ρ

Panel lockout	180
Panel Lockout	180
Paper size	50
Paper Size Setup	29
Paper supporter	43
Paper trays	21
Paper Weight	
Passwords	139
Preventing line blurring	32
Print quantity	182
Print totalization results	174
Printable custom sizes	21
Printer buffer	55
Printer drivers	
Changing default settings	59
Deleting	60
Mac OS X PS printer drivers	14
Updating	61
Windows PS printer drivers	12
Printer information	185
Printing 17	, 21
Custom media	24
Transparencies	17
User-defined paper sizes	21
Printing black using black toner only	79
Printing color matching patterns 69	, 72
Printing colored text naturally vividly	31
Printing fine lines naturally vividly	32
Printing orientations alternately	50
Printing pages individually	45
Printing PDF files without using the printer	
drivers	167

Printing	ProQ2400	.30
Printing	reports/lists	

Demo pages173
Error logs174
File list
Font list175
Network information172
Print totalization results 174
Test printing176
User media list 176
Printing separations in CMYK85
Printing using registered forms52
Printing using shades of black and white81
Prioritizing print speed using low resolution30
Profile assistant88

R

Reducing several pages to 1 sheet for printing \dots 26
Removing color parts
Rendering colored lines inconspicuous83
Rendering white lines inconspicuous82
Rotate Sort function

S

Saved jobs	36
Saving print jobs to the device	51
Scaling prints	28
Secure Print	35
Security	125
Separation printing	85
Setting networks to factory settings	
Setting passwords in print jobs	. 35, 37, 51
Setting the resolution	
Setup Manual	2
SNMP	122, 133
SNMP Trap	122
SNMPv3	
SNTP	124
Sort printing	49
Specifying 1st page print method	

Specifying toner consumption amount27
SSL/TLS141
Synthesizing and printing black using CMYK
toner79

Т

TCP/IP 117
Time zones 205
Toner economy mode27
Toner save27
Trapping83
Tray Switch53
Troubleshooting/Daily Maintenance Manual2
TrueType fonts

U

Uses custom sizes	7
Using custom media24	4
Using fonts PC	4
Printer3	3
Using the BOOTP environment132	2

W

Watermarks48
Web browser116, 135
Items table137
Login136
Web printing 128
Windows utilities
Change the Printer Display Language 102
Configuration Tool95, 116
Direct Network Printing Utility (LPR) 104
Network Extension 111
Writing print data to files56

■ Memo

ex

Oki Electric Industry Co., Ltd. 1-7-12 Toranomon, Minato-ku, Tokyo

105-8460, Japan

www.oki.com/printing/