



KONICA MINOLTA

The essentials of imaging

bizhub PRESS

C7000/C7000P/C6000

User's Guide Printer (IC-601)



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Introduction

1 Introduction

1.1 Welcome

Thank you for purchasing this machine.

This User's Guide describes the functions, operating instructions, precautions for correct operation, and simple troubleshooting guidelines of this machine. In order to obtain maximum performance from this product and use it effectively, please read this User's Guide as necessary.

1.1.1 Composition of User's Guide

Printed manual	Overview
[Operation Quick Guide]	This guide mainly describes how to use frequently used functions. Please refer to this guide for quick comprehension of various features available on the machine.
[Safety Information]	This guide describes trademarks, licenses and copyrights concerning this machine. It also provides precautions and requests that should be followed to ensure safe usage of this machine. Please be sure to read this guide before using the machine.
User's guide CD manuals	Overview
[User's Guide - Copier]	This guide describes an outline of the machine and copy operations. <ul style="list-style-type: none"> • Configuration and specifications of the main body and options • Turning on/off the machine • Paper information • Making a basic copy and setting procedures • Supplies, disposals, and handling of output paper • Quality adjustments • Applications, output settings, and job list • Troubleshooting
[User's Guide - POD Administrator's Reference]	This guide provides you with detailed information on machine management and how to customize the machine according to your daily use. <ul style="list-style-type: none"> • Both Sides Adjustment, Curl Adjustment • Controller settings • Adjustment, Utility Menu Screen • Network settings, PageScope Web Connection • Web Utilities
[User's Guide - Printer (IC-601)]	This guide describes the setting of the printer driver and utility tool. <ul style="list-style-type: none"> • Adobe PS driver • PostScript3 Plug-in driver • Web Connection
[User's Guide - ColorCentro (IC-601)]	This guide describes the management of color when using IC-601 image controller. <ul style="list-style-type: none"> • Calibration • Adjusting tone curve • Adjusting spot color • Setting alternative color • Managing profile • Setting color default • Managing color configuration

User's guide CD manuals	Overview
[User's Guide - Network Scanner (IC-306)]	This guide describes the operation of the IC-306 network scanner function equipped for the machine as standard. <ul style="list-style-type: none"> • Scan to E-Mail • Scan to HDD • Scan to FTP • Scan to SMB • Scan to Queue
[User's Guide - Network Scanner (IC-601)]	This guide describes the operation of the IC-601 network scanner function equipped for the machine as standard. <ul style="list-style-type: none"> • Scan to E-Mail • Scan to HDD • Scan to FTP • Scan to SMB
[User's Guide - Security]	This guide describes the security functions. Please refer to this guide for how to use the Enhanced Security mode, and for detailed machine operation in Enhanced Security mode.

1.1.2 User's Guide

This User's Guide is intended for users ranging from those using this machine for the first time to administrators.

It describes basic operations, functions that enable more convenient operations, maintenance procedures, simple troubleshooting operations, and various setting methods of this machine.

Note that basic technical knowledge about the product is required to enable users to perform maintenance work or troubleshooting operations. Limit your maintenance and troubleshooting operations to the areas explained in this manual.

Should you experience any problems, please contact our service representative.

1.2 Conventions used in this manual

1.2.1 Symbols used in this manual

Symbols are used in this manual to express various types of information.

The following describes each symbol related to correct and safe usage of this machine.

Safety Information

⚠ WARNING

- This symbol indicates that a failure to heed the instructions may lead to death or serious injury.

⚠ CAUTION

- This symbol indicates that negligence of the instructions may lead to mishandling that may cause injury or property damage.

NOTICE

This symbol indicates a risk that may result in damage to this machine or documents. Follow the instructions to avoid property damage.

Procedural instruction

- ✓ This check symbol indicates that it is a precondition for steps or information that you should be noted before performing the steps.

1 This format number "1" represents the first step.

2 This format number represents the order of serial steps.

- ➔ This symbol indicates a supplementary explanation of a procedural instruction.

The operation procedures are described using instruction.

- ➔ This symbol indicates transition of the control panel to access a desired menu item.



The relevant image is shown.



Reference

This symbol indicates a reference.

View the reference as required.

Key symbols

[]

Key names on the touch panel or computer screen, or a name of user's guide are indicated by these brackets.

Bold text

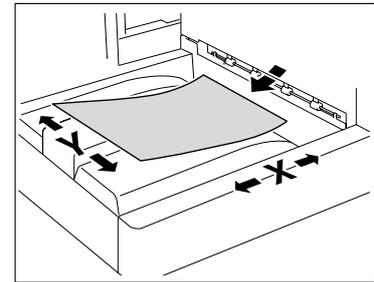
Key names on the control panel, part names, product names and option names are indicated in bold text.

1.2.2 Original and paper indications

Paper size

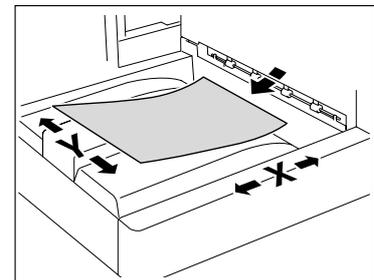
The following explains the indication for originals and paper described in this manual.

When indicating the original or paper size, the Y side represents the width and the X side the length.

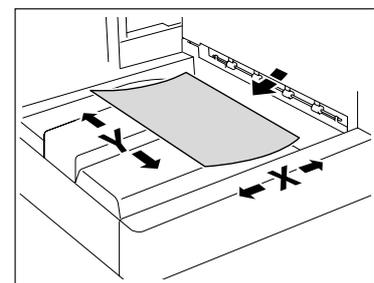


Paper indication

☐ indicates the paper size with the length (X) being longer than the width (Y).



☐ indicates the paper size with the length (X) being shorter than the width (Y).





2

Overview

2 Overview

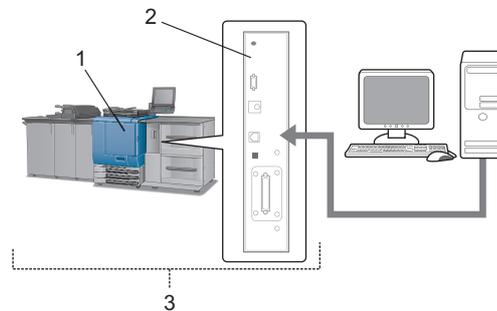
This chapter describes the overview and connection environment of the image controller that provides the printer function.

2.1 What is the image controller?

The image controller is a device that enables the printing and network printing functions on this machine.

2.1.1 Role of the image controller

Incorporating the image controller enables this machine to function as a printing system, allowing printing using applications on the computer connected to this machine. When using this machine as a network printer, you can print using applications on the computer.



1. The machine
2. Image controller
3. Printing system

The image controller provides the following functions.

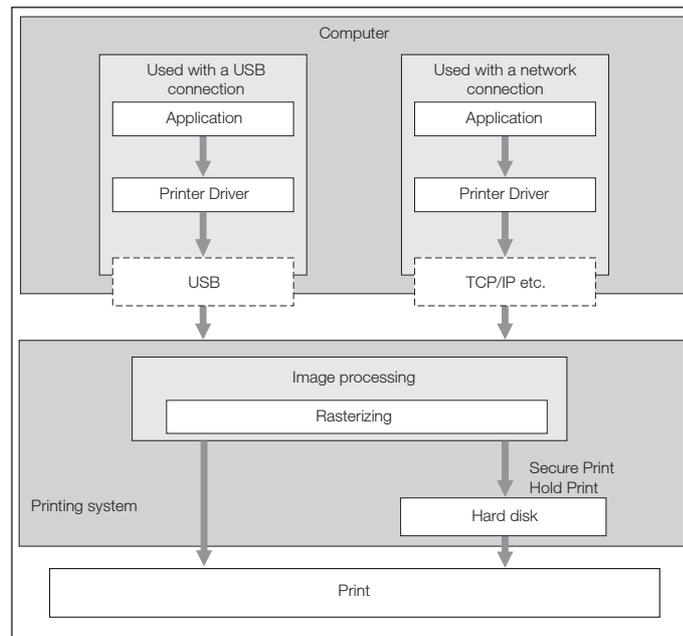
- Printing data sent from a printer driver on a computer
- Support of network protocols including TCP/IP (IPv4/IPv6), IPX/SPX, and AppleTalk
- Printing via a network using Web service (Windows Vista/Server 2008/7), SMB (Windows), LPR or IPP printing
- Configuring settings for this machine and the image controller from a client computer via the network (using a Web browser)
- Control of the number of pages to be printed (the User Authentication and Account Track functions)

2.1.2 Print flows

The following outlines the flow of operations for using this printing system as a printer.

Print data sent from an application is received by the printer driver.

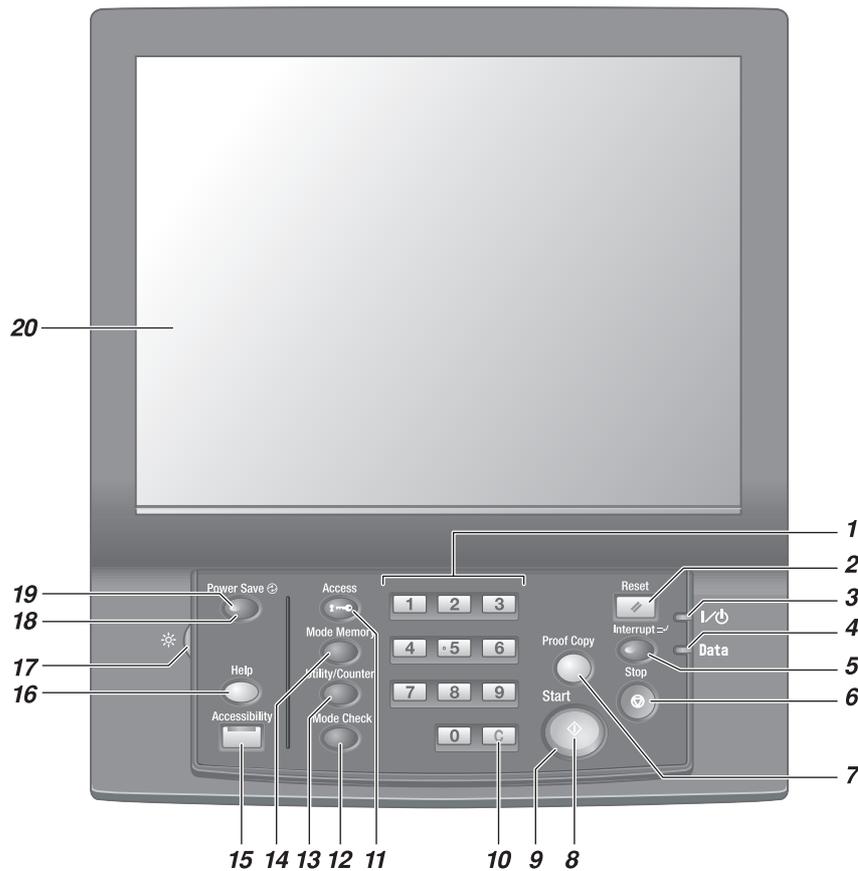
The data is sent to this machine via the USB interface for USB connection or via Ethernet (TCP/IP, etc.) for network connection. Then the data is passed from this machine to the image controller. The image controller rasterizes images (expands output target characters and images to bitmap data). This data is printed from this machine.



While this machine is operating as a printer, originals can be scanned using the copy function or network scan function. To use the copy function of this machine, press the [Copy] key on the touch panel.

When a print job is received during copying, the data is stored in the memory of this machine. When the copying is completed, the print job is automatically printed.

2.2 Control Panel Layout



No.	Item	Description
1	Keypad	Enters values for various settings, including print quantity and password.
2	Reset	Restores machine to the initial settings.
3	Power LED	Lights up in red when the main power switch is turned on, then turns green when the sub power switch is turned on.
4	Data LED	Flashes while receiving print data.
5	Interrupt	Stops copying/printing/scanning in progress to allow a simple copying job.
6	Stop	Ceases the machine operation; deletes the stored memory.
7	Proof Copy	Used to check the adjustments made on the Quality Adjustment Screen.
8	Start	Activates various machine operations.
9	Start LED	Lights in blue when machine operation is available. It turns orange if any operation cannot be started.
10	C (Clear)	Allows change in entered numeric value.
11	Access	Sets the machine to allow the operation only when a user/account name and password are entered, if user authentication or account track function is activated.
12	Mode Check	Used to check settings of the print job in progress or those currently made.

No.	Item	Description
13	Utility/Counter	Displays the Utility Menu Screen and various counters.
14	Mode Memory	Registers/Recalls the desired copy settings. Also recalls previous job settings.
15	Accessibility	Adjusts the response time in touch panel and control panel key operation.
16	Help	Displays the Help Screen that provides information on how to operate the screen currently displayed on the touch panel . Also provides information on various supplies and disposals when pressed with the Machine Screen displayed.
17	Brightness adjustment dial	Turned to adjust the brightness of the touch panel .
18	Power Save	Enables temporary use of the machine when the Power Save LED is lit. Also, activates power-saving mode when pressed while the machine is inactive.
19	Power Save LED	Lights when any power-saving mode is activated, or machine power is off due to the timer function.
20	Touch panel	Displays various screens to allow the function setting.

CAUTION

Do not press hard or pointed objects against the **touch panel** on the **control panel**.

- Otherwise, the glass may be scratched or break and you may be injured. Use fingers to operate the **touch panel**.

CAUTION

Stop the operation immediately when the Service Call Screen is displayed and copying cannot be continued any more.

- Otherwise, an unexpected trouble may be caused. Write down the report code as stated on the second line of the message, turn off the sub power switch and main power switch in this order, then disconnect from the power socket. Contact your service representative and inform them of the report code.

NOTICE

*Be sure not to turn off the **main power switch** in usual operation.*

*Be sure not to turn off the **main power switch** before turning off the **sub power switch**.*

*Be sure not to turn off the **main power switch** while the following messages are displayed after turning off the **sub power switch**.*

[Cooling in progress / Power will be off when completed]

[Power off in progress / Please do not turn the main power switch off]

*Turning off the **main power switch** with these messages displayed may cause serious machine trouble such as toner fixation.*



Reference

Refer to User's Guide (POD Administrator's Reference) for how to turn off the power.

2.3 Operating environment

This section describes the system requirements for using this printing system and the interfaces used for connection.

2.3.1 Supported computers and OSs

Make sure that the computer to be connected meets the following conditions.

Windows

Operating system	The supported OS varies depending on the type of printer driver. For details, refer to page 3-3.
CPU	Any processor of the same or higher specifications as recommended for your operating system
Memory	Memory capacity as recommended for your operating system Sufficient memory resource is required for your operating system and the applications to be used.
Drive	CD-ROM drive

Macintosh

Operating system	Mac OS X (10.4, 10.5, 10.6)
CPU	PowerPC, Intel Processor
Memory	Memory capacity as recommended for your operating system
Drive	CD-ROM drive

2.3.2 Interfaces used for connection

To connect this printing system to a computer, the following interfaces can be used.

Ethernet

Use this interface to use this printing system via a network connection.

It supports 1000Base-T, 100Base-TX, and 10Base-T standards. In addition, TCP/IP (LPD/LPR, IPP, SMB), Web services, IPX/SPX (NetWare), AppleTalk (EtherTalk) protocols are supported.

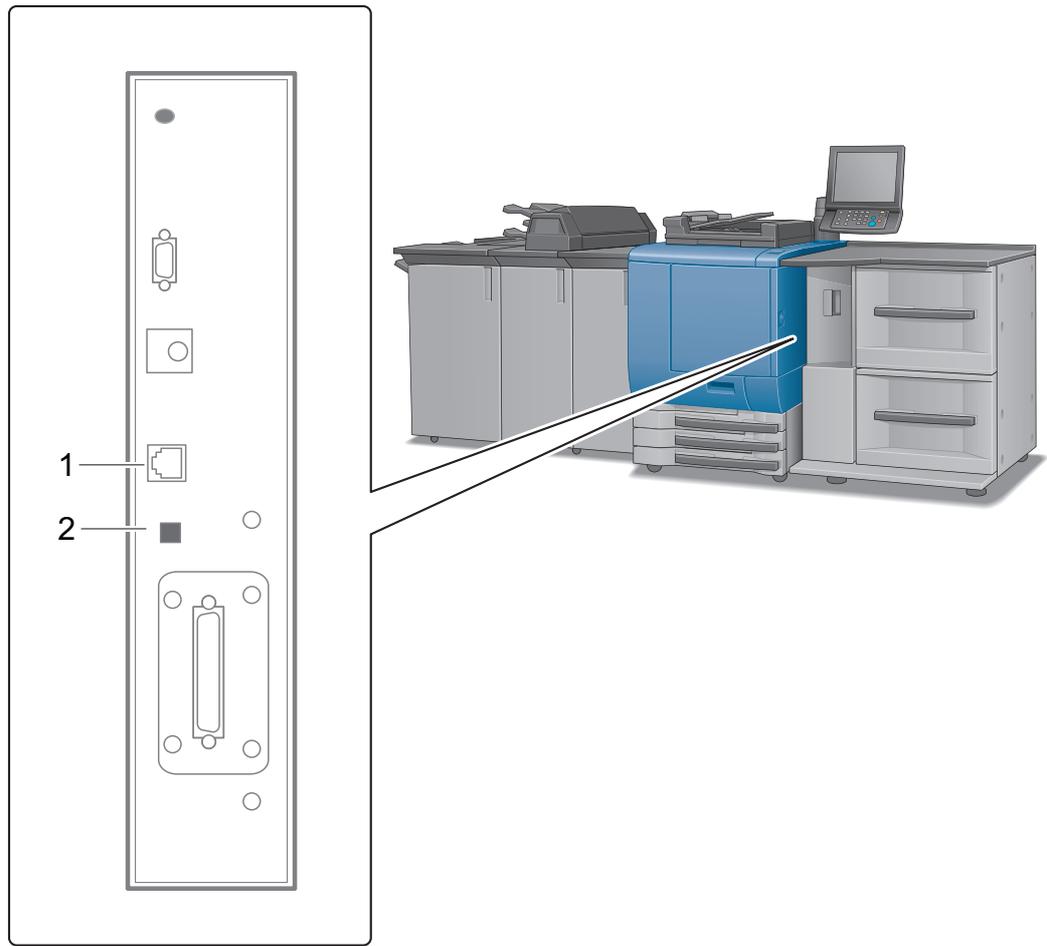
USB interface

Use this interface to use this printing system via a USB connection. The USB interface can be connected to a computer running Windows. A USB cable is required for connection. Use a type A (4 pin, male) or type B (4 pin, male) USB cable. A USB cable measuring three meters or less is recommended.

Connection diagram

The printer cables are connected to each port on this machine.

Back side of the machine



- 1. Ethernet port (1000Base-T/100Base-TX/10Base-T)
- 2. USB port

2.4 Setup procedure

To use this printing system, you must complete the setup in advance.

The setup refers to a series of procedures for connecting the machine to the computer and installing the printer driver to the computer.

Perform the setup using the following procedures.

2.4.1 For network connection

- 1 Connect this machine to the computer.
- 2 Check that the computer to be used is connected to the network.
- 3 Specify the IP address of this machine, and then connect it to the network.
- 4 Change the network settings for this machine according to the connection method or protocol.
 - LPR: In [LPD Setting], enable LPD printing.
 - Port9100: In [TCP/IP Settings], enable the RAW port number (initial setting: [9100]).
 - SMB: Configure settings of [Print Settings] in [SMB Settings].
 - IPP/IPPS: In [IPP Settings], enable IPP printing. To use IPPS printing, install the certificate in advance.
 - Web Service Print: In [Web Service Settings], enable the print function.
 - Bonjour: In [Bonjour Setting], enable Bonjour.
 - AppleTalk: In [AppleTalk Settings], enable AppleTalk.
- 5 Install the printer driver.
 - Specify the network port for the printer driver according to the connection method or protocol.
- 6 Install the screen fonts.
 - The CD-ROM contains the European TrueType fonts as "screen fonts". The "Screen Font" or "Screen Fonts" folder in the CD-ROM contains the screen fonts.
 - Install the screen fonts using the standard function for the OS of adding fonts. For details, refer to Help of the Operating System.
 - Macintosh fonts are compressed. Decompress them before installing.

Reference

- After installing the printer driver, perform test print to make sure that the connections are made properly.



Reference

For details on the connectable interfaces, refer to page 2-6.

For details on the network settings, refer to [User's Guide - POD Administrator's Reference].

The procedure for installing the printer driver varies depending on the connection method, operating system of the computer, and printer driver. For details, refer to page 3-2.

To update an existing printer driver, uninstall it first. For details, refer to page 8-2.

2.4.2 For local connection

- 1 Connect this machine to the computer.
- 2 Install the printer driver.
- 3 Install the screen fonts.
 - The CD-ROM contains the European TrueType fonts as "screen fonts". The "ScreenFont" or "Screen Fonts" folder in the CD-ROM contains the screen fonts.
 - Install the screen fonts using the standard function for the OS of adding fonts. For details, refer to Help of the Operating System.



Before installing the printer driver

3 Before installing the printer driver

The following describes the information necessary for selecting a printer driver.

3.1 Introduction

This chapter describes the information you should keep in mind before installing the printer driver.

The procedure for installing the printer driver varies depending on how this machine is connected to the computer, operating system installed on the computer, and type of the printer driver to be installed.

To determine the printer driver to be installed and connection method, check the operating system of the computer and connection environment.

Select the installation method according to the printer driver and connection method.

3.2 Printer drivers compatible with respective operating systems

Before using this printing system, you must install the printer driver.

The following lists the printer drivers included on the CD and the supported operating systems. Select the required printer driver.

Printer driver	Page description language	Supported Operating Systems
PS Plug-in Driver)	PostScript 3 Emulation	Windows 2000 Professional (Service Pack 4 or later) Windows 2000 Server (Service Pack 3 or later) Windows XP Home Edition (Service Pack 1 or later) Windows XP Professional (Service Pack 1 or later) Windows Server 2003, Standard Edition (Service Pack 1 or later) Windows Server 2003, Enterprise Edition (Service Pack 1 or later) Windows XP Professional x64 Edition Windows Server 2003, Standard x64 Edition Windows Server 2003, Enterprise x64 Edition Windows Vista Business * Windows Vista Enterprise * Windows Vista Home Basic * Windows Vista Home Premium * Windows Vista Ultimate * Windows Server 2008 Standard * Windows Server 2008 Enterprise * Windows 7 Home Basic Windows 7 Home Premium * Windows 7 Professional * Windows 7 Enterprise * Windows 7 Ultimate * * Supports 32-bit (x86)/64-bit (x64) environment.
		Mac OS X 10.4/10.5/10.6
PostScript PPD driver (PS-PPD)	PostScript 3 Emulation	Windows 2000 Professional (Service Pack 4 or later) Windows 2000 Server (Service Pack 3 or later) Windows XP Home Edition (Service Pack 1 or later) Windows XP Professional (Service Pack 1 or later) Windows Server 2003, Standard Edition (Service Pack 1 or later) Windows Server 2003, Enterprise Edition (Service Pack 1 or later) Windows XP Professional x64 Edition Windows Server 2003, Standard x64 Edition Windows Server 2003, Enterprise x64 Edition Windows Vista Business * Windows Vista Enterprise * Windows Vista Home Basic * Windows Vista Home Premium * Windows Vista Ultimate * Windows Server 2008 Standard * Windows Server 2008 Enterprise * Windows 7 Home Basic Windows 7 Home Premium * Windows 7 Professional * Windows 7 Enterprise * Windows 7 Ultimate * * Supports 32-bit (x86)/64-bit (x64) environment.

Reference

- Select the page description language according to the application used for printing.
- Either the installer or Add Printer Wizard can be used for installing the PS Plug-in driver for Windows.

3.3 Connection methods selectable in each operating system

The connection method for this machine varies depending on the operating system of the computer. The printer driver installation method also varies depending on the connection method. This machine can be connected via a network or a USB interface. In network connection, the printer driver installation method varies depending on the protocol to be used.

Network connection (Ethernet):

This machine is connected as a network printer.

This printing system supports 1000Base-T, 100Base-TX, and 10Base-T standards. In addition, TCP/IP (LPD/LPR, IPP, SMB), IPX/SPX (NetWare), AppleTalk (EtherTalk) protocols are supported.

The applicable protocols vary depending on the operating system of the computer.

USB interface:

This machine is connected as a local printer. The USB interface can be connected to a computer running Windows.

For USB connection, this manual covers only the plug and play based setup procedures.

3.3.1 Windows Vista/Server 2008/7

Setup procedures	Connection method		Reference page
Connection method in which installer-based setup is possible	Port 9100	A network connection using the PORT9100 print service. It uses a TCP/IP protocol and the RAW printing port.	p. 4-2 • Select a connection method during installation procedures. Select [Normal Printing] for the Port 9100 or USB connection method, or [Internet Printing] for the IPP connection method.
	IPP	A network connection using the IPP (Internet Printing Protocol) print service. Printing via the Internet is possible with the HTTP (HyperText Transfer Protocol) of the TCP/IP protocol.	
	USB	A connection using a USB port.	
Connection method in which setup is possible using Add Printer Wizard	LPR	A network connection using the LPR (Line Printer Remote) print service. It uses a TCP/IP protocol and the LPR printing port.	p. 5-2
	Port9100	A network connection using the PORT9100 print service. It uses a TCP/IP protocol and the RAW printing port.	
	SMB	A network connection using SMB (Server Message Block) for sharing files or printers in Windows. It supports the TCP/IP protocol.	
	IPP/IPPS	A network connection using the IPP (Internet Printing Protocol) print service. Printing via the Internet is possible with the HTTP (HyperText Transfer Protocol) of the TCP/IP protocol. IPPS is an IPP for SSL encrypted communication.	
	Web service print	It is a connection corresponding to Web Service function of Windows Vista/Server 2008/7 and capable of automatically detecting the printer on the network.	
	USB	A connection using a USB port.	
Connection method in which plug and play-based setup is possible	USB	A connection using a USB port.	p. 5-12

Reference

- Log on to the computer using a user name with the Administrator privilege, and then install the printer driver.

**Reference**

Before you can use this machine in the network environment, you must configure network settings for this machine. For details, refer to [User's Guide - POD Administrator's Reference].

You cannot set up IPPS connection (Secure Print) using the installer. To use IPPS connection, use the Add Printer Wizard. For details, refer to page 5-7.

3.3.2 Windows 2000/XP/Server 2003

Setup procedures	Connection method		Reference page
Connection method in which installer-based setup is possible	Port9100	A network connection using the PORT9100 print service. It uses a TCP/IP protocol and the RAW printing port.	p. 4-2 • Select a connection method during installation procedures. Select [Normal Printing] for the Port9100 or USB connection method, [Internet Printing] for the IPP connection method, or [Secure Printing] for the IPPS connection method.
	IPP/IPPS	A network connection using the IPP (Internet Printing Protocol) print service. Printing via the Internet is possible with the HTTP (HyperText Transfer Protocol) of the TCP/IP protocol. IPPS is an IPP for SSL encrypted communication.	
	USB	A connection using a USB port.	
Connection method in which setup is possible using Add Printer Wizard	LPR	A network connection using the LPR (Line Printer Remote) print service. It uses a TCP/IP protocol and the LPR printing port.	Windows XP/ Server 2003: p. 5-15 Windows 2000:p. 5-22
	Port9100	A network connection using the PORT9100 print service. It uses a TCP/IP protocol and the RAW printing port.	
	SMB	A network connection using SMB (Server Message Block) for sharing files or printers in Windows. It supports the TCP/IP protocol.	
	IPP/IPPS	A network connection using the IPP (Internet Printing Protocol) print service. Printing via the Internet is possible with the HTTP (HyperText Transfer Protocol) of the TCP/IP protocol. IPPS is an IPP for SSL encrypted communication.	
	USB	A connection using a USB port.	
Connection method in which plug and play-based setup is possible	USB	A connection using a USB port.	Windows XP/ Server 2003: p. 5-21 Windows 2000:p. 5-26

Reference

- Log on to the computer using a user name with the Administrator privilege, and then install the printer driver.
- The installer does not support installation in the IPv6 environment of Windows XP/Server 2003.

**Reference**

Before you can use this machine in the network environment, you must configure network settings for this machine. For details, refer to [User's Guide - POD Administrator's Reference].

3.3.3 Mac OS X 10.4/10.5/10.6

Setup procedures	Connection method		Reference page
Connection method in which setup is possible	Bonjour	A network connection using Bonjour.	p. 6-2 <ul style="list-style-type: none"> Install your desired driver using the installer and specify the connection method when selecting the printer.
	AppleTalk	A network connection using AppleTalk.	
	LPR	A network connection using the LPR print service.	
	IPP	A network connection using the IPP print service.	

Reference

- AppleTalk connection supports Mac OS X 10.4/10.5 only.



Reference

Before you can use this machine in the network environment, you must configure network settings for this machine. For details, refer to [User's Guide - POD Administrator's Reference].

3.3.4 NetWare

NetWare version	Protocol used	Connection method
NetWare 4.x	IPX	Bindery Pserver Nprinter/Rprinter
NetWare 5.x	IPX	NDS Pserver Nprinter/Rprinter
	TCP/IP	NDPS
NetWare 6.x	IPX	NDS Pserver
	TCP/IP	NDPS



Reference

For details on the NetWare functions, refer to the NetWare operation manual.

To use the machine in the NetWare environment, you must configure the network settings for the machine in advance. For details, refer to [User's Guide - POD Administrator's Reference].

4

Installing the Windows printer driver

4 Installing the Windows printer driver

This chapter describes the procedure for installing the Windows printer driver using the installer.

4.1 About installer

The installer automatically detects the printer on the same TCP/IP network as your computer or the machine connected via USB to your computer, and allows you to install the required printer driver. You can also install the printer driver by manually specifying the connection destination.

NOTICE

The installer only installs the PS Plug-in printer.

4.1.1 Operating environment of the installer

Operating system	Windows 2000 Professional (Service Pack 4 or later) Windows 2000 Server (Service Pack 3 or later) Windows XP Home Edition (Service Pack 2 or later) ^{*1} Windows XP Professional (Service Pack 2 or later) ^{*1} Windows Server 2003, Standard Edition (Service Pack 1 or later) Windows Server 2003, Enterprise Edition (Service Pack 1 or later) Windows XP Professional x64 Edition Windows Server 2003, Standard x64 Edition Windows Server 2003, Enterprise x64 Edition Windows Vista Business ^{*2} Windows Vista Enterprise ^{*2} Windows Vista Home Basic ^{*2} Windows Vista Home Premium ^{*2} Windows Vista Ultimate ^{*2} Windows Server 2008 Standard ^{*2} Windows Server 2008 Enterprise ^{*2} Windows 7 Home Basic Windows 7 Home Premium ^{*2} Windows 7 Professional ^{*2} Windows 7 Enterprise ^{*2} Windows 7 Ultimate ^{*2} ^{*1} The operating environment required for the printer driver is service pack 1 or later. ^{*2} Supports 32-bit (x86)/64-bit (x64) environment.
CPU	Any processor of the same or higher specifications as recommended for your operating system
Memory	Memory capacity as recommended for your operating system Sufficient memory resource is required for your operating system and the applications to be used.

Reference

- Installing the driver to Windows 2000/XP/Server 2003/Vista/Server 2008/7-based computers requires the administrator authority.
- If a wizard window for adding new hardware opens when using USB connection, click [Cancel].
- The installer supports installation in both IPv4/IPv6 environments of Windows Vista/Server 2008/7 only. Note that it does not support [Secure Printing] (IPPS) in Windows Vista/Server 2008/7 and [Internet Printing] (IPP) in the IPv6 environment.

4.2 Easy installation procedure using the installer

4.2.1 Settings for the machine

Before you can use this machine through the network connection, you must configure the network settings for this machine.



Reference

You can set the network settings for this machine in the screen that is displayed by selecting [Utility/Counter] - [Administrator Setting] - [Controller] - [Controller NIC Setting Menu].

For details, refer to [User's Guide - POD Administrator's Reference].



TCP/IP settings for the machine

In [TCP/IP Settings] of this machine, specify the IP address.



Reference

When this machine is connected through the network, you must previously specify the IP address on this machine so that it can be detected automatically. For details, refer to [User's Guide - POD Administrator's Reference].

RAW port number/IPP setting for the machine

Change the network settings for this machine according to the connection method or protocol.

- Port9100: In [TCP/IP Settings], enable the RAW port number (initial setting: [9100]).
- IPP/IPPS: In [HTTP Server Setting], enable IPP printing.



Reference

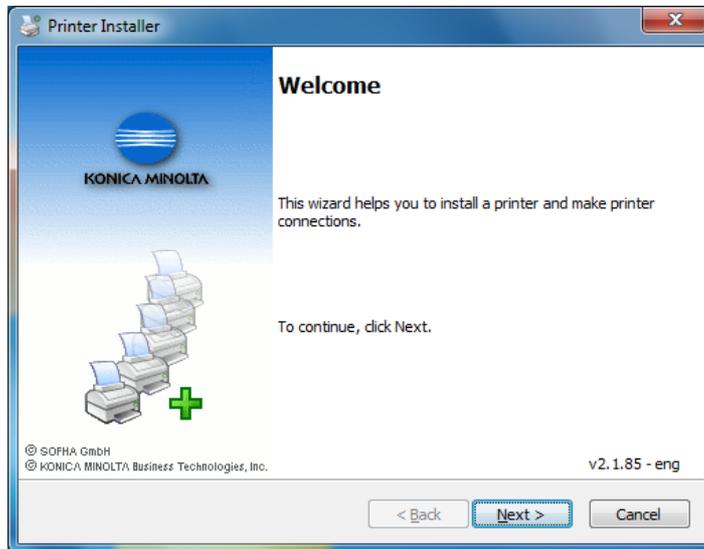
For details on TCP/IP setting and IPP setting for this machine, refer to [User's Guide - POD Administrator's Reference].

Before you can use IPPS printing, you must register a certificate with this machine. You can use the self-signed certificate that is preinstalled in this machine. For details, refer to [User's Guide - POD Administrator's Reference].

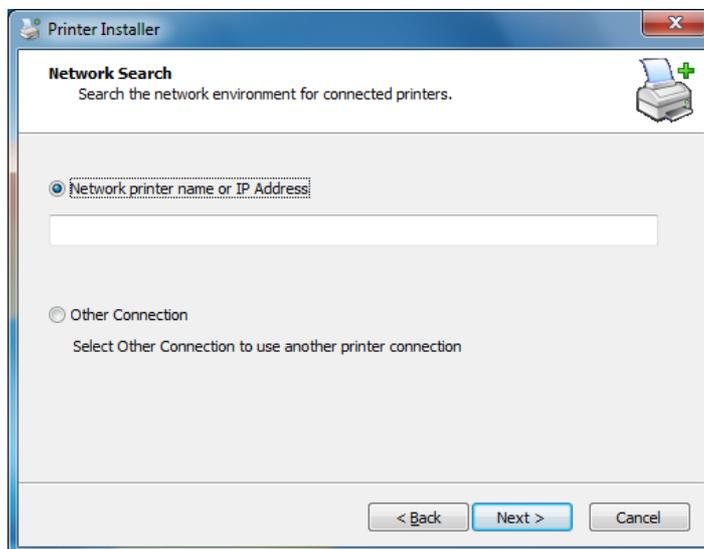
4.2.2 Installing the printer driver (PS Plug-in driver)

- 1 Insert the Driver CD-ROM into the CD-ROM drive.
 - Make sure that the installer starts, and then go to Step 2.

- If the installer does not start, open the printer driver folder on the CD-ROM, double-click [PrinterInstaller.exe], and then go to Step 2.
- 2 Select [Printer Install] and then [PS Plugin Driver].
- 3 Select [EN].
 - When installing the driver on a Windows Vista/Server 2008/7-based computer, click [Allow] or [Continue] if the [User Account Control] window appears.
- 4 Click [Next].

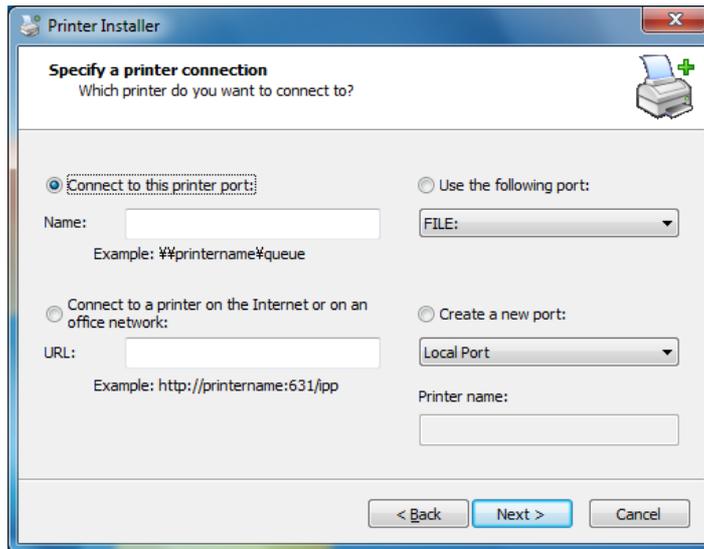


- 5 Input the printer name or IP address and press [Next].
 - If you want to connect to the other printer, select [Other Connection] and click [Next].



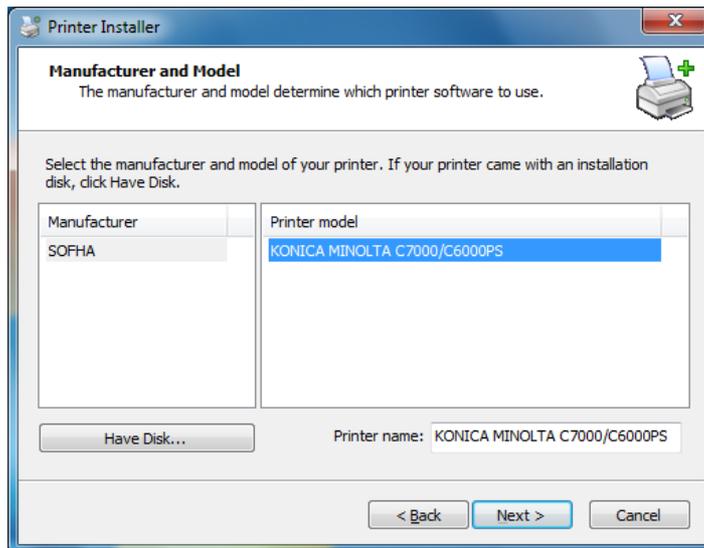
- [Network printer name or IP address]:
The copier is set as a Windows printer.
The printer is created with the lpr port used. (E.g.: myprinter:print.)
- [Other Connection]:
You can specify the other printer connection (NetBIOS or port9100).

- 6 Selecting [Other Connection], specify the printer connection and click [Next].



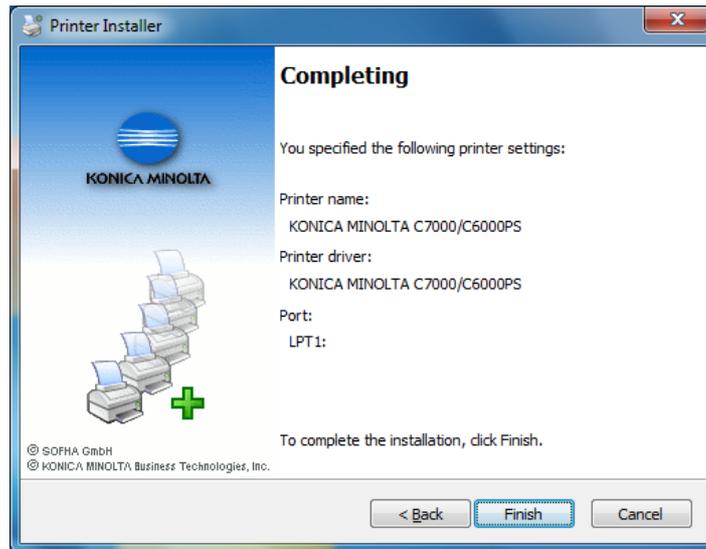
→ If you use DNS in the network, the administrator has to check whether the network name specified to bizhub PRESS C7000/C6000 is matched with the network name stored in the DNS.

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



→ It displays all printers that you can install. If there is no desired printer name, click [Have Disk] and select the [Setup.inf] file.

- 8 Click [Finish].



The installation is complete.

→ Once the printer is installed, you can select the printer in the application's print screen.



Manual Installation Using the Add Printer Wizard

5 Manual Installation Using the Add Printer Wizard

This chapter describes the procedure for installing the Windows printer driver using the standard Windows Add Printer function, without using the installer.

5.1 Windows Vista/Server 2008/7

5.1.1 For network connection (LPR/Port 9100/SMB)

In Windows Vista/Server 2008/7, you can install the printer driver either by searching for the printer on the network, or by creating a new printer port.

Settings for the machine

Before using Port 9100, LPR, or SMB printing, you must configure the network settings for the machine.

Items to be configured	Description
IP Address	In [TCP/IP Settings] of this machine, specify the IP address.
RAW port number	To use Port 9100 printing: In [TCP/IP Settings] for the machine, enable the RAW port number (initial setting: [9100]).
LPD Setting	To use LPR printing: In [LPD Setting] for the machine, enable LPD printing.
SMB Setting	To use SMB printing: At [Print Settings] in [SMB Settings] for the machine, specify NetBIOS Name, Print Service Name, and Workgroup.



Reference

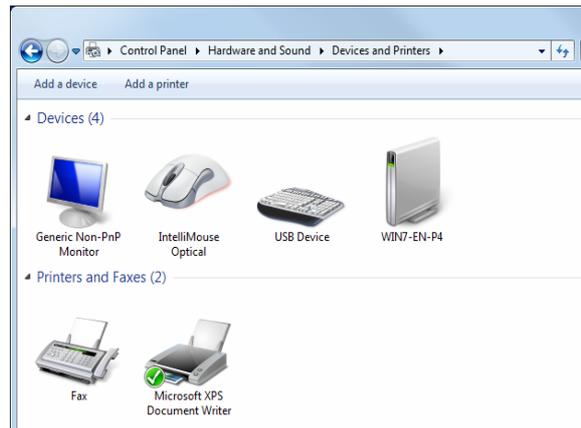
For details on the network settings for this machine, refer to [User's Guide - POD Administrator's Reference].

To use SMB printing in the IPv6 environment, [Direct Hosting Setting] for the machine must be enabled. For details, refer to [User's Guide - POD Administrator's Reference].

Installing the printer driver by searching for the printer using the Add Printer Wizard.

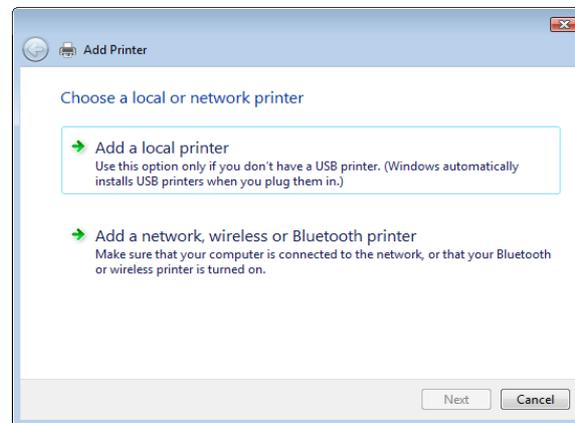
- ✓ Installing the driver to Windows Vista/Server 2008/7-based computers requires the administrator authority.
 - ✓ Since the printer is searched for during the installation, be sure to connect this machine to the network before turning it on.
- 1 Insert the Driver CD-ROM into the CD-ROM drive.
 - 2 Click [Start] and then [Devices and Printers].
 - In Windows Vista/Server 2008, click [Printers] under [Control Panel] - [Hardware and Sound]. When [Control Panel] is displayed in Classic View, double-click [Printers].

- 3 On the toolbar, select [Add a printer].



→ In Windows Vista/Server 2008, click [Add a printer] on the toolbar. The [Add Printer] Wizard appears.

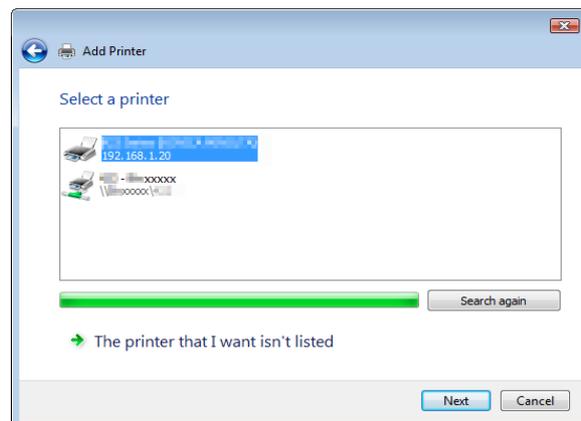
- 4 Click [Add a network, wireless or Bluetooth printer].



Connected printers are detected.

→ If no printer is detected, turn this machine off, then on again. In this case, turn off the printer, and then wait approximately 10 seconds before turning it on again. If you turn this machine on immediately after turning it off, it may not function correctly.

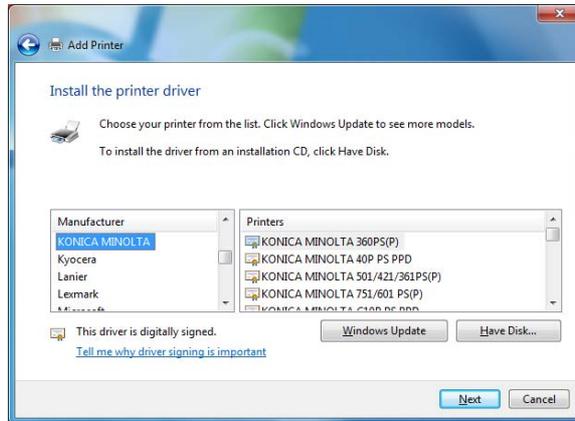
- 5 Select this machine from the list, and then click [Next].



→ To use the LPR/Port9100 protocol, select the printer with its IP address.
 → To use the SMB connection, select the printer with its "\\NetBIOS name\print service name". You can check the NetBIOS name and print service name by selecting [Administrator Setting] - [Controller] - [Controller NIC Setting Menu] - [SMB Setting] - [Print Setting]. In the default setting, the last six characters of the NetBIOS name correspond to the low-order three bytes of the MAC address. To check the MAC address, select [Configuration Page]. For details on how to output [Configuration Page], refer to page 13-3.

- For the SMB connection, click [Next], and then click [OK] in the [Connect to Printer] page that appears.
- It may take some time to finish searching the entire list of printers.

6 Click [Have Disk...].



7 Click [Browse...].

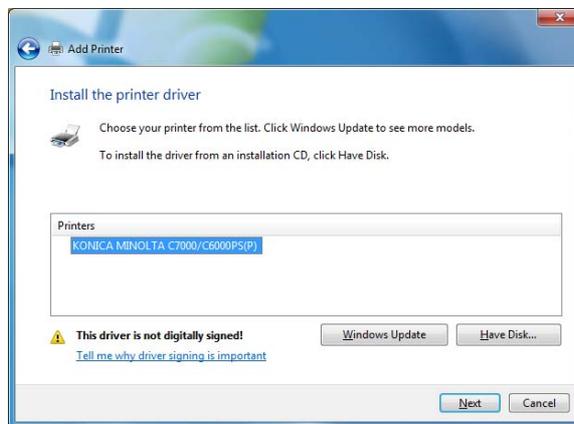
8 Select a desired printer driver folder in the CD-ROM, and then click [Open].

- Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers: PS Plug-in driver, PPD driver

9 Click [OK].

The [Printers] list appears.

10 Click [Next].



- To use the SMB connection, click [OK].



11 Follow the instructions on the pages that follow.

- If the [User Account Control] window appears, click [Continue] or [Yes].

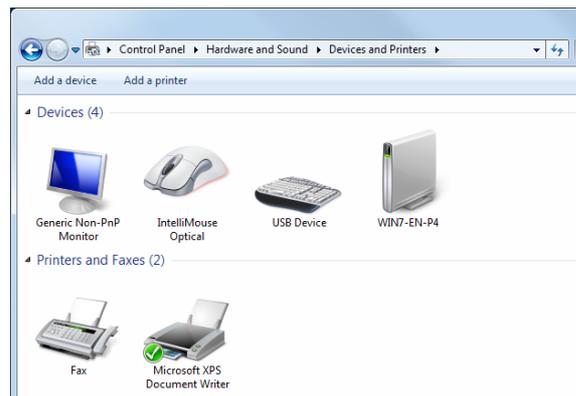
→ If the [Windows Security] window for verifying the publisher appears, click [Install this driver software anyway].

- 12 Click [Finish].
- 13 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Devices and Printers] or [Printers] window.
- 14 Remove the CD-ROM from the CD-ROM drive.
This completes the printer driver installation.

Installing the printer driver by creating a printer port

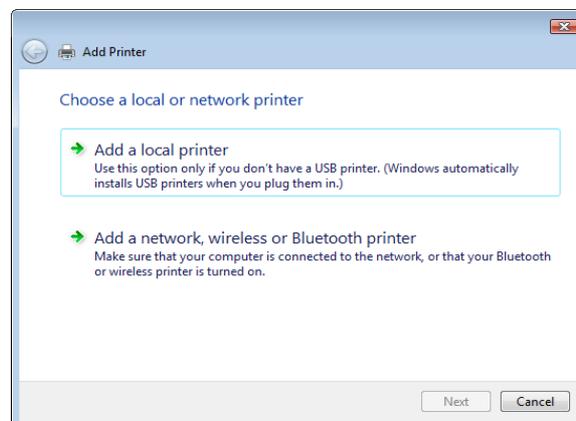
- ✓ Installing the driver to Windows Vista/Server 2008/7-based computers requires the administrator authority.
- ✓ Since the printer is searched for during the installation, be sure to connect this machine to the network before turning it on.

- 1 Insert the Driver CD-ROM into the CD-ROM drive.
- 2 Click [Start] and then [Devices and Printers].
→ In Windows Vista/Server 2008, click [Printers] under [Control Panel] - [Hardware and Sound]. When [Control Panel] is displayed in Classic View, double-click [Printers].
- 3 On the toolbar, select [Add a printer].



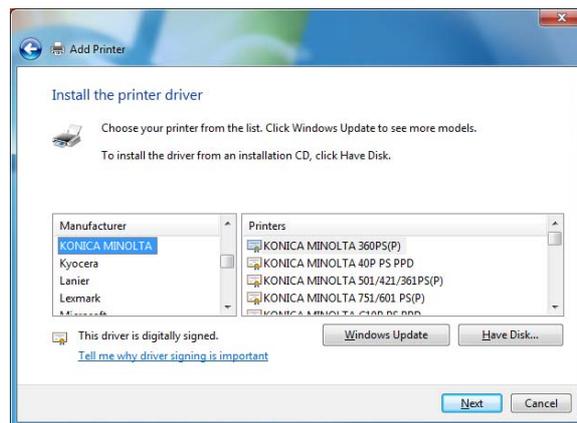
→ In Windows Vista/Server 2008, click [Add a printer] on the toolbar. [Add Printer Wizard] appears.

- 4 Click [Add a local printer].



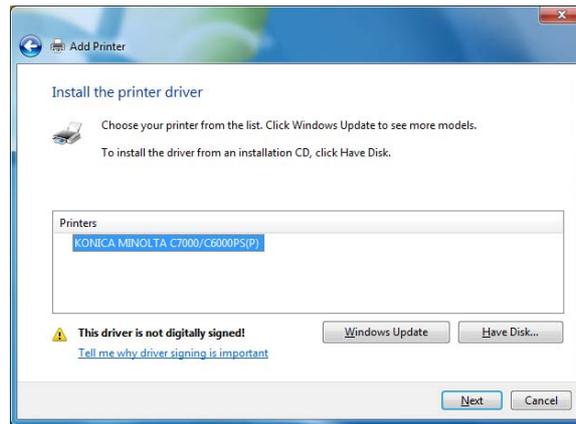
- 5 Click [Create a new port:], and then select the port type.
 - To use the LPR/Port9100 protocol, select [Standard TCP/IP Port].
 - To use the SMB connection, select [Local Port].

- 6 Click [Next].
- 7 Specify the IP address and port.
 - To use the LPR/Port9100 protocol, select [TCP/IP Device], and then enter the IP address.
 - To use the SMB connection, enter "\\NetBIOS name\print service name" in the [Port Name] box.
 - Enter the same NetBIOS name and print service name specified in [Print Settings] in [SMB Settings].
- 8 Click [Next].
 - If [Additional Port Information Required] or [More Port Information Required] dialog box appears, go to Step 10.
 - If the [Install the printer driver] dialog box appears, go to Step 13.
- 9 Select [Custom], and then click [Settings...].
- 10 Change the settings according to the port, and then click [OK].
 - For LPR connection, select [LPR], and then enter "Print" in the [Queue Name:] box.
 - You must discriminate between upper and lower case letters when entering it.
 - For Port9100, select [Raw], and then enter a RAW port number (initial setting: [9100]) in the [Port Number:] box.
 - If both LPR and Port 9100 are enabled on this machine, the printer driver is connected to this machine using LPR.
- 11 Click [Next].
The [Install the printer driver] page appears.
- 12 Click [Have Disk...].



- 13 Click [Browse...].
- 14 Select a desired printer driver folder in the CD-ROM, and then click [Open].
 - Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers:
PS Plug-in driver, PPD driver
- 15 Click [OK].

16 Click [Next].



17 Follow the instructions on the pages that follow.

- If the [User Account Control] window appears, click [Continue] or [Yes].
- If the [Windows Security] window for verifying the publisher appears, click [Install this driver software anyway].

18 Click [Finish].

19 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Devices and Printers] or [Printers] window.

20 Remove the CD-ROM from the CD-ROM drive.
This completes the printer driver installation.

5.1.2 For network connection (IPP/IPPS)

Settings for the machine

To use IPP printing, you must configure the network settings for the machine in advance.

Items to be configured	Description
IP Address	In [TCP/IP Settings] of this machine, specify the IP address.
IPP Setting	In [HTTP Server Setting] for the machine, enable IPP printing.



Reference

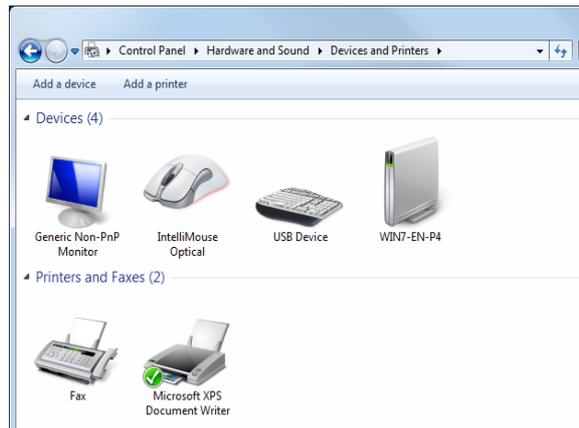
For details on the network settings for this machine, refer to [User's Guide - POD Administrator's Reference].

Before you can use IPPS printing, you must register a certificate with this machine. You can use the self-signed certificate that is preinstalled in this machine. For details, refer to [User's Guide - POD Administrator's Reference].

Installing the printer driver using the Add Printer Wizard

- ✓ Installing the driver to Windows Vista/Server 2008/7-based computers requires the administrator authority.
- 1 Insert the Driver CD-ROM into the CD-ROM drive.
 - 2 Click [Start] and then [Devices and Printers].
 - In Windows Vista/Server 2008, click [Printers] under [Control Panel] - [Hardware and Sound]. When [Control Panel] is displayed in Classic View, double-click [Printers].

- 3 On the toolbar, select [Add a printer].



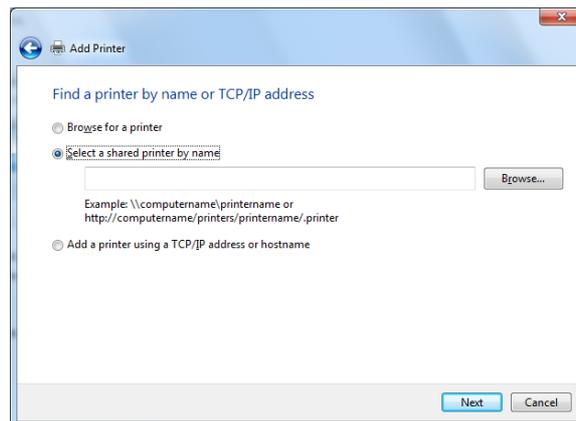
→ In Windows Vista/Server 2008, click [Add a printer] on the toolbar. The [Add Printer] Wizard appears.

- 4 Click [Add a network, wireless or Bluetooth printer].

Connected printers are detected.

- 5 In the window showing the search result, click [The printer that I want isn't listed].

- 6 In the [Select a shared printer by name] box, enter the URL for the machine in the following format, and then click [Next].



→ `http://<IP address for the machine>/ipp`

Example: When the IP address for the machine is 192.168.1.20, `http://192.168.1.20/ipp`

→ When specifying to use IPPS printing, enter "`https://<host name>.<domain name>/ipp`". <Host name>. For <domain name>, specify the host name and domain name registered for the DNS server being used.

→ If the certificate for the machine is not the one issued by the certifying authority, you must register the certificate for the machine on the Windows Vista/Server 2008/7 system as the certificate by "Trusted Root Certification Authorities" for the computer account.

→ When registering a certificate to the machine, confirm that <host name>.<domain name> is displayed as the common name of the certificate.

- 7 Click [Have Disk...].

- 8 Click [Browse...].

- 9 Select a desired printer driver folder in the CD-ROM, and then click [Open].

→ Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers:
PS Plug-in driver, PPD driver

- 10 Click [OK].

- 11 Click [OK].
- 12 Follow the instructions on the pages that follow.
 - If the [User Account Control] window appears, click [Continue] or [Yes].
 - If the [Windows Security] window for verifying the publisher appears, click [Install this driver software anyway].
- 13 Click [Finish].
- 14 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Devices and Printers] or [Printers] window.
- 15 Remove the CD-ROM from the CD-ROM drive.

This completes the printer driver installation.

Once the settings for the printer have been configured, you can use the printer in the same way as a general local printer.

5.1.3 For network connection (Web service print)

In Windows Vista/Server 2008/7, printers supporting the Web service print function on the network can be located and installed.



Reference

To install a different printer driver in the computer where one has already been installed, you must uninstall the whole package of the currently installed printer driver. For details, refer to page 8-2.

Settings for the machine

To use the Web service print, you must configure the network settings for the machine in advance.

Items to be configured	Description
IP Address	In [TCP/IP Settings] of this machine, specify the IP address.
Web Service Settings	In [Web Service Settings] for the machine, enable the print function.



Reference

For details on the network settings for this machine, refer to [User's Guide - POD Administrator's Reference].

Making the printer driver known from the Network window

To use Web service print in Windows Vista/Server 2008/7, install the printer driver before making it known to the computer with plug and play.

- ✓ Installing the driver to Windows Vista/Server 2008/7-based computers requires the administrator authority.
- 1 Install the printer driver.
 - Install the printer driver using the installer or Add Printer Wizard.
The printer driver can be installed in any port.
For details, refer to page 4-3 or page 5-2.
 - 2 Turn on the power of the machine while it is connected to the network.
Since the printer is searched for, be sure to connect the machine to the network.
 - 3 To use the Web service print, check that [Network discovery] is enabled in [Network and Sharing Center] - [Change advanced sharing settings] on the computer.
 - 4 Open the [Network] window.
 - In Windows Vista/Server 2008, click [Start], and [Network].

- In Windows 7, open [Computer] and click [Network].
If [Network] is not displayed in [Computer], click the [Network and Internet] category on the [control panel], and also click [View network computers and devices].
Connected computers and devices are detected.

5 Right click the device name and select [Install].

- To check the device name, select [Controller NIC Setting Menu] - [Web Service Settings] - [Printer Settings] in [Administrator Settings] of this machine. In the default setting, the last six characters of [printer name] correspond to the low-order three bytes of the MAC address.
To check the MAC address, select [Configuration Page]. For details on how to output [Configuration Page], refer to page 13-3.

The printer driver for this machine is detected and the machine is ready to print.

6 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Devices and Printers] or [Printers] window.

Reference

- If the printer driver is not correctly installed, the driver must be updated using [Update Driver ...]. For details, refer to page 5-14.
- In Windows Vista/Server 2008, you can continue the task and specify the printer driver installation disk to install the printer driver if it is not installed in advance. When the [Found New Hardware] window appears, follow the displayed messages to perform the procedure. For details, refer to Steps 11 through 20 in the succeeding section.
- In Windows 7, you cannot specify the installation disk after the machine is connected to the computer. Install the printer driver in advance (Step 1).

Installing the printer driver by specifying the IP address using the Add Printer Wizard

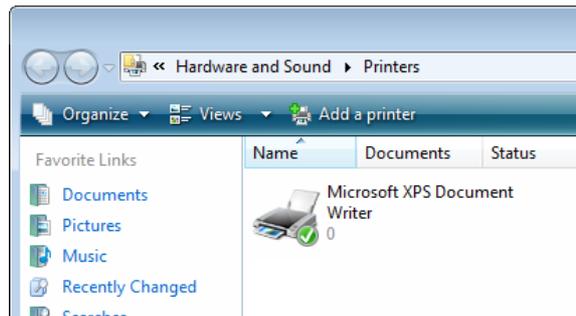
In Windows Vista/Server 2008, you can add a Web service device using the addition function of the printer after connecting this machine.

Reference

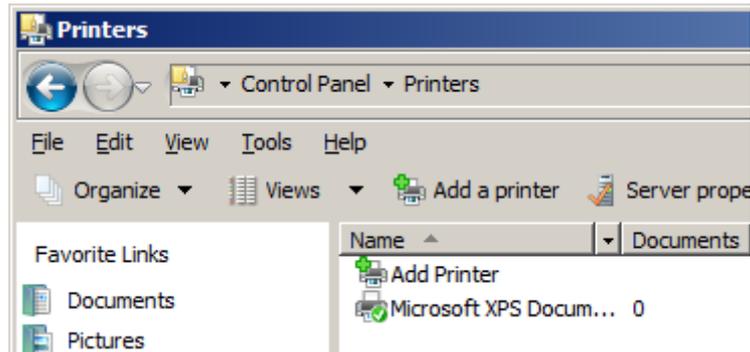
- In Windows 7, a window for specifying an installation disk does not appear after the machine is connected to the computer. Install the printer driver in advance and connect the driver as described in "Making the printer driver known from the Network window".
- ✓ Installing the driver to Windows Vista/Server 2008-based computers requires the administrator authority.

- 1** Turn on the power of the machine while it is connected to the network.
Since the printer is searched for during the installation, be sure to connect the machine to the network.
- 2** To use the Web service print, check that [Network discovery] is enabled in [Network and Sharing Center] on the computer.
- 3** Insert the Driver CD-ROM into the CD-ROM drive.
- 4** Click [Start], and then select [Control Panel].
→ In Windows Vista/Server 2008, click [Printers] under [Control Panel] - [Hardware and Sound]. When [Control Panel] is displayed in Classic View, double-click [Printers].
- 5** Click [Printers] under [Hardware and Sound].
→ When [Control Panel] is displayed in Classic View, double-click [Printers].
- 6** Click [Add a printer] on the toolbar.

→ In Windows Vista:

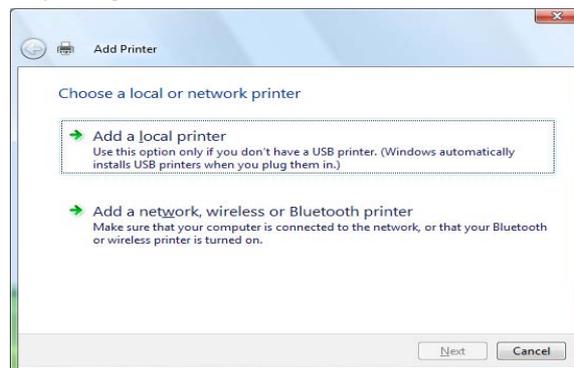


→ In Windows Server 2008:



[Add Printer Wizard] appears.

7 Click [Add a local printer].

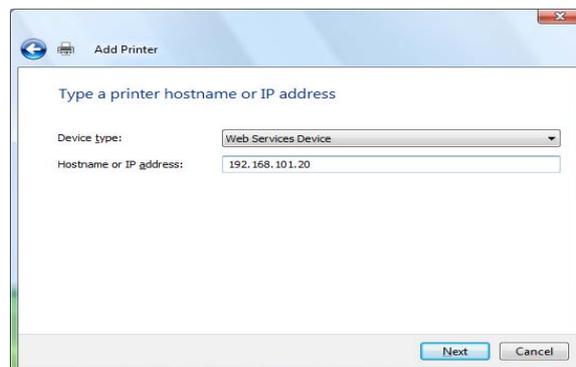


8 Click [Create a new port:], and then select the port type.

→ Select [Standard TCP/IP Port].

9 Click [Next].

10 Select [Web Services Device], enter the IP address, and click [Next].



A printer of the entered IP address that is compatible with the Web service print function is located, and then the [Found New Hardware] dialog box appears.

- 11 Click [Locate and install driver software (recommended)].
- 12 If a dialog box to confirm whether to search online appears, click [Don't search online].
- 13 Click [Browse my computer for driver software (advanced)].
- 14 Click [Browse...].
- 15 Select a desired printer driver folder in the CD-ROM, and then click [Open].
 - Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers:
PS Plug-in driver, PPD driver
- 16 Click [Next].
- 17 Follow the instructions on the pages that follow.
 - If the [User Account Control] window appears, click [Continue].
 - If the [Windows Security] window for verifying the publisher appears, click [Install this driver software anyway].
- 18 Click [Close].
- 19 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Printers] window.
- 20 Remove the CD-ROM from the CD-ROM drive.

This completes the printer driver installation.

5.1.4 For local connection

Making the installed printer driver known to the computer

To connect this machine using the USB port in Windows Vista/Server 2008/7, install the printer driver before making it known to the computer with plug and play.

- 1 Install the printer driver.
 - Install the printer driver using the installer or Add Printer Wizard.
To use the Add Printer Wizard, select the USB port to be connected in the [Choose a printer port] page.
For details, refer to page 4-3 or page 5-5.
- 2 Connect this machine to the computer using a USB cable.
- 3 Turn on the main power of this machine.

The printer driver for this machine is detected and the machine is ready to print.

 - If no printer driver is detected, turn this machine off, then on again. In this case, turn off this machine, and then wait approximately 10 seconds before turning it on again. If you turn this machine on immediately after turning it off, it may not function correctly.
- 4 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Devices and Printers] or [Printers] window.

Reference

- If the printer driver is not correctly installed, the driver must be updated using [Update Driver ...]. For details, refer to page 5-14.

Installing the printer driver when connecting the machine

In Windows Vista/Server 2008, the printer driver can be installed after you connect this machine.

Reference

- In Windows 7, a window for specifying an installation disk does not appear after the machine is connected to the computer. Install the printer driver in advance and connect the driver as described in "Making the installed printer driver known to the computer".

1 Connect this machine to the computer using a USB cable, and then start the computer.

NOTICE

When starting up the computer, do not plug in or unplug the cable.

2 Turn on the main power of this machine.

The [Found New Hardware] dialog box appears.

- If the [Found New Hardware] dialog box does not appear, turn this machine off, then on again. In this case, turn off this machine, and then wait approximately 10 seconds before turning it on again. If you turn this machine on immediately after turning it off, it may not function correctly.

3 Click [Locate and install driver software (recommended)].

The dialog box requesting the disk (CD-ROM) appears.

- If you do not have the disk (CD-ROM), click [I don't have the disc, show me other options]. On the next page, select [Browse my computer for driver software (advanced)], and then specify a desired printer driver folder.
- Select a folder according to the printer driver, operating system, and language to be used.

4 Insert the Driver CD-ROM into the CD-ROM drive.

The information on the disk is searched for, and then the list of the software supported by this machine appears.

5 Select a desired printer driver name, and then click [Next].

- Available printer drivers:
PS Plug-in driver, PPD driver

6 Follow the instructions on the pages that follow.

- If the [User Account Control] window appears, click [Continue].

7 When the installation completes, click [Close].

8 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Printers] window.

- If the [Windows Security] window for verifying the publisher appears, click [Install this driver software anyway].

9 Remove the CD-ROM from the CD-ROM drive.

This completes the printer driver installation.

Updating the driver after connecting this machine

In Windows 7, if this machine is connected without first installing the printer driver, the printer driver will not be correctly identified. In this case, the driver must be updated using [Update Driver ...].

- 1** Click [Start] and then [Devices and Printers].
- 2** Right-click the device name of the machine that is under [Unspecified] and then click [Properties].
 - If [Unknown Device] appears instead of the device name of the machine, right-click to remove the device, and install the printer driver. To connect this machine as described in "Making the printer driver known to the compute". For details, refer to page 5-9 or page 5-12.
- 3** In the [Hardware] tab, click [Properties].
- 4** In the [General] tab, click [Change Settings].
- 5** In the [Driver] tab, click [Update Driver ...].
- 6** In the page in which to select how to search the driver software, click [Browse my computer for driver software anyway].
- 7** Click [Browse...].
- 8** Select a desired printer driver folder in the CD-ROM, and then click [OK].
 - Select a folder according to the printer driver, operating system, and language to be used.

Available printer drivers: PS Plug-in driver, PPD driver
- 9** Click [Next].
- 10** Follow the instructions on the pages that follow.
 - If the [Windows Security] window for verifying the publisher appears, click [Install this driver software anyway].
- 11** Click [Close].
- 12** After finishing the installation, make sure that the icon for the installed printer is displayed in the [Devices and Printers] window.
- 13** Remove the CD-ROM from the CD-ROM drive.
This completes the printer driver updating.

Reference

- In Windows Vista/Server 2008, [Update Driver ...] is also available. In Windows Vista/Server 2008, you can specify [Update Driver...] by opening [Properties] for this machine that is listed in [Other Devices] under [Device Manager].
To select [Device Manager], right-click [Computer] and then click [Properties]. Select it in the [Tasks] pane that appears.

5.2 Windows XP/Server 2003

5.2.1 For network connection (LPR/Port9100)

To use LPR/Port9100 printing, specify the port while installing the printer driver.

Settings for the machine

To use Port 9100 or LPR printing, you must configure the network settings for the machine in advance.

Items to be configured	Description
IP Address	In [TCP/IP Settings] of this machine, specify the IP address.
RAW port number	To use Port 9100 printing: In [TCP/IP Settings] for the machine, enable the RAW port number (initial setting: [9100]).
LPD Setting	To use LPR printing: In [LPD Setting] for the machine, enable LPD printing.



Reference

For details on the network settings for this machine, refer to [User's Guide - POD Administrator's Reference].

Installing the printer driver using the Add Printer Wizard

✓ Installing the driver to Windows XP/Server 2003-based computers requires the administrator authority.

1 Insert the Driver CD-ROM into the CD-ROM drive.

2 Click [Start], and then select [Printers and Faxes].

→ If [Printers and Faxes] is not displayed in the [Start] menu, open [Control Panel] from the [Start] menu, click [Printers and Other Hardware], then click [Printers and Faxes].

3 In Windows XP, select [Add a printer] from the [Printer Tasks] menu.
In Windows Server 2003, double-click [Add Printer].

In Windows XP:



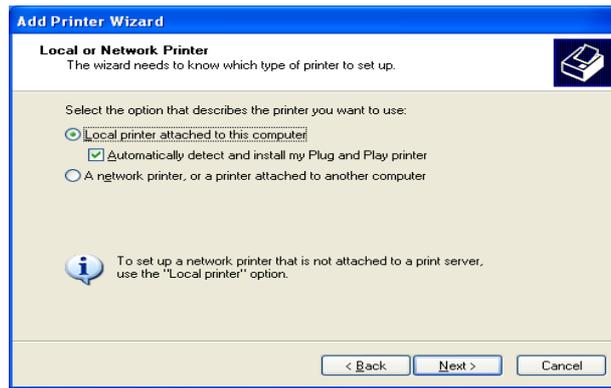
In Windows Server 2003:



[Add Printer Wizard] appears.

4 Click [Next >].

- 5 [Select Local printer attached to this computer], and then click [Next >].



→ Clear the [Automatically detect and install my Plug and Play printer] check box.

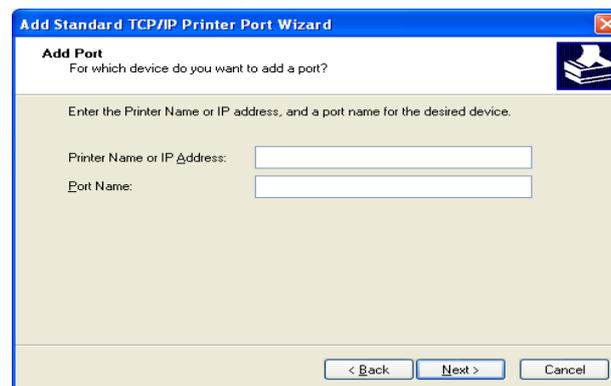
- 6 Select [Create a new port:], and then select [Standard TCP/IP Port] as the [Type of port:].



- 7 Click [Next >].

- 8 Click [Next >].

- 9 [In the Printer Name or IP Address:] box, enter the IP address for the machine, and then click [Next >].



→ If the [Additional Port Information Required] dialog box appears, go to Step 10.

→ If the [Finish] page appears, go to Step 13.

- 10 Select [Custom], and then click [Settings:].

- 11 Change the settings according to the port, and then click [OK].

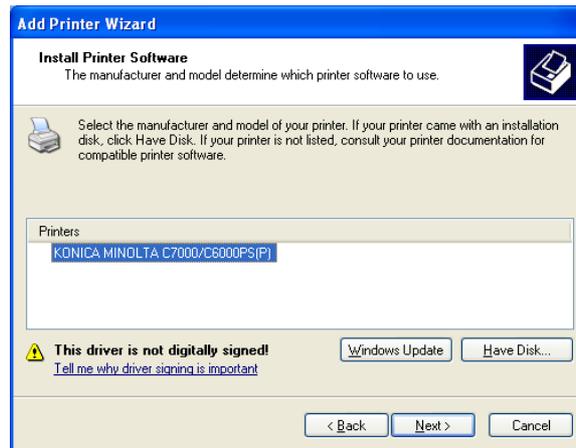
→ For LPR connection, select [LPR], and then enter "Print" in the [Queue Name:] box.

→ You must discriminate between upper and lower case letters when entering it.

→ For Port9100, select [Raw], and then enter a RAW port number (initial setting: [9100]) in the [Port Number:] box.

- 12 Click [Next >].

- 13 Click [Finish].
- 14 Click [Have Disk...].
- 15 Click [Browse...].
- 16 Select a desired printer driver folder in the CD-ROM, and then click [Open].
 - Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers:
PS Plug-in driver, PPD driver
- 17 Click [OK].
The [Printers] list appears.
- 18 Click [Next >].



- 19 Follow the instructions on the pages that follow.
 - To use a network connection, perform a test print after the network settings have been configured.
- 20 Click [Finish].
 - If the "Windows logo testing" or [Digital Signature] window appears, click [Continue Anyway] or [Yes].
- 21 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Printers and Faxes] window.
- 22 Remove the CD-ROM from the CD-ROM drive.
This completes the printer driver installation.

5.2.2 For network connection (SMB)

To use SMB printing, specify the port by specifying the printer while installing the printer driver. The printer can be specified either by searching for the printer on the network, or by entering the printer name directly.

Settings for the machine

To use SMB printing, you must configure the network settings for the machine in advance.

Items to be configured	Description
IP Address	In [TCP/IP Settings] of this machine, specify the IP address.
SMB Setting	To use SMB printing: At [Print Settings] in [SMB Settings] for the machine, specify NetBIOS Name, Print Service Name, and Workgroup.

Reference

For details on the network settings for this machine, refer to [User's Guide - POD Administrator's Reference].

To use SMB printing in the IPv6 environment, [Direct Hosting Setting] for the machine must be enabled. For details, refer to [User's Guide - POD Administrator's Reference].

Installing the printer driver by specifying the printer using the Add Printer Wizard

✓ Installing the driver to Windows XP/Server 2003-based computers requires the administrator authority.

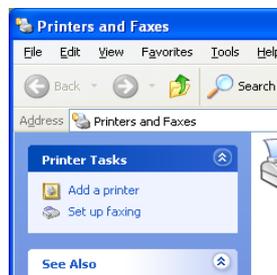
1 Insert the Driver CD-ROM into the CD-ROM drive.

2 Click [Start], and then select [Printers and Faxes].

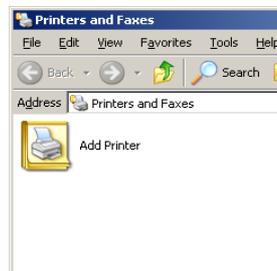
→ If [Printers and Faxes] is not displayed in the [Start] menu, open [Control Panel] from the [Start] menu, click [Printers and Other Hardware], then click [Printers and Faxes].

3 In Windows XP, select [Add a printer] from the [Printer Tasks] menu.
In Windows Server 2003, double-click [Add Printer].

In Windows XP:



In Windows Server 2003:



[Add Printer Wizard] appears.

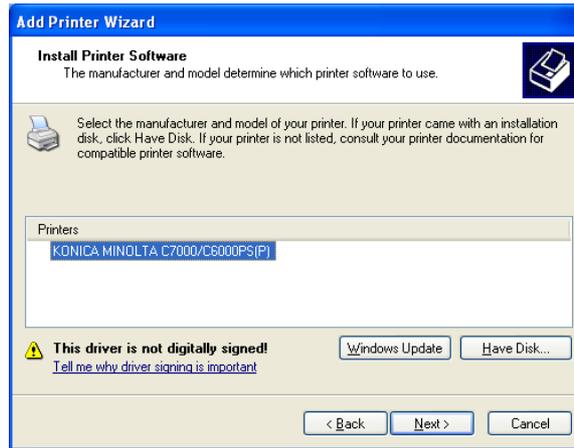
4 Click [Next >].

5 [Select Local printer attached to this computer], and then click [Next >].

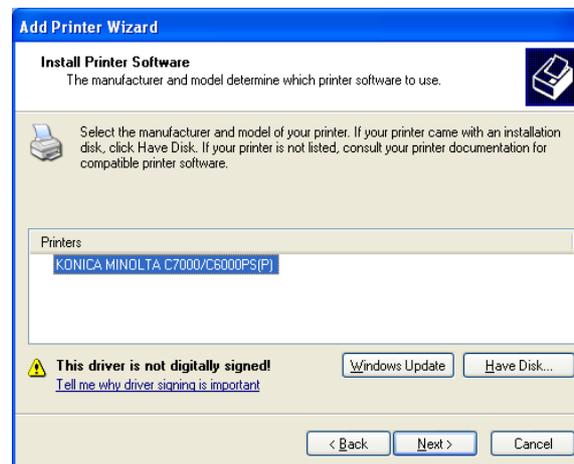


→ Clear the [Automatically detect and install my Plug and Play printer] check box.

- 6 Click [Create a new port:], select [Local Port] as the [Type of port:], and then click [Next >].



- 7 Enter "\\NetBIOS name\print service name" in the [Port Name] box.
 → Enter the same NetBIOS name and print service name specified in [Print Settings] in [SMB Settings].
- 8 Click [OK].
- 9 Click [Have Disk...].
- 10 Click [Browse...].
- 11 Select a desired printer driver folder in the CD-ROM, and then click [Open].
 → Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers:
 PS Plug-in driver, PPD driver
- 12 Click [OK].
- 13 Click [Next >].



- 14 Follow the instructions on the pages that follow.
 → To use a network connection, perform a test print after the network settings have been configured.
- 15 Click [Finish].
 → If the "Windows logo testing" or [Digital Signature] window appears, click [Continue Anyway] or [Yes].
- 16 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Printers and Faxes] window.
- 17 Remove the CD-ROM from the CD-ROM drive.

This completes the printer driver installation.

5.2.3 For network connection (IPP/IPPS)

To use IPP printing, specify the port while installing the printer driver.

Settings for the machine

To use IPP printing, you must configure the network settings for the machine in advance.

Items to be configured	Description
IP Address	In [TCP/IP Settings] of this machine, specify the IP address.
IPP Setting	In [HTTP Server Setting] for the machine, enable IPP printing.



Reference

For details on the network settings for this machine, refer to [User's Guide - POD Administrator's Reference].

Before you can use IPPS printing, you must register a certificate with this machine. You can use the self-signed certificate that is preinstalled in this machine. For details, refer to [User's Guide - POD Administrator's Reference].

Installing the printer driver using the Add Printer Wizard

- ✓ Installing the driver to Windows XP/Server 2003-based computers requires the administrator authority.
- 1 Insert the Driver CD-ROM into the CD-ROM drive.
- 2 Click [Start], and then select [Printers and Faxes].
 - If [Printers and Faxes] is not displayed in the [Start] menu, open [Control Panel] from the [Start] menu, click [Printers and Other Hardware], then click [Printers and Faxes].
- 3 In Windows XP, select [Add a printer] from the [Printer Tasks] menu.
In Windows Server 2003, double-click [Add Printer].
- 4 Click [Next >].
- 5 In the [Local or Network Printer] page, select [A network printer, or a printer attached to another computer], and then click [Next >].
- 6 In the [Specify a Printer] page, select [Connect to a printer on the Internet or on a home or office network:].
- 7 In the [URL:] field, enter the URL for the machine in the following format, and then click [Next >].
 - http://<IP address for the machine>/ipp
Example: When the IP address for the machine is 192.168.1.20, http://192.168.1.20/ipp
 - When specifying to use IPPS printing, enter "https://<IP address for the machine>/ipp".
 - If a confirmation dialog box appears after clicking [Next >], click [OK].
- 8 Click [Have Disk...].
- 9 Click [Browse...].
- 10 Select a desired printer driver folder in the CD-ROM, and then click [Open].
 - Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers:
PS Plug-in driver, PPD driver
- 11 Click [OK].
The [Printers] list appears.
- 12 Click [OK].

- 13 Follow the instructions on the pages that follow.
- 14 Click [Finish].
 - If the "Windows logo testing" or [Digital Signature] window appears, click [Continue Anyway] or [Yes].
- 15 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Printers and Faxes] window.
- 16 Remove the CD-ROM from the CD-ROM drive.

This completes the printer driver installation.

Once the settings for the printer have been configured, you can use the printer in the same way as a general local printer.

5.2.4 For local connection

When this machine is connected via a USB port, the printer driver can be installed with plug and play.

Reference

- When a USB connection is used, the printer driver is installed easily with the plug and play feature. However, it can also be installed using the Add Printer Wizard. To use the Add Printer Wizard, select the USB port to be connected in the [Choose a printer port] page.

- 1 Connect this machine to the computer using a USB cable, and then start the computer.

NOTICE

When starting up the computer, do not plug in or unplug the cable.

- 2 Insert the Driver CD-ROM into the CD-ROM drive.
- 3 Turn on the main power of this machine.

The [Found New Hardware Wizard] window appears.

 - If the [Found New Hardware Wizard] window does not appear, turn this machine off, then on again. In this case, turn off this machine, and then wait approximately 10 seconds before turning it on again. If you turn the printer on immediately after turning it off, it may not function correctly.
 - If a page with a message saying "Windows connect to Windows Update" appears, select [No, not this time].
- 4 Select [Install from a list or specific location (Advanced)], and then click [Next >].
- 5 Under [Search for the best driver in these locations.], select [Include this location in the search:], and then click [Browse].
- 6 Select a desired printer driver folder in the CD-ROM, and then click [OK].
 - Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers:
PS Plug-in driver, PPD driver
- 7 Click [Next >], and then follow the instructions on the pages that follow.
- 8 Click [Finish].
 - If the "Windows logo testing" or [Digital Signature] window appears, click [Continue Anyway] or [Yes].
- 9 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Printers and Faxes] window.
- 10 Remove the CD-ROM from the CD-ROM drive.

This completes the printer driver installation.

5.3 Windows 2000

5.3.1 For network connection (LPR/Port9100)

To use LPR/Port9100 printing, specify the port while installing the printer driver.

Settings for the machine

To use Port 9100 or LPR printing, you must configure the network settings for the machine in advance.

Items to be configured	Description
IP Address	In [TCP/IP Settings] of this machine, specify the IP address.
RAW port number	To use Port 9100 printing: In [TCP/IP Settings] for the machine, enable the RAW port number (initial setting: [9100]).
LPD Setting	To use LPR printing: In [LPD Setting] for the machine, enable LPD printing.

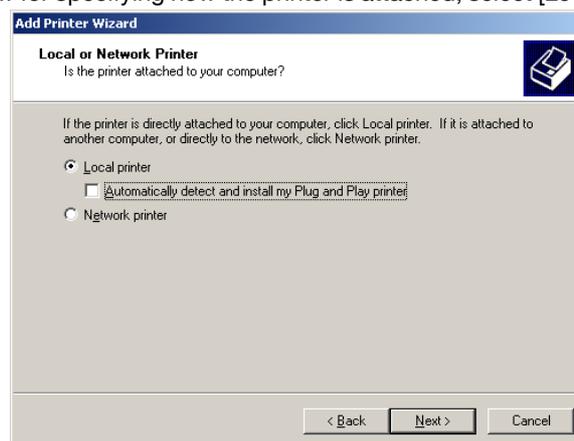


Reference

For details on the network settings for this machine, refer to [User's Guide - POD Administrator's Reference].

Installing the printer driver using the Add Printer Wizard

- ✓ Installing the driver to Windows 2000-based computers requires the administrator authority.
- 1 Insert the Driver CD-ROM into the CD-ROM drive.
- 2 Click [Start], and then select [Settings] - [Printers].
- 3 Double-click [Add Printer].
[Add Printer Wizard] appears.
- 4 Follow the instructions on the pages that follow.
- 5 On the window for specifying how the printer is attached, select [Local printer], and then click [Next >].



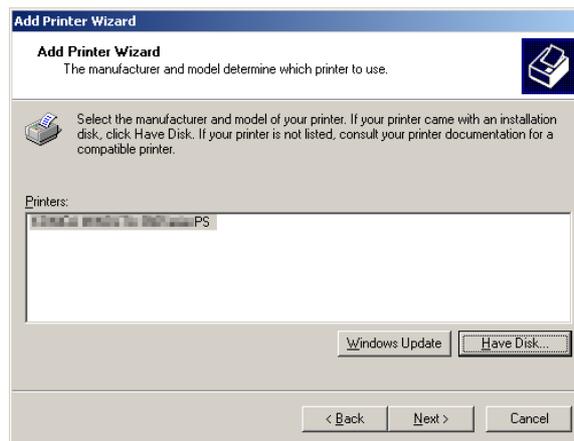
→ Clear the [Automatically detect and install my Plug and Play printer] check box.

- 6 Click [Create a new port:], and then select [Standard TCP/IP Port] as the type of port.
- 7 Click [Next >].
- 8 Click [Next >].
- 9 In the [Printer Name or IP Address:] box, enter the IP address for the machine, and then click [Next >].
 - If the [Additional Port Information Required] dialog box appears, go to Step 10.
 - If the [Finish] page appears, go to Step 13.

- 10 Select [Custom], and then click [Settings...].
- 11 Change the settings according to the port, and then click [OK].
 - For LPR connection, select [LPR], and then enter "Print" in the [Queue Name:] box.
 - You must discriminate between upper and lower case letters when entering it.
 - For Port9100, select [Raw], and then enter a RAW port number (initial setting: [9100]) in the [Port Number:] box.
- 12 Click [Next >].
- 13 Click [Finish].

[Add Printer Wizard] appears.
- 14 Click [Have Disk...].
- 15 Click [Browse...].
- 16 Select a desired printer driver folder in the CD-ROM, and then click [Open].
 - Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers:
PS Plug-in driver, PPD driver
- 17 Click [OK].

The [Printer:] list appears.
- 18 Click [Next >].



- 19 Follow the instructions on the pages that follow.
- 20 Click [Finish].
 - If the [Digital Signature] window appears, click [Yes].
- 21 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Printers] window.
- 22 Remove the CD-ROM from the CD-ROM drive.

This completes the printer driver installation.

5.3.2 For network connection (SMB)

To use SMB printing, specify the port by specifying the printer while installing the printer driver.

Settings for the machine

To use SMB printing, you must configure the network settings for the machine in advance.

Items to be configured	Description
IP Address	In [TCP/IP Settings] of this machine, specify the IP address.
SMB Setting	To use SMB printing: At [Print Settings] in [SMB Settings] for the machine, specify NetBIOS Name, Print Service Name, and Workgroup.



Reference

For details on the network settings for this machine, refer to [User's Guide - POD Administrator's Reference].

Installing the printer driver using the Add Printer Wizard

- ✓ Installing the driver to Windows 2000-based computers requires the administrator authority.
- 1 Insert the Driver CD-ROM into the CD-ROM drive.
- 2 Click [Start], and then select [Settings] - [Printers].
- 3 Double-click [Add Printer].
[Add Printer Wizard] appears.
- 4 Follow the instructions on the pages that follow.
- 5 On the window for specifying how the printer is attached, select [Local printer], and then click [Next >].
→ Clear the [Automatically detect and install my Plug and Play printer] check box.
The page for [Select the Printer Port] appears.
- 6 Click [Create a new port:], and then select [Local Port] as the port type.
- 7 Click [Next >].
- 8 Enter "\\NetBIOS name\print service name" in the [Port Name] box.
→ Enter the same NetBIOS name and print service name specified in [Print Settings] in [SMB Settings].
- 9 Click [OK].
[Add Printer Wizard] appears.
- 10 Click [Have Disk...].
- 11 Click [Browse...].
- 12 Select a desired printer driver folder in the CD-ROM, and then click [Open].
→ Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers:
PS Plug-in driver, PPD driver
- 13 Click [OK].
The [Printer:] list appears.
- 14 Click [Next >].
- 15 Follow the instructions on the pages that follow.
- 16 Click [Finish].

→ If the [Digital Signature] window appears, click [Yes].

- 17 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Printers] window.
- 18 Remove the CD-ROM from the CD-ROM drive.
This completes the printer driver installation.

5.3.3 For network connection (IPP/IPPS)

For IPP printing, configure the network settings before installing the printer driver.

Settings for the machine

To use IPP printing, you must configure the network settings for the machine in advance.

Items to be configured	Description
IP Address	In [TCP/IP Settings] of this machine, specify the IP address.
IPP Setting	In [HTTP Server Setting] for the machine, enable IPP printing.



Reference

For details on the network settings for this machine, refer to [User's Guide - POD Administrator's Reference].

Before you can use IPPS printing, you must register a certificate with this machine. You can use the self-signed certificate that is preinstalled in this machine. For details, refer to [User's Guide - POD Administrator's Reference].

Installing the printer driver using the Add Printer Wizard

- ✓ Installing the driver to Windows 2000-based computers requires the administrator authority.
- 1 Insert the Driver CD-ROM into the CD-ROM drive.
 - 2 Click [Start], and then select [Settings] - [Printers].
 - 3 Double-click the [Add Printer] icon.
 - 4 Click [Next].
 - 5 In the [Local or Network Printer] page, select [Network printer], and then click [Next >].
 - 6 In the [Locate Your Printer] page, select [Connect to a printer on the Internet or your intranet].
 - 7 In the [URL:] field, enter the URL for the machine in the following format, and then click [Next].
 - http://<IP address for the machine>/ipp
Example: When the IP address for the machine is 192.168.1.20, http://192.168.1.20/ipp
 - When specifying to use IPPS printing, enter "https://<IP address for the machine>/ipp".
 - 8 When the confirmation dialog box appears, click [OK].
 - 9 Click [Have Disk...].
 - 10 Click [Browse...].
 - 11 Select a desired printer driver folder in the CD-ROM, and then click [Open].
 - Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers:
PS Plug-in driver, PPD driver
 - 12 Click [OK].
The [Printer:] list appears.

- 13 Click [OK].
- 14 Follow the instructions on the pages that follow.
- 15 Click [Finish].
 - If the [Digital Signature] window appears, click [Yes].
- 16 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Printers] window.
- 17 Remove the CD-ROM from the CD-ROM drive.
 - This completes the printer driver installation.

Once the settings for the printer have been configured, you can use the printer in the same way as a general local printer.

5.3.4 For local connection

When this machine is connected via a USB port, the printer driver can be installed with plug and play.

Reference

- When a USB connection is used, the printer driver is installed easily with the plug and play feature. However, it can also be installed using the Add Printer Wizard. To use the Add Printer Wizard, select the USB port to be connected in the [Choose a printer port] page.

- 1 Connect this machine to the computer using a USB cable, and then start the computer.

NOTICE

When starting up the computer, do not plug in or unplug the cable.

- 2 Insert the Driver CD-ROM into the CD-ROM drive.

- 3 Turn on the main power of this machine.

The [Found New Hardware Wizard] window appears.

- If the [Found New Hardware Wizard] window does not appear, turn this machine off, then on again. In this case, turn off this machine, and then wait approximately 10 seconds before turning it on again. If you turn the printer on immediately after turning it off, it may not function correctly.

- 4 Click [Next >].

- 5 Select [Search for a suitable driver for my device (recommended)], and then click [Next >].

- 6 Select [Specify a Location], and then click [Next >].

- 7 Click [Browse...].

- 8 Select a desired printer driver folder in the CD-ROM, and then click [Open].

- Select a folder according to the printer driver, operating system, and language to be used. Available printer drivers:
 - PS Plug-in driver, PPD driver

- 9 Click [OK], and then follow the instructions on the pages that follow.

- 10 Click [Finish].

- If the [Digital Signature] window appears, click [Yes].

- 11 After finishing the installation, make sure that the icon for the installed printer is displayed in the [Printers] window.

- 12 Remove the CD-ROM from the CD-ROM drive.

This completes the printer driver installation.



Installation on Macintosh Computers

6 Installation on Macintosh Computers

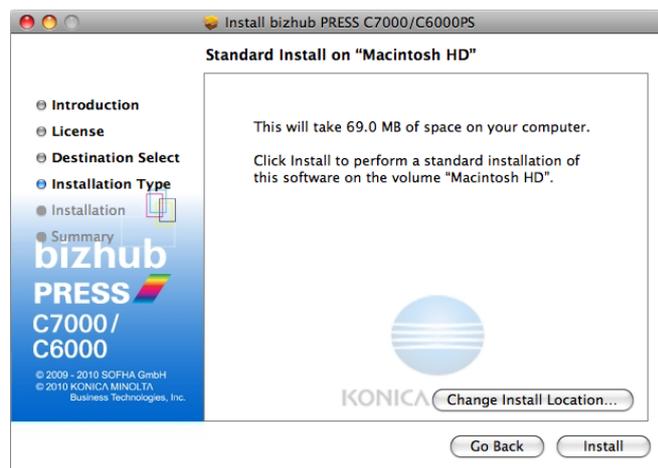
This chapter describes the settings necessary when using Macintosh and the procedure for installing printer drivers for Macintosh.

6.1 Mac OS X 10.4/10.5/10.6

This machine supports the PS Plug-in driver if you use Mac OS X.

6.1.1 Installing the printer driver (PS Plug-in driver)

- 1 Start the Macintosh computer.
- 2 Insert the Driver CD-ROM into the CD-ROM drive.
 - Exit all running applications, if any.
- 3 Open the folder in the CD-ROM that contains the desired printer driver.
 - Select a folder according to the printer driver, operating system, and language to be used.
- 4 Copy [bizhub PRESS C7000 C6000PS.pkg] on the desktop.
- 5 Double-click the file copied onto the desktop.
 - The installer starts.
 - To cancel installation, press [Cancel].
- 6 Click [Continue] following the instructions on the pages that follow until the [Installation] page appears.
 - When the name and password prompt appears during the procedure, enter the administrator name and password.
- 7 In the [Installation] page, click [Install].
 - The printer driver is installed in the computer. When the installation is completed, a message appears.



- For OS X 10.4, when the printer driver is installed for the second and subsequent times, [Install] may change to [Upgrade].

- 8 Click [Close].
 - This completes the printer driver installation.

Next, select a printer. (Refer to page 6-3.)

6.1.2 Selecting and connecting a printer (OS X 10.4/10.5/10.6)

In OS X 10.4/10.5/10.6, the printer can be connected with Bonjour, LPR (LPD), or IPP.

In OS X 10.4/10.5, the printer can also be connected using AppleTalk.

After configuring the network setting for the machine, selecting this machine as the printer to be used in the [Print & Fax] window enables printing.

Configuring the Bonjour settings

Configuring the [Bonjour Setting] for the machine

Enable Bonjour in [Bonjour Setting] for the machine, and then enter the Bonjour name.



Reference

For details on [Bonjour Setting] for this machine, refer to [User's Guide - POD Administrator's Reference].

Adding a printer

1 In the [Apple Menu], select [System Preferences...].

2 Click the [Print & Fax] icon.

3 Click [+] on the [Print & Fax] window.

4 Click [Default].

Connected printers are detected.

→ If no printer is detected, turn this machine off, then on again.

In this case, turn off this machine, and then wait approximately 10 seconds before turning it on again. If you turn the printer on immediately after turning it off, it may not function correctly.

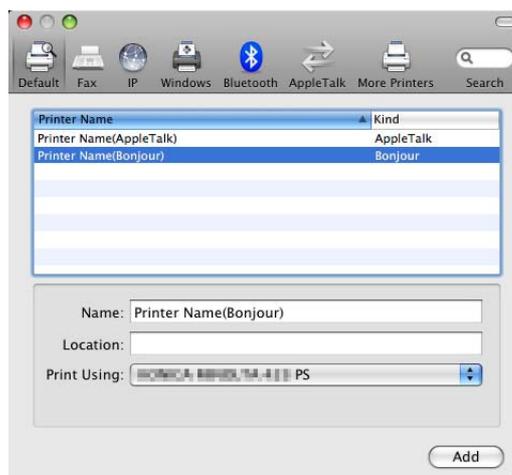
5 From the [Printer Name] list, select the desired Bonjour-connected model name.

The printer driver corresponding to the selected printer name is automatically selected.

→ You can check the printer name by selecting [Administrator Setting] - [Controller] - [Controller NIC Setting Menu] - [Bonjour Setting]. In the default setting, the contents enclosed in parentheses () suffixed in [Bonjour Name] correspond to the low-order three bytes of the MAC address. The following window shows an example where the printer name is changed to "Printer Name(Bonjour)".

→ After the printer driver is selected, go to Step 7.

→ If an incorrect printer driver is selected, go to Step 6.

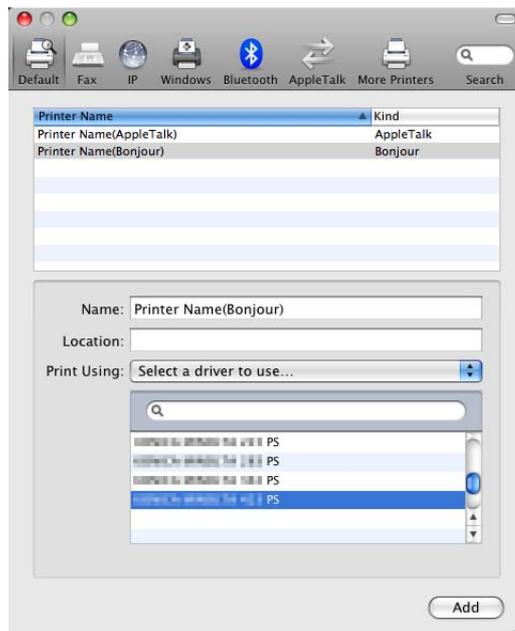


6 Select the desired printer driver manually.

→ When OS X 10.6 is used, select [Select Printer Software...] from [Print Using:], and then select the printer driver of the desired model from the list that is displayed in another window.

→ When OS X 10.5 is used, select the [Select a driver to use...] from the [Print Using:], and then select the printer driver of the desired model name from the list.

- When OS X 10.4 is used, select [KONICA MINOLTA] from the [Print Using:], and then select the printer driver of the desired model name from the list.



7 Click [Add].

When the selected printer is registered in the [Print & Fax], the setting procedure is completed.

Reference

- For OS X 10.4, you can also add a printer by clicking [Add] in the [Printer Setup Utility] window.

Configuring the AppleTalk settings

Configuring the [AppleTalk Settings] for the machine

Enable AppleTalk in [AppleTalk Settings], and then enter the printer name.

Important

- Mac OS X 10.6 does not support AppleTalk.



Reference

For details on [AppleTalk setting] for this machine, refer to [User's Guide - POD Administrator's Reference].

Configuring [AppleTalk Setting] for the computer

Configure the AppleTalk settings for the Macintosh computer connected to the printer.

- 1 In the [Apple Menu], select [System Preferences...].
- 2 Click the [Network] icon.
- 3 The Ethernet setting window appears.
 - For OS X 10.5, select [Ethernet], and then click [Advanced...].
 - For OS X 10.4, select [Built-in Ethernet], and then click [Configure...].
- 4 Double-click the [AppleTalk] tab to enable AppleTalk.
- 5 Click the close button at the top left corner of the window.
 - When the [This service has unsaved changes] message appears, click [Apply].

Adding a printer

- 1 In the [Apple Menu], select [System Preferences...].

- 2 Click the [Print & Fax] icon.
- 3 Click [+] on the [Print & Fax] window.
- 4 Click [Default].

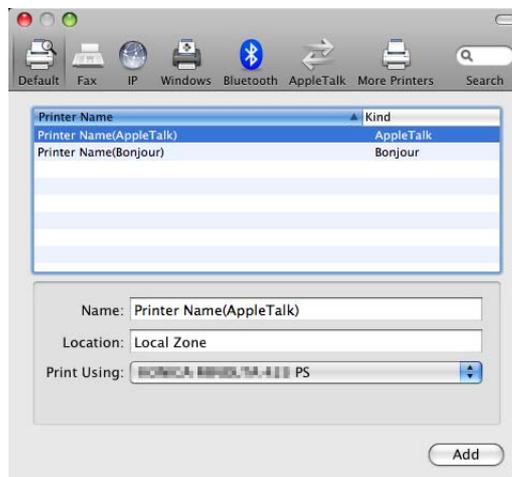
Connected printers are detected.

- If no printer is detected, turn this machine off, then on again.
In this case, turn off this machine, and then wait approximately 10 seconds before turning it on again. If you turn the printer on immediately after turning it off, it may not function correctly.

- 5 From the [Printer Name] list, select the desired AppleTalk-connected model name.

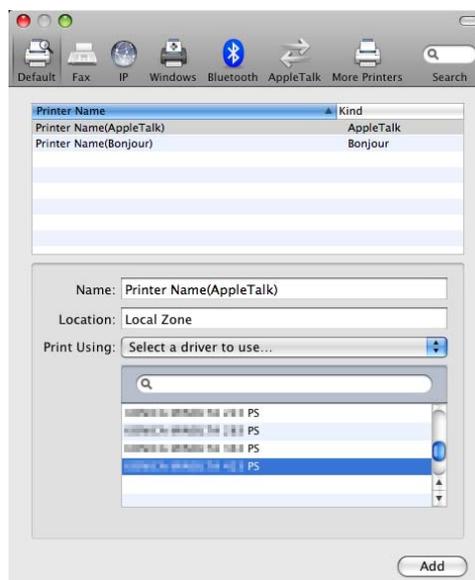
The printer driver corresponding to the selected printer name is automatically selected.

- You can check the printer name by selecting [Administrator Setting] - [Controller] - [Controller NIC Setting Menu] - [AppleTalk Setting]. In the Default setting, the last six letters of [Printer Name] correspond to the low-order three bytes of the MAC address. The following window shows an example where the printer name is changed to "Printer Name(AppleTalk)".
- After the printer driver is selected, go to Step 7.
- If an incorrect printer driver is selected, go to Step 6.



- 6 Select the desired printer driver manually.

- When OS X 10.5 is used, select the [Select a driver to use...] from the [Print Using:], and then select the printer driver of the desired model name from the list.
- When OS X 10.4 is used, select [KONICA MINOLTA] from the [Print Using:], and then select the printer driver of the desired model name from the list.



7 Click [Add].

When the selected printer is registered in the [Print & Fax], the setting procedure is completed.

Reference

- For OS X 10.4, you can also add a printer by clicking [Add] in the [Printer Setup Utility] window.

Configuring the LPR settings

[TCP/IP Settings] for the machine

Specify the IP address for the machine.

[LPD Setting] for the printer

Before using LPR printing, enable LPD printing in [LPD Setting] for the machine.

**Reference**

For details on specifying the IP address for the machine, refer to [User's Guide - POD Administrator's Reference].

For details on [LPD Setting] for this machine, refer to [User's Guide - POD Administrator's Reference].

Configuring [TCP/IP Setting] for the computer

Configure the TCP/IP settings for the Macintosh computer connected to the printer.

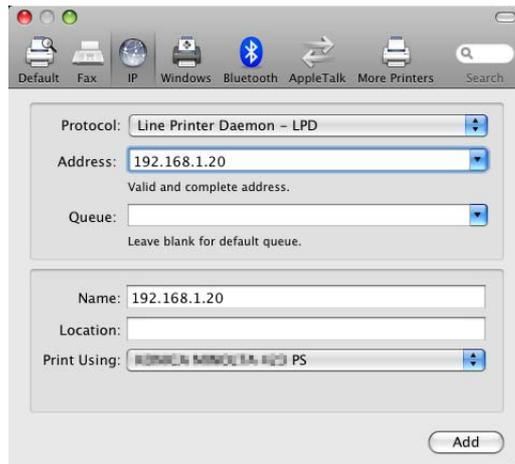
- 1** In the [Apple Menu], select [System Preferences...].
- 2** Click the [Network] icon.
- 3** The Ethernet setting window appears.
 - For OS X 10.5/10.6, select [Ethernet], and then click [Advanced...].
 - For OS X 10.4, select [Built-in Ethernet], and then click [Configure...].
- 4** Click the [TCP/IP] tab.
- 5** Configure the settings including the IP address and subnet mask according to the settings of the network to which the Macintosh computer is connected.
- 6** Click the close button at the top left corner of the window.
 - When the [This service has unsaved changes] message appears, click [Apply].

Adding a printer

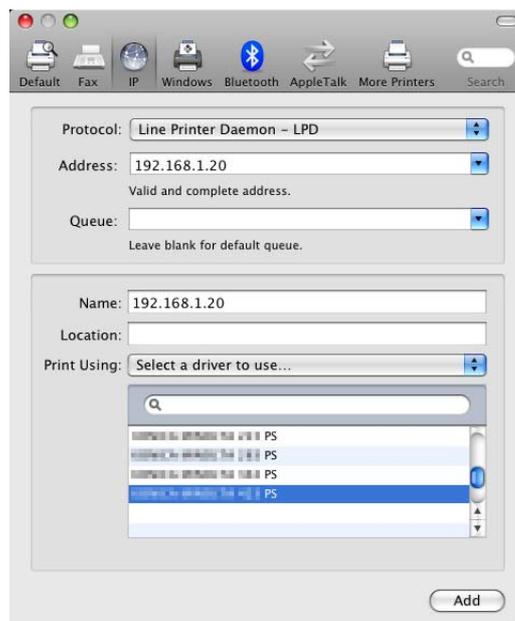
- 1** In the [Apple Menu], select [System Preferences...].
- 2** Click the [Print & Fax] icon.
- 3** Click [+] on the [Print & Fax] window.
- 4** Click [IP] or [IP Printer].
- 5** In [Protocol:], select [Line Printer Daemon - LPD].
- 6** In [Address:], enter the IP address for the machine.

The printer driver corresponding to this machine being identified with its IP address is automatically selected.

 - After the printer driver is selected, go to Step 8.
 - If an incorrect printer driver is selected, go to Step 7.



- 7 Select the desired printer driver manually.
- When OS X 10.6 is used, select [Select Printer Software...] from [Print Using:], and then select the printer driver of the desired model name from the list that is displayed in another window.
 - When OS X 10.5 is used, select the [Select a driver to use...] from the [Print Using:], and then select the printer driver of the desired model name from the list.
 - When OS X 10.4 is used, select [KONICA MINOLTA] from the [Print Using:], and then select the printer driver of the desired model name from the list.



- 8 Click [Add].
- When the selected printer is registered in the [Print & Fax], the setting procedure is completed.

Reference

- For OS X 10.4, you can also add a printer by clicking [Add] in the [Printer Setup Utility] window.

Configuring the IPP settings

[TCP/IP Settings] for the machine

Specify the IP address for the machine.

Configuring [HTTP Server Setting] for the computer

In [HTTP Server Setting] for the machine, enable IPP printing.



Reference

For details on specifying the IP address for the machine, refer to [User's Guide - POD Administrator's Reference].

For details on [HTTP Server Setting] for this machine, refer to [User's Guide - POD Administrator's Reference].

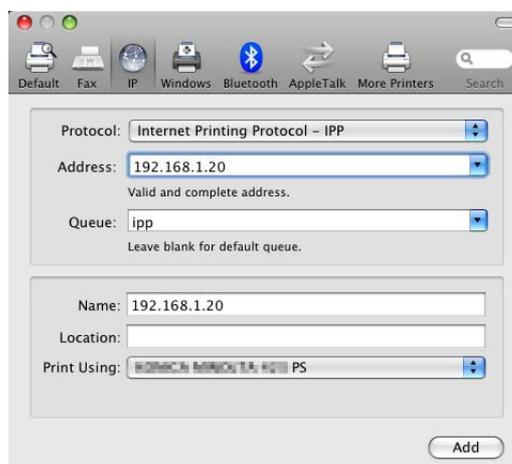
Configuring [TCP/IP Setting] for the computer

Configure the TCP/IP settings for the Macintosh computer connected to the printer.

- 1 In the [Apple Menu], select [System Preferences...].
- 2 Click the [Network] icon.
- 3 The Ethernet setting window appears.
 - For OS X 10.5/10.6, select [Ethernet], and then click [Advanced...].
 - For OS X 10.4, select [Built-in Ethernet], and then click [Configure...].
- 4 Click the [TCP/IP] tab.
- 5 Configure the settings including the IP address and subnet mask according to the settings of the network to which the Macintosh computer is connected.
- 6 Click the close button at the top left corner of the window.
 - When the [This service has unsaved changes] message appears, click [Apply].

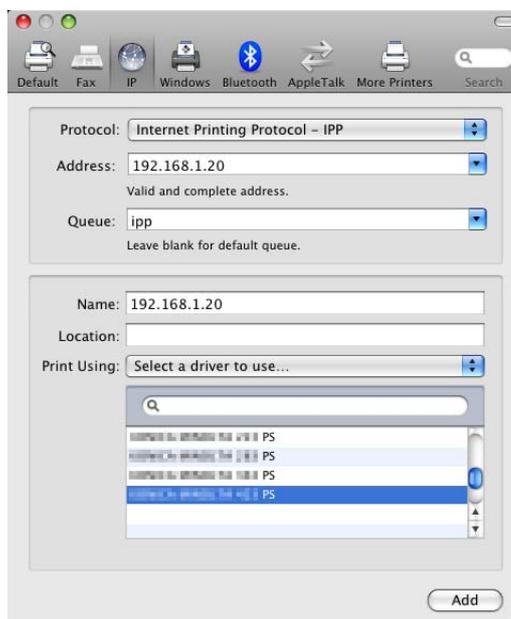
Adding a printer

- 1 In the [Apple Menu], select [System Preferences...].
- 2 Click the [Print & Fax] icon.
- 3 Click [+] on the [Print & Fax] window.
[Printer Browser] appears.
- 4 Click [IP] or [IP Printer].
- 5 In [Protocol:], select [Internet Printing Protocol - IPP].
- 6 In [Address:], enter the IP address for the machine. In [Queue:], enter "ipp".
The printer driver corresponding to this machine being identified with its IP address is automatically selected.
 - After the printer driver is selected, go to Step 8.
 - If an incorrect printer driver is selected, go to Step 7.



- 7 Select the desired printer driver manually.

- When OS X 10.6 is used, select [Select Printer Software...] from [Print Using:], and then select the printer driver of the desired model name from the list that is displayed in another window.
- When OS X 10.5 is used, select the [Select a driver to use...] from the [Print Using:], and then select the printer driver of the desired model name from the list.
- When OS X 10.4 is used, select [KONICA MINOLTA] from the [Print Using:], and then select the printer driver of the desired model name from the list.



8 Click [Add].

When the selected printer is registered in the [Print & Fax], the setting procedure is completed.

Reference

- For OS X 10.4, you can also add a printer by clicking [Add] in the [Printer Setup Utility] window.



Installation when Using NetWare

7 Installation when Using NetWare

This chapter describes the settings necessary when using NetWare and the procedure for installing printer drivers for the Windows client.

7.1 NetWare

7.1.1 Network Settings

In the [NetWare Settings] screen for the machine, specify [IPX Setting] and [NetWare Print Mode].



Reference

For details on [NetWare Setting] for this machine, refer to *User's Guide - POD Administrator's Reference*.

7.1.2 Configuring the Windows client

For the Windows client that uses a printer, install the printer driver using the [Add Printer Wizard].

- ✓ Administrator authority is required for installation.
- 1 Insert the Driver CD-ROM into the CD-ROM drive.
- 2 Open the [Devices and Printers], [Printers], or [Printers and Faxes] window.
- 3 Click [Add printer] or [Install printer].
[Add Printer Wizard] appears.
- 4 In the port settings, browse the network and specify the name of the created queue (or NDPS printer name).
- 5 From the printer model list, specify the desired folder in the CD-ROM that contains the printer driver.
 - ➔ Select a folder according to the printer driver, operating system, and language to be used.
Selectable printer drivers:
Windows 2000/XP/Server 2003: PS Plug-in driver, PPD driver
Windows Vista/Server 2008/7: PS Plug-in driver, PPD driver
- 6 Follow the instructions on the pages that follow to complete the installation.



Uninstalling the Printer Driver

8 Uninstalling the Printer Driver

This chapter describes the procedure for uninstalling the printer driver.

8.1 Windows

When you have to remove the printer driver, for example, when reinstallation of the printer driver is necessary, remove the Windows driver using the following procedure.

8.1.1 Uninstalling the driver manually (PS Plug-in driver/PPD driver)

- 1 Open the [Devices and Printers], [Printers], or [Printers and Faxes] window.
- 2 Select the icon for the printer to be uninstalled.
- 3 Remove the printer driver.
 - In Windows 2000/XP/Server 2003/Vista/Server 2008, press the **Delete** key on the computer keyboard.
 - In Windows 7, click [Remove device] on the toolbar.
- 4 From then on, follow the instructions on the pages that follow.

Once the printer driver is deleted, the icon disappears from the [Devices and Printers], [Printers], or [Printers and Faxes] window.

In Windows 2000/XP/Server 2003/Vista/Server 2008/7, go on to remove the printer driver from the server properties.
- 5 Open [Server Properties].
 - In Windows Vista/Server 2008, right-click on the area that has nothing displayed in the [Printers] window, click [Run as administrator] - [Server Properties].
 - In Windows 7, select other printer, and click [Print Server Properties] on the toolbar.
 - In Windows 2000/XP/Server 2003, click the [File] menu, then [Server Properties].
 - If the [User Account Control] window appears, click [Continue] or [Yes].
- 6 Click the [Driver] tab.
- 7 From the [Installed printer drivers:] list, select the printer driver to be removed, and then click [Remove...].
 - In Windows Vista/Server 2008/7, go to Step 8.
 - In Windows 2000/XP/Server 2003, go to Step 9.
- 8 Select [Remove driver and driver package.] or [Remove driver and driver package.] in the dialog box for confirming deletion target, and then click [OK].
- 9 In the dialog box for confirming if you are sure to remove the printer, click [Yes].
 - In Windows Vista/Server 2008/7, the dialog box appears to reconfirm if you are sure. Click [Uninstall].
- 10 Close the open windows, and then restart the computer.
 - Be sure to restart the computer.

This completes removing the printer driver.

Reference

- In Windows 2000/XP/Server 2003, even if the printer driver is deleted using the preceding method, the model information file will remain in the computer. For this reason, when reinstalling the same version of the printer driver, the driver may not be rewritten. In this case, remove the following files as well.
- Check the "C:\WINDOWS\system32\spool\drivers\w32x86" folder ("C:\WINDOWS\system32\spool\drivers\x64" folder in the x64 system, and "C:\WINNT\system32\spool\driv-

ers\w32x86" folder in Windows 2000), and if there is a folder (file described in "oem*.inf" shown below in Windows 2000) of the corresponding model, remove it. If more than one printer driver is installed, the model information for all drivers is deleted. To leave other drivers, do not remove the folder.

- From the "C:\WINDOWS\inf" folder ("C:\WINNT\inf" folder in Windows 2000), remove "oem*.inf" and "oem*.PNF" ("*" included in the file name indicates a number, which differs depending on the computer environment).

Before removing these files, open the inf file, and then check the model name described on the last few lines to confirm it is the file for the corresponding model. The number of the PNF file is the same as that of the inf file.

- When you have deleted a file using [Remove driver and driver package.] or [Remove driver and driver package.] in Windows Vista/Server 2008/7, this operation is not required.

8.2 Macintosh

When you have to remove the printer driver, for example, when reinstallation of the printer driver is necessary, remove the driver using the following procedure.

8.2.1 For Mac OS X

- 1 Open the [Print & Fax] (or [Printer Setup Utility]/[Print Center]) window.
 - The [Print & Fax] window can be opened from [System Preferences...] in [Apple Menu] (OS X 10.4/10.5/10.6).
 - The [Printer Setup Utility]/[Print Center] window can be opened from [Macintosh HD] - [Applications] - [Utilities] (OS X 10.4).
- 2 Select the printer name to be deleted, and then click [-] (or [Delete]).
The selected printer is deleted.
- 3 Close the [Print & Fax] (or [Printer Setup Utility]/[Print Center]) window.
- 4 Drag the following files, which are located in [Library] - [Printers] - [PPDs] - [Contents] - [Resources] - [en.lproj] for the installed [Macintosh HD], to the [Trash] icon.
 - [KOI7000_.ppd]
- 5 Delete unnecessary files from [Library] - [Printers].
 - Drag the following files, which are located in [Library] - [Printers] - [KONICA_MINOLTA], to the [Trash] icon.
 - pstobizhub_PRESS_7000
 - bizhub_PRESS_7000.plugin
 - bizhub_PRESS_7000.icns
- 6 For OS X 10.4/10.5, drag [bizhub PRESS C7000 C6000PS.pkg], which is located in [Library] - [Receipts], to the [Trash] icon.
- 7 Drag the following files, which are located in [Macintosh HD] - [Users] - [User Name] - [Library] - [Preferences] to the [Trash] icon.
 - com.apple.print.custompapers.plist
 - com.apple.print.custompresets.plist

For 10.6	bizhub PRESS 7000 Printer Driver x86_64 Preferences
For 10.5 (Intel Processor)/10.4	bizhub PRESS 7000 Printer Driver x86 Preferences
For 10.5 (Power PC)/10.4	bizhub PRESS 7000 Printer Driver PPC Preferences

 - Note
Depending on the driver setting, the above file may not be displayed.
[User Name] is the account name selected at the time of login.
- 8 Restart the computer.
This completes removing the printer driver.

A large, bold, black number '9' is centered within a gray square. The square is positioned to the left of the main title text.

Basic Printing Methods and Printer Functions

9 Basic Printing Methods and Printer Functions

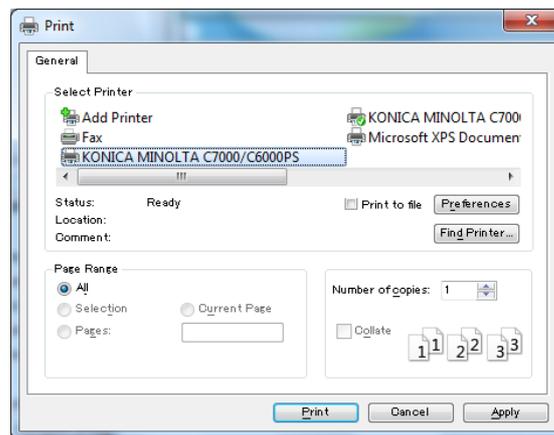
This chapter describes the basic printing methods from an application and the printer functions.

9.1 Print operations

Print jobs are specified from the application software.

Basic printing method (Windows)

- 1 Open the data in the application, and click [File]. Then click [Print] from the menu.
 - If the menu is not available, click [Print].
- 2 Check that the printer name has been selected in [Printer Name] (or [Select Printer]).
 - If the printer is not selected, click to select the printer.
 - The [Print] dialog box differs depending on the application.
 - The printer name varies depending on the installation method. You can also change the printer name. The following window shows an example where the printer name is changed to "Printer Name PS".



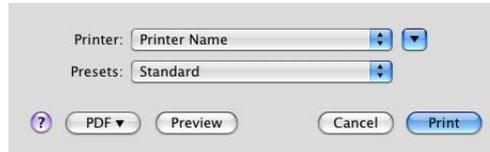
- 3 Specify the print range and the number of copies to print.
- 4 Click [Properties] (or [Preferences]) to change the printer driver settings as necessary.
 - Clicking [Properties] or [Preferences] in the [Print] window displays the [Printing Preferences] page of the printer driver where you can configure various functions. For details, refer to page 9-2 and page 9-2.
 - [Printing Preferences] of the printer driver changed in the [Print] window are not saved, and the original settings are restored when you exit the application.
- 5 Click [Print].

The printing is started.

Basic printing method (Mac OS X)

- 1 Open the data in the application, and click [File]. Then click [Print] from the menu.
 - If the menu is not available, click [Print].
 - The [Print] window appears.

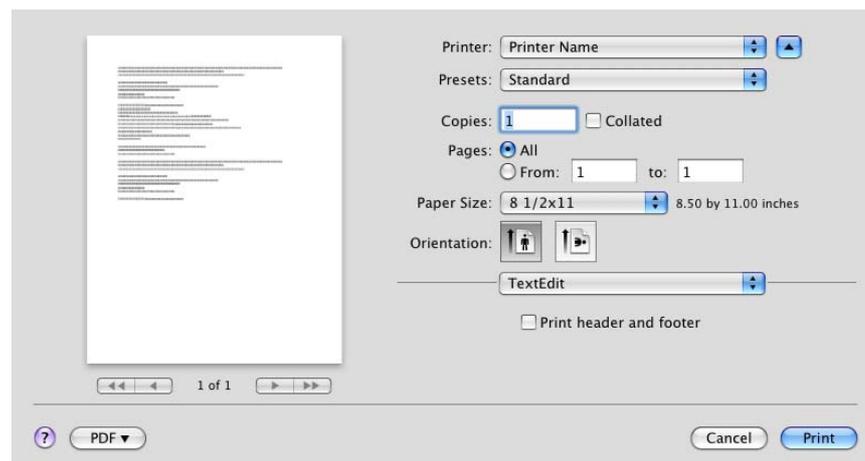
- 2 Check that the desired printer name is selected in [Printer:].
 - If the target printer is not selected, select it.



- If the printer does not appear, select the printer from [Print & Fax], [Printer Setup Utility] or [Print Center]. For details, refer to page 6-3.
- The [Print] window varies depending on the application software.
- You can also change the printer name. The following window shows an example where the printer name is changed to "Printer Name".

- 3 Specify the print range and the number of copies to print.

- When the setting items are not displayed in OS X 10.5/10.6, click  on the right side of [Printer:].



- 4 Switch the setting window as necessary to change the printer driver settings.

- The printer driver settings changed in the [Print] window are not saved, and the original settings are restored when you exit the application.

- 5 Click [Print].

- The printing is started.

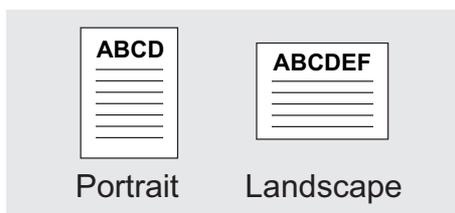
9.2 Printer Functions

This section describes various printer functions. For details on each function, refer to the corresponding page shown in "Reference".

9.2.1 Setting paper

Setting the print orientation

In this printing system, you can set the printing orientation of the output paper either in [Portrait] or [Landscape].



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-5
	PostScript PPD driver	p. 11-5
Mac OS X	PS Plug-in Driver	p. 10-5

Setting the paper size for the output paper

In this printing system, you can set the output paper in various sizes.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-5
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-5

Setting the paper type

In this printing system, you can set the output paper in various paper types.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-9
	PostScript PPD driver	p. 11-6
Mac OS X	PS Plug-in Driver	p. 10-9

Setting paper color

In this printing system, you can specify the color of paper for printing.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-9
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-9

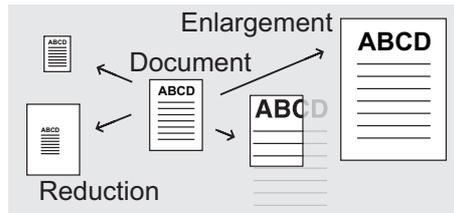
Setting the pre-punched paper

In this printing system, you can specify the pre-punched paper for printing.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-9
	PostScript PPD driver	p. 11-6
Mac OS X	PS Plug-in Driver	p. 10-9

Enlarging/reducing an original by specifying a value

In this printing system, you can specify the magnification scale with a value for printing.

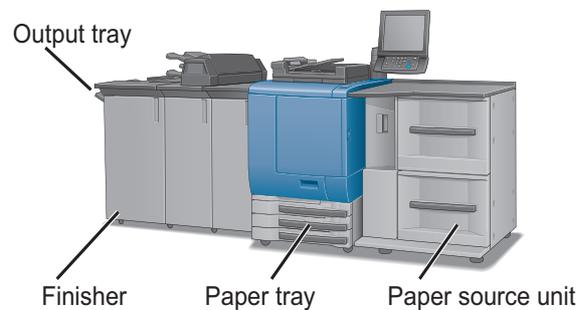


Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-6
	PostScript PPD driver	p. 11-6
Mac OS X	PS Plug-in Driver	p. 10-6

9.2.2 Setting a paper tray

Setting a paper source unit

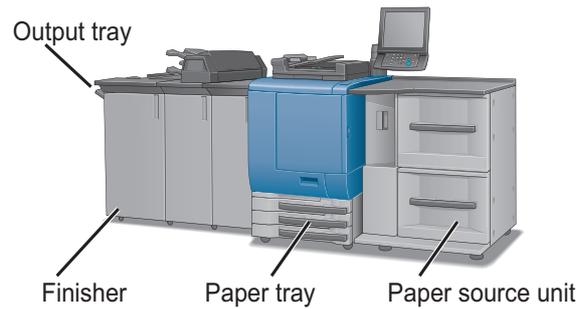
In this printing system, you can register an optional paper source unit (a large capacity tray) in a printer driver.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-23
	PostScript PPD driver	p. 10-23
Mac OS X	PS Plug-in Driver	p. 10-23

Setting a paper tray

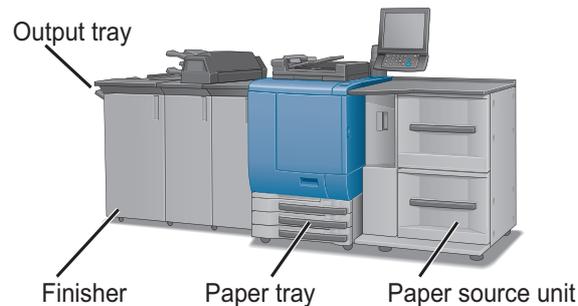
In this printing system, you can select a paper tray to use from a list.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-5
	PostScript PPD driver	p. 11-6
Mac OS X	PS Plug-in Driver	p. 10-5

Setting a paper output unit

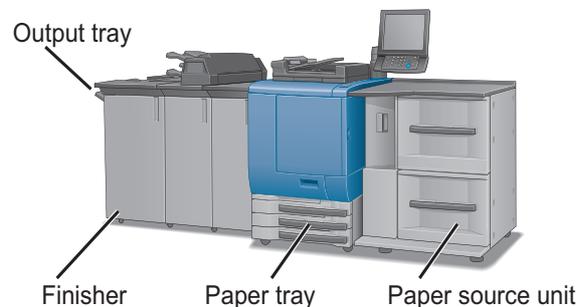
In this printing system, you can register an optional paper output unit in a printer driver.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-23
	PostScript PPD driver	p. 10-23
Mac OS X	PS Plug-in Driver	p. 10-23

Setting an output tray

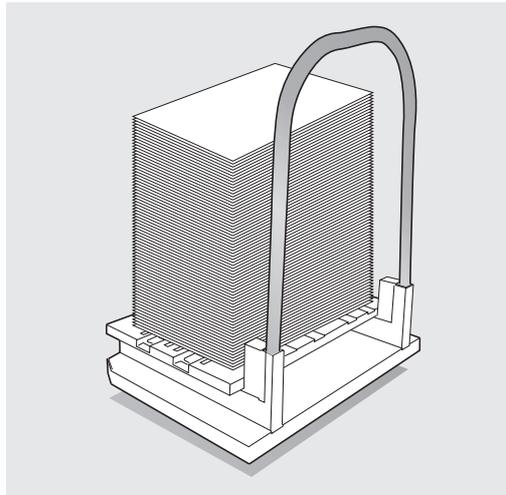
In this printing system, you can select an output tray to use from a list.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-7

Setting a stacker

In this printing system, you can stack a large number of printed documents on a stacker and carry them as using a carriage.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-23
	PostScript PPD driver	p. 10-23
Mac OS X	PS Plug-in Driver	p. 10-23

9.2.3 Printing a number of sets of an original

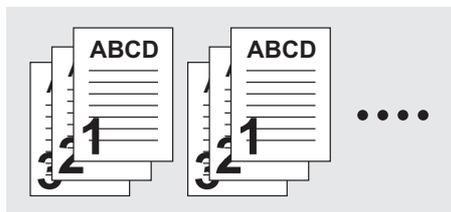
Setting a number of copies

In this printing system, you can set a number of copies in the property screen.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 9-2
	PostScript PPD driver	p. 9-2
Mac OS X	PS Plug-in Driver	p. 9-3

Printing an original by set (Sort)

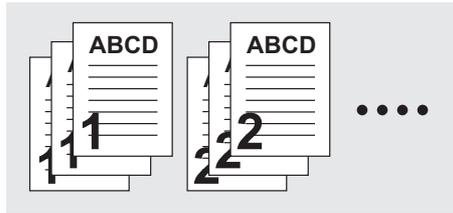
In this printing system, you can print a complete set of an original and repeat the printing of the set for a specified number of times if you want to print more than one set of the original.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 9-2
Mac OS X	PS Plug-in Driver	p. 10-7

Printing an original in a collating order

In this printing system, you can print a specified number of sets of an original page by page.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 9-2
Mac OS X	PS Plug-in Driver	p. 10-7

Offsetting outputted copies by each unit (Offset)

In this printing system, you can offset the outputted copies back and forth in a unit of set or page group when printing more than one set of an original.

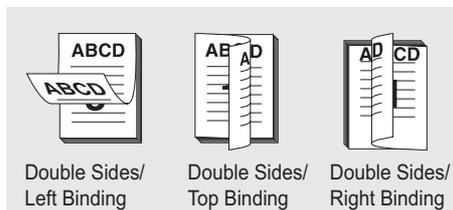


Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-7

9.2.4 Printing more than one page

Setting a 2-sided printing

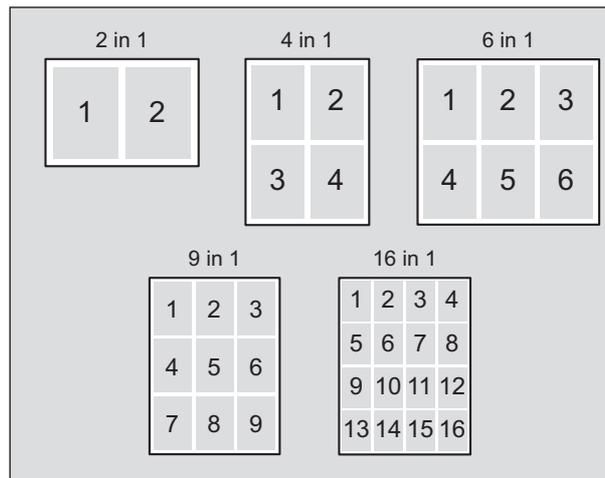
In this printing system, you can print a sequence of pages in both front and back sides of paper.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-6
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-6

Printing more than one page in a sheet of paper (Combination/Layout)

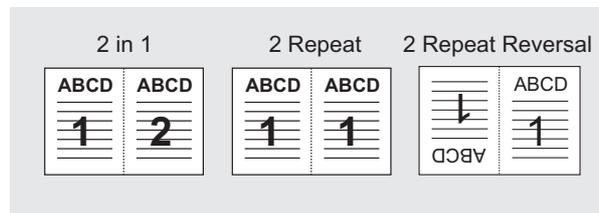
In this printing system, you can print 2, 4, 6, 9 or 16 pages in a sheet of paper.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-6
	PostScript PPD driver	p. 11-5
Mac OS X	PS Plug-in Driver	p. 10-6

Printing 2 pages in a double-sized sheet of paper (Combination)

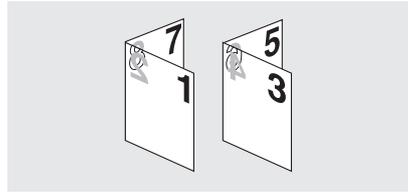
In this printing system, you can print 2 pages in a sheet of which size is double than that specified as the output paper.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-6
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-6

Printing a booklet for folding into two (Booklet)

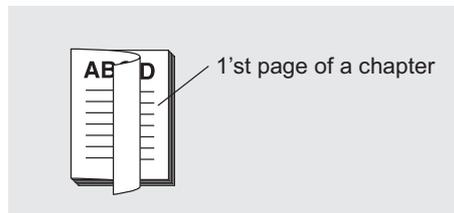
In this printing system, you can print an original in order of pages for creating a booklet when it is folded into two.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-6
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-6

Printing in chapters (Chapter)

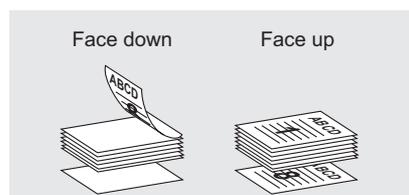
You can print an original with the specified page to be a front side at 2-sided printing.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-11
Mac OS X	PS Plug-in Driver	p. 10-11

Outputting pages with their faces up (Face Up)

In this printing system, you can output printed pages with their faces up when printing more than one page.

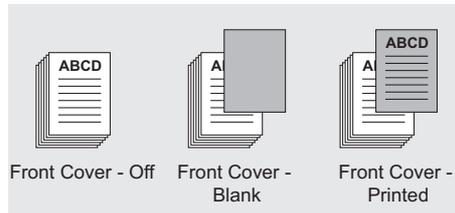


Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-7

9.2.5 Setting a front cover, back cover, interleaf, and cover

Setting a front cover

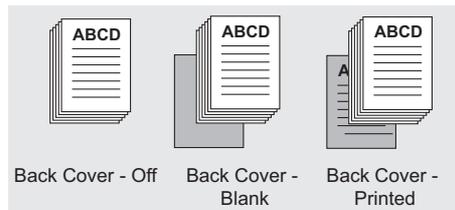
In this printing system, you can set a paper type (e.g. color paper) for a front page that is different with the paper type for other pages.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-10
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-10

Setting a back cover

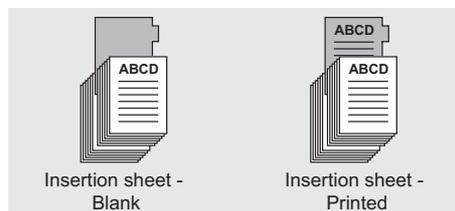
In this printing system, you can set a paper type (e.g. color paper) for a back page that is different with the paper type for other pages.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-10
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-10

Inserting a tab

In this printing system, you can set a tab as an interleaf.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-13
Mac OS X	PS Plug-in Driver	p. 10-13

Setting a cover

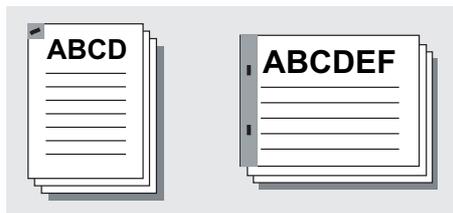
In this printing system, you can output paper that is different with the specified output paper, such as thick paper, as a cover.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-10
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-10

9.2.6 Setting finishing

Setting stapling

In this printing system, you can staple the output paper.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-7

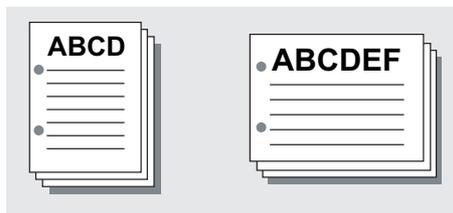
Setting a punch kit

In this printing system, you can register an optional multi folder in a printer driver.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-23
	PostScript PPD driver	p. 10-23
Mac OS X	PS Plug-in Driver	p. 10-23

Setting hole punching

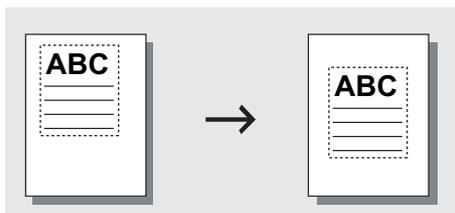
In this printing system, you can hole punch 2, 4, and multi holes on output paper.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-7

Adjusting a print position (Image Shift)

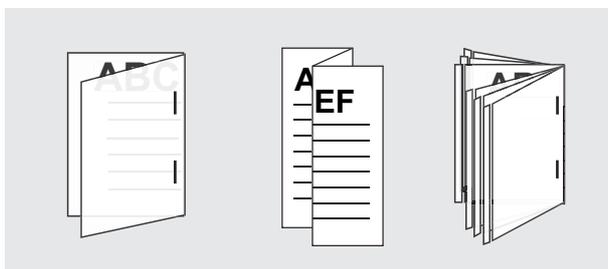
In this printing system, you can adjust the print position of a printing image.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-20
Mac OS X	PS Plug-in Driver	p. 10-20

Setting binding, folding, and trimming

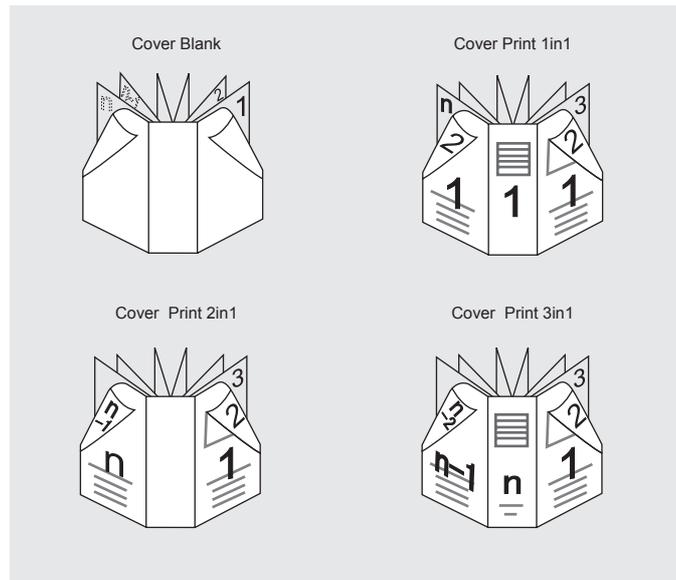
In this printing system, you can output the paper in half-folded, z-folded, tri-folded, half-bound, or trimmed.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-7

Setting a perfect binder

In this printing system, you can set a perfect binder.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-10
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-10

9.2.7 Setting transparent

Creating a transparent pattern (Overlay)

You can create a transparent pattern to print on output paper.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-19
Mac OS X	PS Plug-in Driver	p. 10-19

Printing date/time

In this printing system, you can print date and time on all pages or only the first page.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-21
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-21

Printing a page number

In this printing system, you can print output paper with a page number.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-21
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-21

Printing an original with numbering

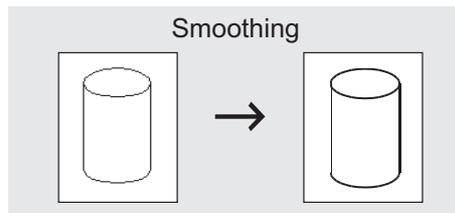
In this printing system, you can print an original with numbering.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-21
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-21

9.2.8 Setting an image

Printing a line smoothly

You can create a transparent pattern to print on output paper.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-18
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-18

Setting a resolution at printing

You can select a resolution either [1200dpi] or [600dpi].

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-18
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-18

9.2.9 Saving and reprinting a job

Saving and printing a job (Save, Print/Save)

You can save a print job in an internal hard disk in the printing system and reprint it as necessary.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-22
	PostScript PPD driver	p. 11-7
Mac OS X	PS Plug-in Driver	p. 10-22

Setting a password for a print job (Secure Print)

You can set a password for a confidential print job for protection.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-22
Mac OS X	PS Plug-in Driver	p. 10-22

10

Print Functions of PS Plug-in Driver

10 Print Functions of PS Plug-in Driver

This chapter describes functions of the PS Plug-in driver using Windows 7 screens.

For basic print method, refer to page 9-2 (Windows) or page 9-3 (Mac OS X).

10.1 Default settings of the printer driver

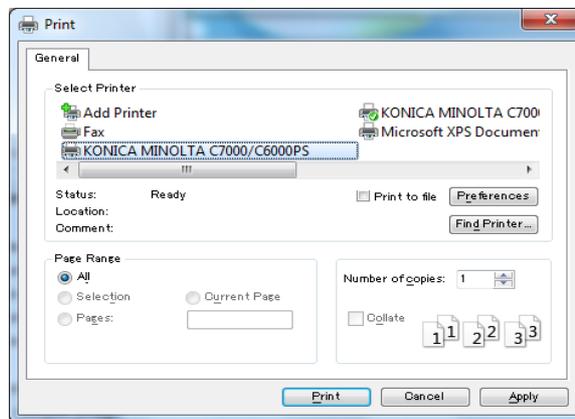
After installing the printer driver, you have to set an optional device in the [Configure] screen before printing.

NOTICE

You cannot use functions of the optional device until setting it in the [Configure] screen. Be sure to set the optional device if there is any.

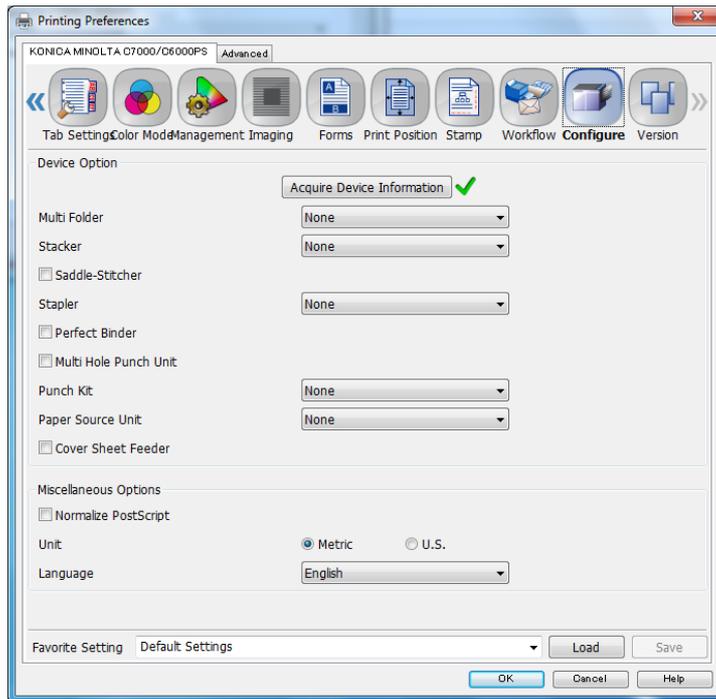
10.1.1 Displaying the Configure screen

- 1 Open the data in the application, and click [File]. Then click [Print] from the menu.
- 2 Select the printer name and click [Preferences].



- 3 Select the [Configure] tab.

- 4 Set the optional device as required and click [OK].



The setting of the optional device is completed.

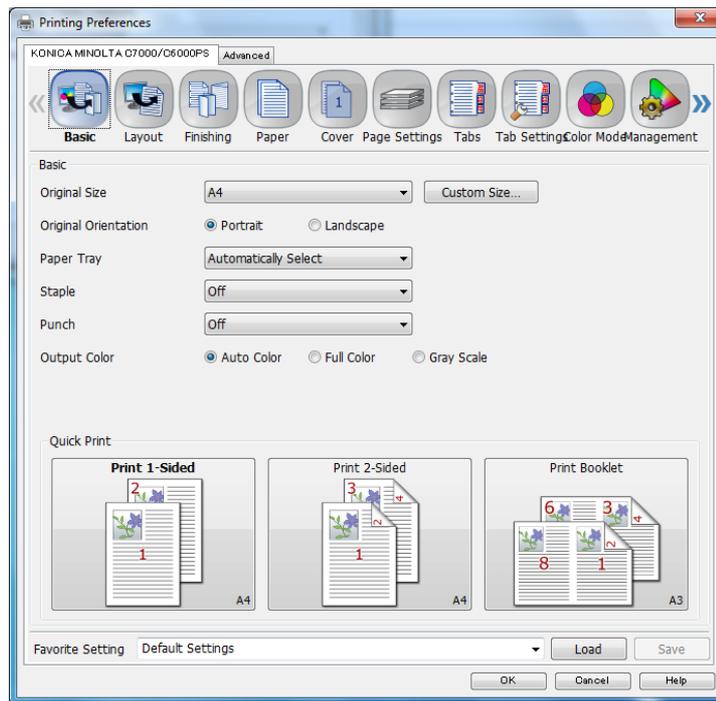


Reference

For details on the [Configure] tab, refer to page 10-23.

10.2 Common Setting

This section describes the settings and buttons common to tabs.

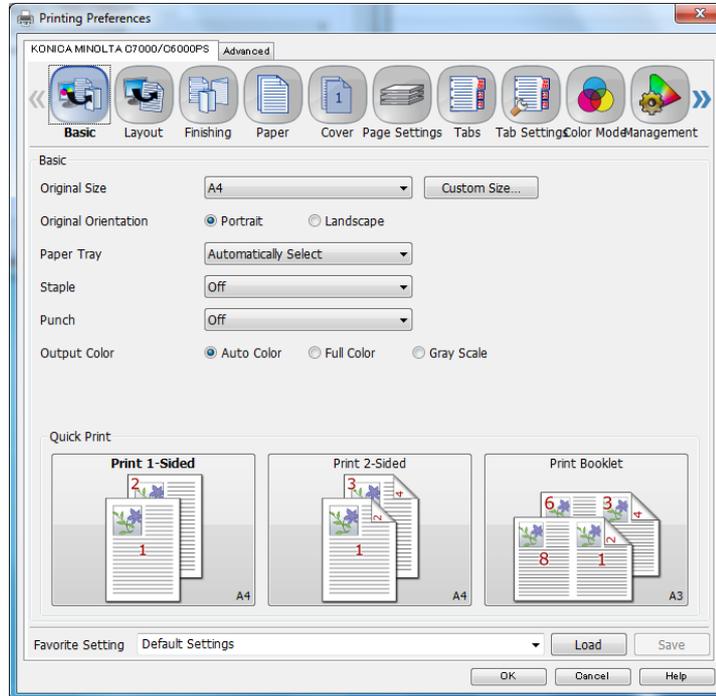


Item Name	Function
[OK]	Click this button to enable changed settings and close the properties window.
[Cancel]	Click this button to disable (cancel) changed settings and close the properties window.
[Help]	Click this button to display Help of the items.
[Load]/[Save](Favorite Setting)	Input a name in the [Favorite Setting] field and click [Save] to register the current setting. To recall the setting, select the name from the [Favorite Setting] pull-down menu and click [Load].

10.3 Parameter details

The Printing Preferences window is the window to configure the printer driver functions. To open this window, in the Print dialog box, click [Properties] (or [Preferences]), or right-click the printer icon in the [Printers], [Devices and Printers], or [Printers and Faxes] window. Then select [Printing Preferences...].

10.3.1 [Basic] tab

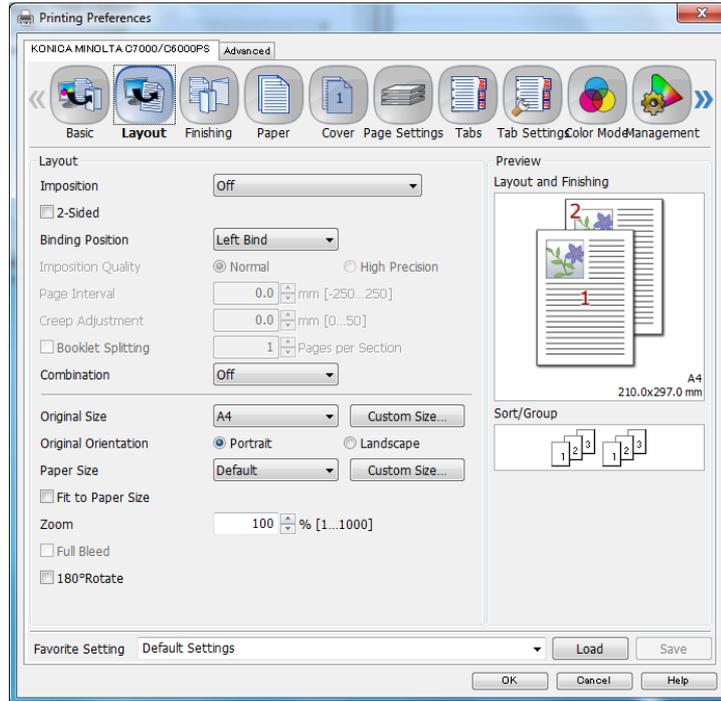


Function Name	Option	Description
[Original Size]	The paper sizes registered as the standard paper sizes and custom sizes	Select the paper size of the original.
	[Custom Size]	Specifies or registers the size.
[Original Orientation]	[Portrait], [Landscape]	Select the orientation for the original.
[Paper Tray]	Automatically Select, Tray 1 - 5, Bypass Tray	Select a paper tray to be used. Selectable items vary depending on the option installation status.
[Staple]	[Off], [Left Corner], [Right Corner], [2 Positions]	Select this check box to specify stapling. From the drop-down list, specify the number of staples and the stapling position.
[Punch]	[Off], [2-Hole], [3-Hole], [4-Hole], [Multi Punch]	Select this check box to specify hole punching. From the drop-down list, specify the number of punches and the punching position.
[Output Color]	[Auto Color], [Full Color], [Gray Scale]	Select the output color.

Reference

- The maximum possible setting in [Custom Size] is "330 x 1200 mm". However, at the factory default setting, the maximum sheet size is "330 x 487 mm". If you wish to specify a long size for banner printing, contact your service representative.

10.3.2 [Layout] tab



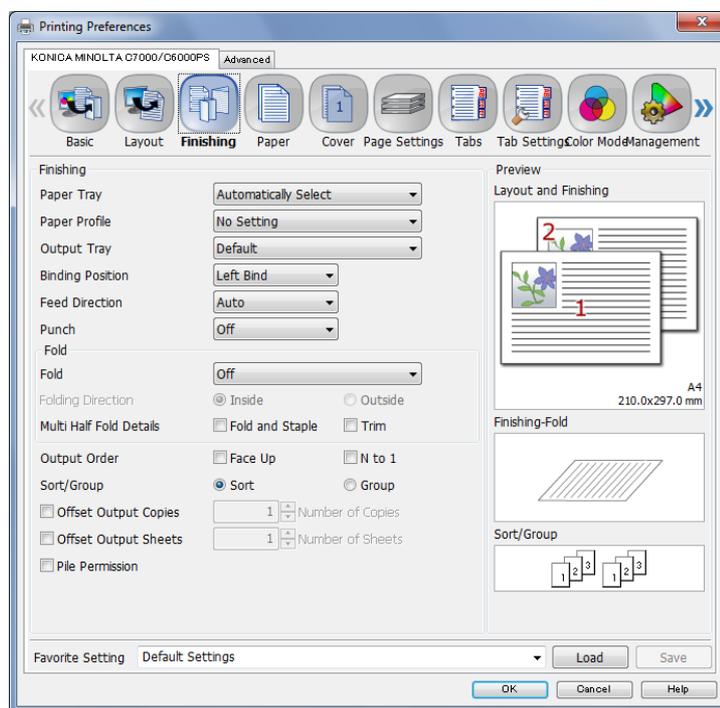
Function Name	Option	Description
[Imposition]	[Off], [Adhesive Binding], [Booklet], [2 in 1 (Full Size)], [2 Repeat], [2 Repeat Reversal (Left)], [2 Repeat Reversal (Right)], [4 Repeat]	Set this to perform an imposition printing.
[2-Sided]	Off, On	Set this to perform a 2-sided printing.
[Binding Position]	[Left Bind], [Right Bind], [Top Bind]	Specify the binding position.
[Imposition Quality]	[Normal], [High Precision]	Set the imposition quality.
[Page Interval]	-250 to 250 mm	Set the interval between book spread pages when setting the imposition function.
[Creep Adjustment]	0 to 50 mm	Set this to adjust the page position if the outer and inner pages do not match at folding using the imposition function.
[Booklet Splitting]	-	Input a number of pages to split a booklet. It inserts a blank page automatically if the value for [Booklet Splitting] is not a multiple of 4.
[Combination]	[2-in-1], [4-in-1], [6-in-1], [8-in-1], [9-in-1], [16-in-1]	Combine more than one pages onto one sheet of paper for printing.
[Original Size]	The paper sizes registered as the standard paper sizes and custom sizes	Select the paper size of the original.
	[Custom Size]	Specifies or registers the size.
[Original Orientation]	[Portrait], [Landscape]	Select the orientation for the original.
[Paper Size]	The paper sizes registered as the standard paper sizes and custom sizes	Set a paper size.

Function Name	Option	Description
[Fit to Paper Size]	Off, On	Set this to print an original fitting to paper if their sizes are different.
[Zoom]	1 to 1000%	Select an enlarge or reduce ratio.
[Full bleed]	Off, On	Prints in the original image without blank borders.
[180° Rotate]	Off, On	Select this check box to rotate the document 180 to print.

Reference

- The maximum possible setting in [Custom Size] is "330 x 1200 mm". However, at the factory default setting, the maximum sheet size is "330 x 487 mm". If you wish to specify a long size for banner printing, contact your service representative.

10.3.3 [Finishing] tab



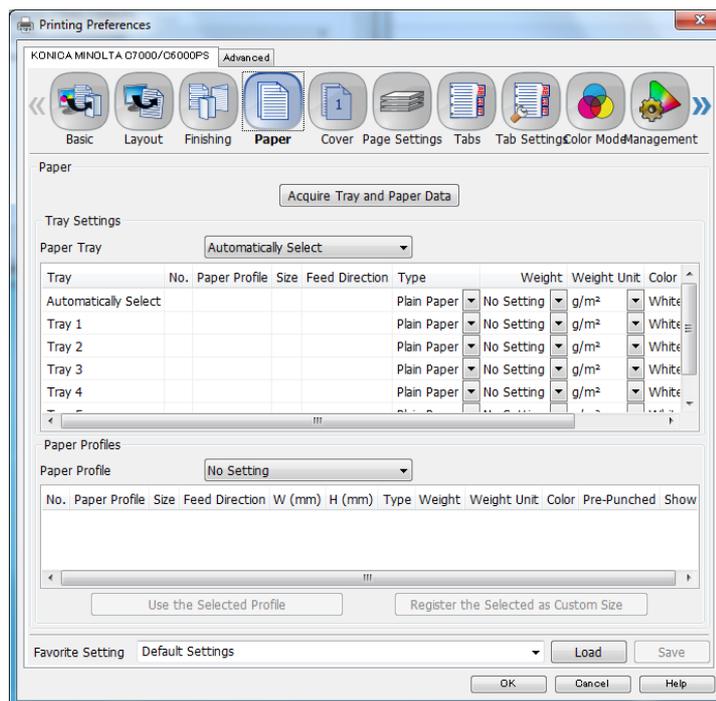
Function Name	Option	Description
[Paper Tray]	Automatically Select, Tray 1 - 5, Bypass Tray	Select a paper tray to be used. Selectable items vary depending on the option installation status.
[Paper Profile]	No Setting, Registered paper profile	Selects predefined paper profile. You can add a new paper profile to the list from the control panel on this machine.
[Output Tray]	[Default], [Main Tray], [Sub Tray]	Specify the tray to output the printed pages. Selectable items vary depending on the option installation status.
[Binding Direction]	[Left Bind], [Right Bind], [Top Bind]	Specify the binding position.
[Feed Direction]	[Auto], [Long Edge], [Short Edge]	Set a direction to feed paper.
[Staple]	[Off], [Corner], [Left Corner], [Right Corner], [2 Positions]	Select this check box to specify stapling. From the drop-down list, specify the number of staples and the stapling position. When [Binding Position] is [Top Bind], [Left Corner] and [Right Corner] can be specified.

Function Name	Option	Description
[Punch]	[Off], [2-Hole], [3-Hole], [4-Hole], [Multi Punch]	Select this check box to specify hole punching. From the drop-down list, specify the number of punches and the punching position.
[Fold]	[Off], [Half-Fold], [Z-Fold], [Tri-Fold], [Tri-Fold-Out], [Double Parallel-Fold], [Gate-Fold], [Multi Half-Fold], [Multi Tri-Fold]	Set the fold function. From the drop-down list, specify the folding condition.
	[Folding Direction]	Set the folding direction.
	[Multi Half Fold Details]	When [Multi Half-Fold] is selected, [Fold and Staple] and [Trim] can be set.
[Output Order]	[Face Up]	Select [Face Up] to output printed paper with its face up.
	[N to 1]	If you want to print an original in a reverse order, select [N to 1].
[Sort/Group]	[Sort], [Group]	Select this check box to collate pages sequentially when printing multiple sets of copies.
[Divide Output]	Off, On	Set this to output a job with it divided.
	[Pages per Section]	Select a unit when dividing a job.
[Offset Output Copies]	Off, On	Stagger after each set of copies specified.
[Offset Output Sheets]	Off, On	Stagger after the number of pages specified.
[Pile Permission]	Off, On	Set this to allow to pile up when there is a printed document on a stacker.

Reference

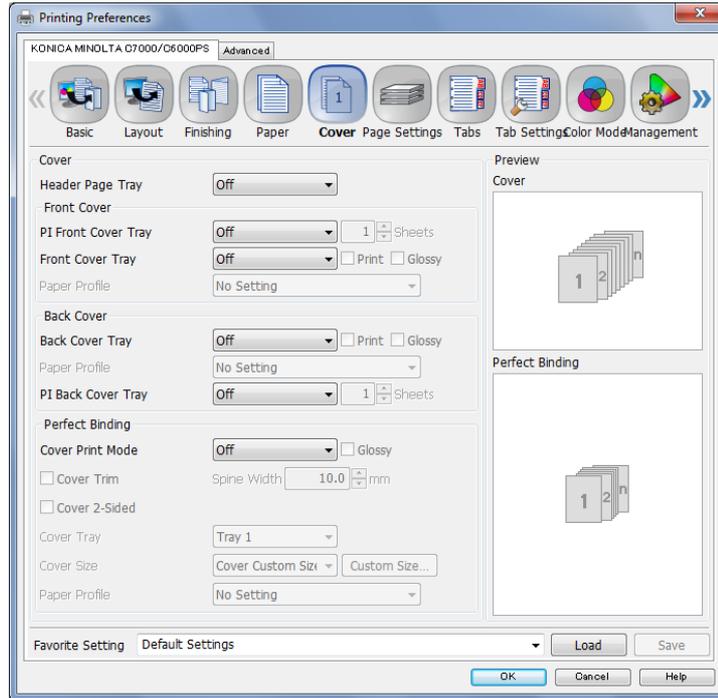
- The [Staple] function is available only when an optional stapler is installed.
- The [Punch] function is available only when an optional Punch Kit, Multi Folder, or Multi Hole Punch Unit is installed.
- The [Fold] function is available when an optional finisher **FS-612**, **FD-503**, **SD-506** are installed.
- The [Pile Permission] is available only when Stacker is installed.

10.3.4 [Paper] tab



Function Name	Option	Description
[Acquire Tray and Paper Data]	-	It displays the settings for paper type, weight, color, and pre-punched paper defined in this machine.
[Paper Tray]	Automatically Select, Tray 1 - 5, Bypass Tray	Select a paper tray to be used. Selectable items vary depending on the option installation status.
[Paper Type]	[Plain Paper], [Color Specific], [Fine], [Coated GL], [Coated ML], [Coated GO], [Coated MO]	Specify a paper type.
[Weight]	[No Setting], [64-74g/m ²], [75-80g/m ²], [81-105g/m ²], [106-135g/m ²], [136-162g/m ²], [163-209g/m ²], [210-256g/m ²], [257-300g/m ²]	Set weight of output paper.
[Weight Unit]	[g/m ²], [Duodecimo], [Octavo], [Bond], [Index], [Cover]	Set a unit of weight.
[Color]	[White], [Non-White]	Specify color of output paper.
[Pre-Punched]	Off, On	Select this check box to print on pre-punched paper.
[Paper Profiles]	[No Setting], [Registered paper profile]	Selects predefined paper profile. You can add a new paper profile to the list from the control panel on this machine.
[Use the Selected Profile]	-	Use a selected paper profile.
[Register the Selected as]	-	Register a custom paper size.

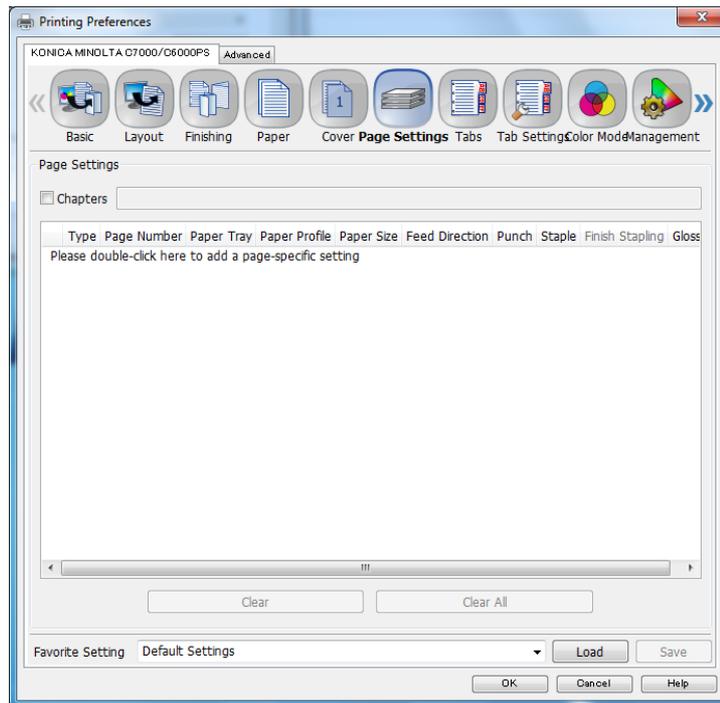
10.3.5 [Cover] tab



Function Name	Option	Description
[Header Page Tray]	Off, Auto, Tray 1 - 5, Bypass Tray	Set a tray from which a header page is inserted.
[PI Front Cover Tray]	Off, PI Tray 1-2	Select when printing a different type of paper, such as thick paper, for the Front Cover.
[Front Cover Tray]	Off, Tray 1 - 5, Bypass Tray	Specify a tray for a front cover.
	[Print]	Select this check box to print on a front cover.
	[Glossy]	Select this check box to print a front cover in glossy mode.
[Paper Profile] (Front cover)	[No Setting], [Registered paper profile]	Selects predefined paper profile. You can add a new paper profile to the list from the control panel on this machine.
[Back Cover Tray]	Off, Tray 1 - 5, Bypass Tray	Specify a tray for a back cover.
	[Print]	Select this check box to print on a back cover.
	[Glossy]	Select this check box to print a back cover in glossy mode.
[Paper Profile] (Back cover)	[No Setting], [Registered paper profile]	Selects predefined paper profile. You can add a new paper profile to the list from the control panel on this machine.
[PI Back Cover Tray]	Off, PI Tray 1-2	Select when printing a different type of paper, such as thick paper, for the Back Cover.
[Cover Print Mode]	[Off], [Cover Blank], [Cover Print 1in1], [Cover Print 2in1], [Cover Print 3in1]	Set this when using a perfect binder function.
[Glossy]	Off, On	Set this when printing a cover in glossy mode for a perfect binder.
[Cover Trim]	Off, On	Set this when trimming a cover for a perfect binder.
[Spine Width]	1.0 - 30.0 mm	Set the width of a spine. The initial setting is 10.0mm at default.

Function Name	Option	Description
[Cover 2-Sided]	Off, On	Set this when setting a duplex cover for a perfect binder.
[Cover Tray]	Off, Tray 1-5, PI Tray 1-2, PB Cover Tray, Bypass Tray	You can set a cover tray for a perfect binder.
[Cover Size]	-	Set the cover size. Click [Custom Size] to set a custom size for the cover.
[Paper Profile] (Perfect Binding)	-	Set a paper profile.

10.3.6 [Page Settings] tab

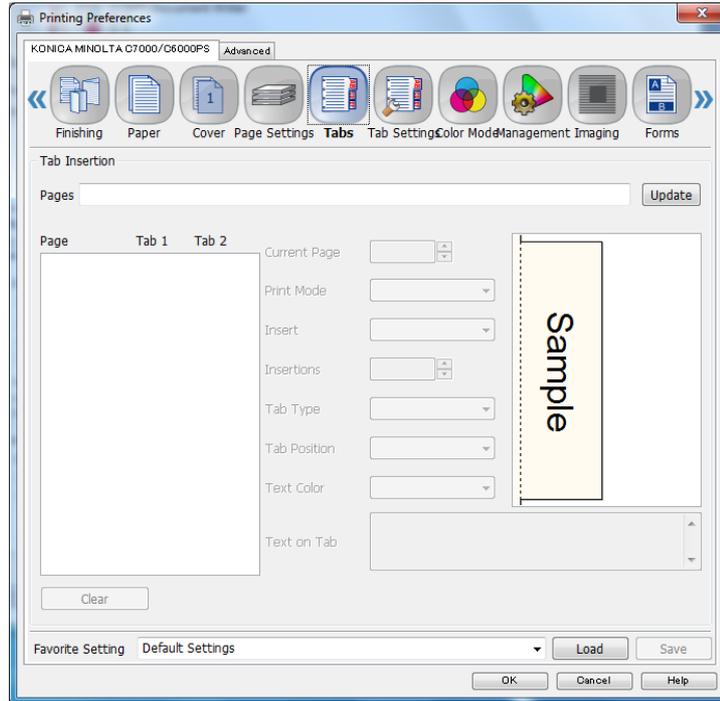


You can set paper and print settings for each page.

Function Name	Option	Description
[Chapters]	Off, On	Select this check box to specify the page to be printed on the front side. It can be specified when Print Type is [2-Sided].

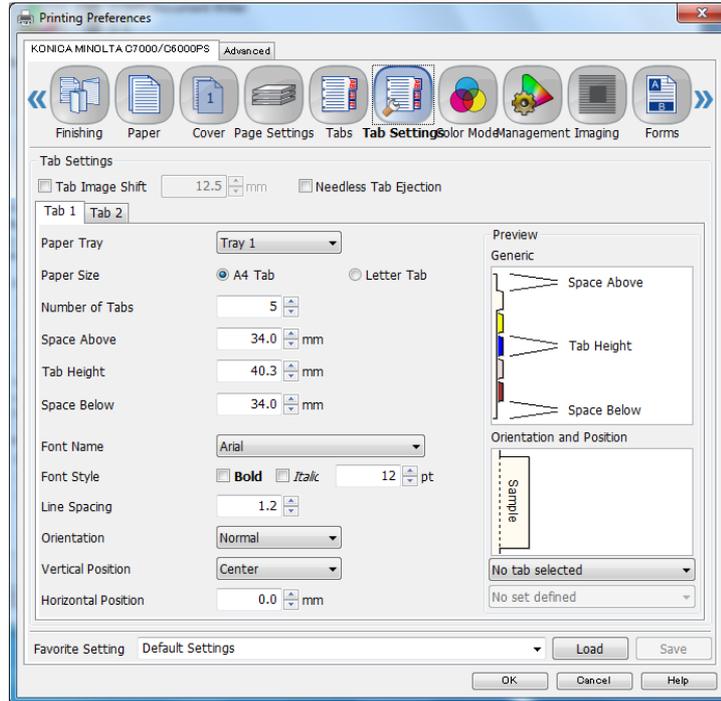
Function Name	Option	Description
Page Setting	[Type]	Set a print type for a page specified in [Page Number]. Select [Same as Body] to apply the setting for the original.
	[Page Number]	Set the page number for setting Page Settings.
	[Paper Tray]	Set a print tray for a page specified in [Page Number]. When [Auto] is selected, paper is supplied according to the tray priority specified on the control panel.
	[Paper Profile]	Set a paper profile for a page specified in [Page Number].
	[Paper Size]	Set a paper size for a page specified in [Page Number]. Select [Same as Body] to apply the setting for the original.
	[Feed Direction]	Set a feed direction for a page specified in [Page Number]. Long Edge is prioritized when [Auto] is selected.
	[Number of Sheets]	Set a number of white sheets to insert in a page specified in [Page Number].
	[Punch]	Set a punch hole for a page specified in [Page Number]. Select [Same as Body] to apply the setting for the original.
	[Staple]	Set a staple for a page specified in [Page Number]. Select [Same as Body] to apply the setting for the original.
	[Finish Stapling]	Check when sectioning staples.
	[Glossy]	Set a glossy mode for a page specified in [Page Number]. Select [Same as Body] to apply the setting for the original.
[Clear]	Clear the selected page settings.	
[Clear All]	Clear all page settings.	

10.3.7 [Tabs] tab



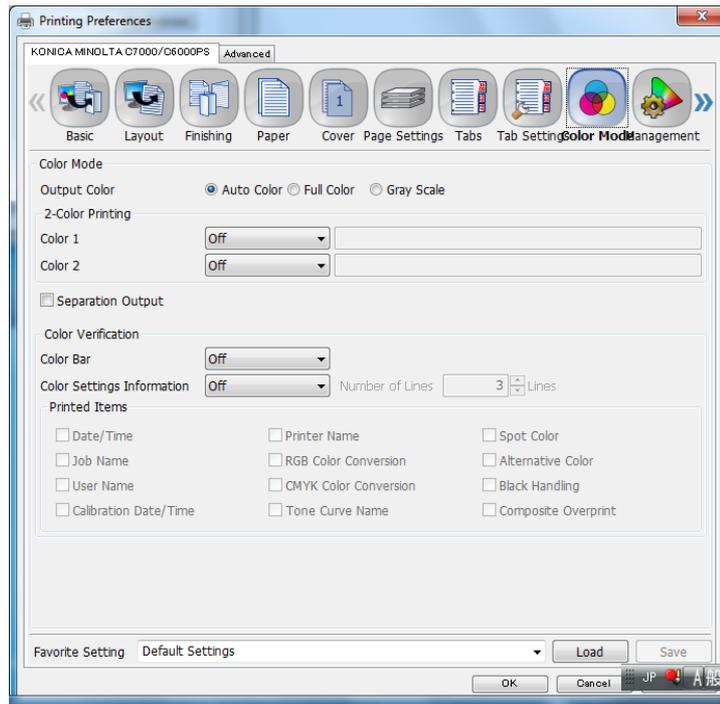
Function Name	Option	Description
[Pages]	-	Specify a page to insert a tab. To apply the setting, click [Update].
[Current Page]	-	You can change the page for the selected tab.
[Print Mode]	[Print on Tab], [Print on Body]	Specify whether to print on tab or body.
[Insert]	[Off], [Before], [After]	Specify whether to insert a blank tab before or after the page.
[Insertions]	-	Specify a number of blank tabs to insert.
[Tab Type]	[Tab 1], [Tab 2]	Specify the tab type.
[Tab Position]	Auto, 1/1 - 15/15	Specify the tab position.
[Text Color]	[Black], [Silver], [Gray], [Maroon], [Red], [Purple], [Magenta], [Green], [Lime], [Olive], [Yellow], [Navy], [Blue], [Teal], [Cyan]	Specify color of a text on a tab.
[Text on Tab]	-	Input a text on a tab.

10.3.8 [Tab Settings] tab



Function Name	Option	Description
[Tab Image Shift]	Off, On	Select this check box to shift an image on a tab to the right. It can be set from 10.0 mm to 15.0 mm.
[Needless Tab Ejection]	Off, On	Select this check box to eject a needless tab to an output tray.
[Tab 1]/[Tab 2]	-	You can define 2 types of tab. For example, 5 for [Tab 1] and 15 for [Tab 2].
[Paper Tray]	Tray 1 - 5, Bypass Tray	Select a paper tray for a tab.
[Paper Size]	[A4 Tab], [Letter tab]	Select a paper size for a tab.
[Number of Tabs]	-	Specify a number of tabs.
[Space Above]	-	Input the value for [Space Above].
[Tab Height]	-	Input the value for [Tab Height].
[Space Below]	-	Input the value for [Space Below].
[Font Name]	-	Specify a font for a tab character.
[Style]	[Bold], [Italic], [point]	Specify a style for a tab character.
[Line Spacing]	-	Specify a spacing between tab characters.
[Orientation]	[Normal], [Flipped], [Horizontal], [Vertical]	Specify a direction of a tab character.
[Vertical Position]	[Top], [Center], [Bottom]	Specify a vertical position of a tab character.
[Horizontal Position]	-	Specify a horizontal position of a tab character. By default, the tab character is placed at the center to the tab.

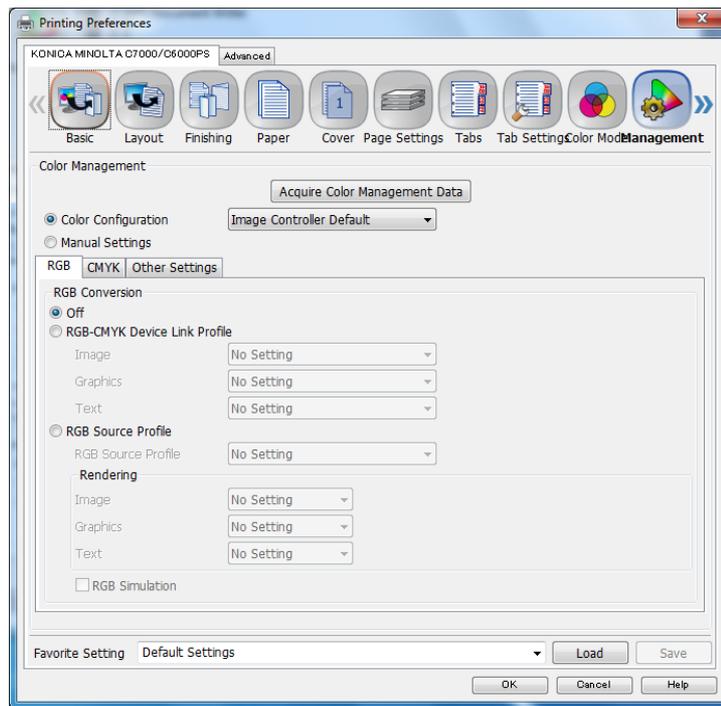
10.3.9 [Color Mode] tab



Function Name	Option	Description
[Output Color]	[Auto Color], [Full Color], [Gray Scale]	Select the output color.
[2-Color Printing]	[Color 1], [Color 2]	Specify 2 colors (Cyan, Magenta, Yellow, Black) in [Color 1] and [Color 2] to print in 2 colors.
[Separation Output]	Off, On	Print cyan, magenta, yellow, and black separately for each proof.
[Color Bar]	[Off], [Left], [Top], [Right], [Bottom]	Specify a print position for [Color Bar].
[Color Settings Information]	[Off], [Left], [Top], [Right], [Bottom]	Specify a print position for [Color Settings Information].
[Number of Lines]	1 - 5	Specify a number of lines for [Color Settings Information].
[Print Item]	[Date/Time]	Select this check box to print [Date/Time] for [Color Settings Information].
	[Job Name]	Select this check box to print [Job Name] for [Color Settings Information].
	[User Name]	Select this check box to print [User Name] for [Color Settings Information].
	[Calibration Date/Time]	Select this check box to print [Calibration Date/Time] for [Color Settings Information].
	[Printer Name]	Select this check box to print [Printer Name] for [Color Settings Information].
	[RGB Color Conversion]	Select this check box to print [RGB Color Conversion] for [Color Settings Information].
	[CYMK Color Conversion]	Select this check box to print [CYMK Color Conversion] for [Color Settings Information].
	[Tone Curve Name]	Select this check box to print [Tone Curve Name] for [Color Settings Information].
	[Spot Color]	Set this to print [Spot Color] for [Color Settings Information].

Function Name	Option	Description
	[Alternative Color]	Select this check box to print [Alternative Color] for [Color Settings Information].
	[Black Handling]	Select this check box to print [Black Handling] for [Color Settings Information].
	[Composite Overprint]	Select this check box to print [Composite Overprint] for [Color Settings Information].

10.3.10 [Color Management] tab



Function Name	Option	Description
[Acquire Color Management Data]	-	Press this to obtain information on color configuration, profile, tone curve, and default setting registered by the image controller.
[Color Configuration]	[No Setting], [Registered color configurations.]	Set whether to use the color configuration in the image controller or not.
[Manual Settings]	Off, On	Select this check box to set color manually without using the color configuration.
[RGB Conversion]	Off	Select this check box not to set the RGB color conversion. When using an embedding profile, select [Off].
[RGB-CMYK Device Link Profile]		Set it for [Image], [Graphics], and [Text].
[RGB Source Profile]		Select a source profile and set [Rendering].
[Rendering]		Set [Perceptual] and [Saturation] for [Image], [Graphics], and [Text].
[RGB Simulation]		Set [RGB Simulation].

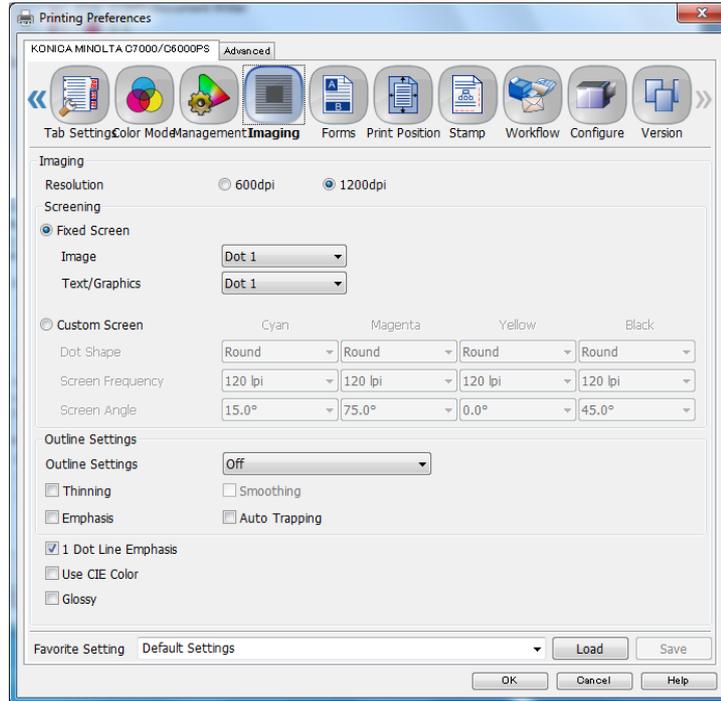
Function Name	Option	Description
[CMYK Conversion]	[Off]	Select this check box not to set the CMYK color conversion. When using an embedding profile, select [Off].
	[CMYK-CMYK Device Link Profile]	Set it for [Image], [Graphics], and [Text].
	[CMYK Target Profile]	Select a target profile.
	[Paper Simulation]	Set [Paper Simulation].
[Other Settings]	[Printer Profile]	Set a printer profile. Select [Paper Type Link] to apply a profile that is appropriate for the paper type.
	[Tone Curve]	Set a tone curve.
	[Pure Black]	Set this to print a black region only with a black toner.
	[Gray Replacement]	Set this to print a gray area (R, G, and B are equivalent) only with a black toner.
	[Black Overprint]	Set this to prevent white space being generated around an object by overprinting it.
	[Spot Color]	Print color that is set in an application in adjusted CMYK values.
	[Alternative Color]	Convert color to the other color based on the setting defined in the image controller.
	[Composite Overprint]	Overprint an object that is set to be overprinted in an application.



Reference

The function of the [Color Management] tab is about the same with those for [Color Default Settings] for "ColorCentro". For details, refer to "User's Guide ColorCentro (IC-601)".

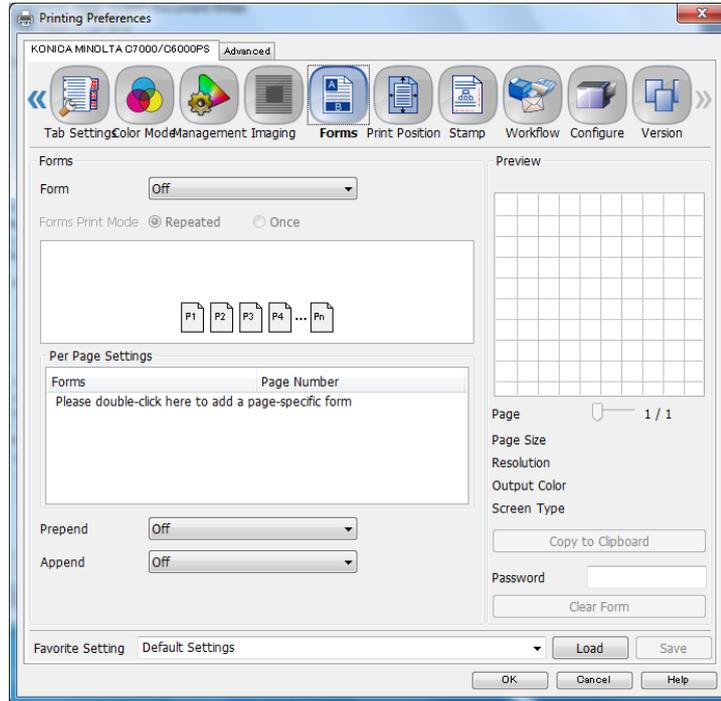
10.3.11 [Imaging] tab



Function Name	Option	Description
[Resolution]	[600dpi], [1200dpi]	Select a resolution.
[Image] (Fixed Screen)	[Dot 1], [Dot 2], [Line 1], [Line 2], [Stochastic]	Specify Screening. <ul style="list-style-type: none"> When selecting [Stochastic], specify the [Resolution] as 600dpi. When selecting [Dot 2], [Line 1] or [Line 2], [Permission] needs to be selected in [User Setting] - [Image Quality Setting] - [Screen] at [Utility/Counter] of the copier. When 1200dpi is set as the [Resolution], the settings for both [Image] and [Text/Graphics] will be the same.
[Text/Graphics] (Fixed Screen)	[Dot 1], [Dot 2], [Line 1], [Line 2], [Stochastic]	Specify Screening. <ul style="list-style-type: none"> When selecting [Stochastic], specify the [Resolution] as 600dpi. When selecting [Dot 2], [Line 1] or [Line 2], [Permission] needs to be selected in [User setting] - [Image Quality Setting] - [Screen] at [Utility/Counter] of the copier. When 1200dpi is set as the [Resolution], the settings for both [Image] and [Text/Graphics] will be the same.
[Custom Screen]	[Dot Shape], [Screen Frequency], [Screen Angle]	Set them for cyan, magenta, yellow, and black.
[Outline Settings]	[Off], [Text/Graphics], [Text/Graphics/Image]	Select outline settings.
[Thinning]	Off, On	Select this check box to set thinning. It can prevent a small character becoming unreadable.
[Smoothing]	Off, On	Select this check box to set smoothing. [Smoothing] is available only when [600dpi] and [Thinning] are selected.
[Emphasis]	Off, On	Select this check box to set the outline emphasizing function.
[Auto Trapping]	Off, On	Select this check box to set the auto trapping function.

Function Name	Option	Description
[1 Dot Line Emphasis]	Off, On	Select this check box to emphasis an ultrafine line.
[Use CIE Color]	Off, On	Select this check box to use a CIE color space at printing in gray scale.
[Glossy]	Off, On	Select this check box to set a glossy mode.

10.3.12 [Forms] tab

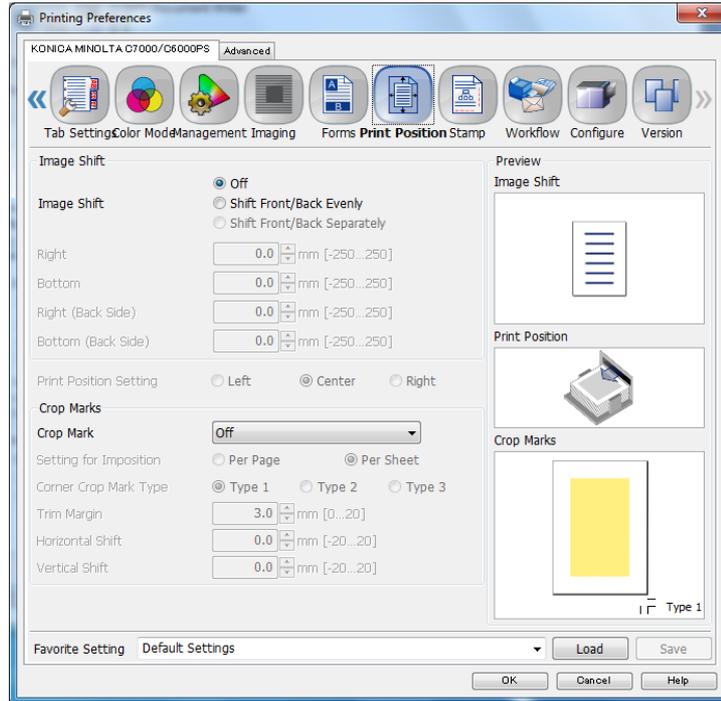


The form image file can be superimposed.

Select [WorkFlow] tab - [Print Mode] - [From] to save a form file. For details, refer to page 10-22.

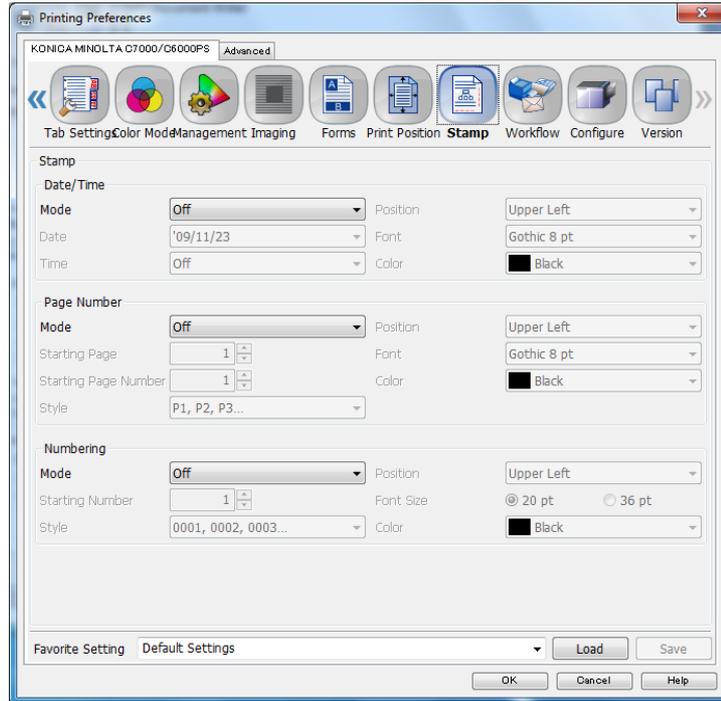
Function Name	Option	Description
[Form]	[Off], [Registered form name.]	Set the form function.
[Form Print Mode]	[Repeated], [Once]	Select [Repeated] to overlay all form pages repeatedly in order from the first page on a printing document. Select [Once] to overlay all forms pages only once in order from the first page on a printing document.
[Per Page Settings]	[Form], [Page Number]	You can set an overlay on a page basis. However, the maximum number will be different depending on the selected form and page.
[Prepend]	[Off], [Registered form name.]	Set the selected form before the current job.
[Append]	[Off], [Registered form name.]	Set the selected form after the current job.
[Copy to Clipboard]	-	Click to copy the preview page to the clipboard. You can check a layout by pasting the image from the clipboard onto a printing document.
[Clear Form]	-	Click to clear the selected form from the image controller. You need to input a password to clear the form. The password is set in the machine. For details, refer to page 13-9.

10.3.13 [Print Position] tab



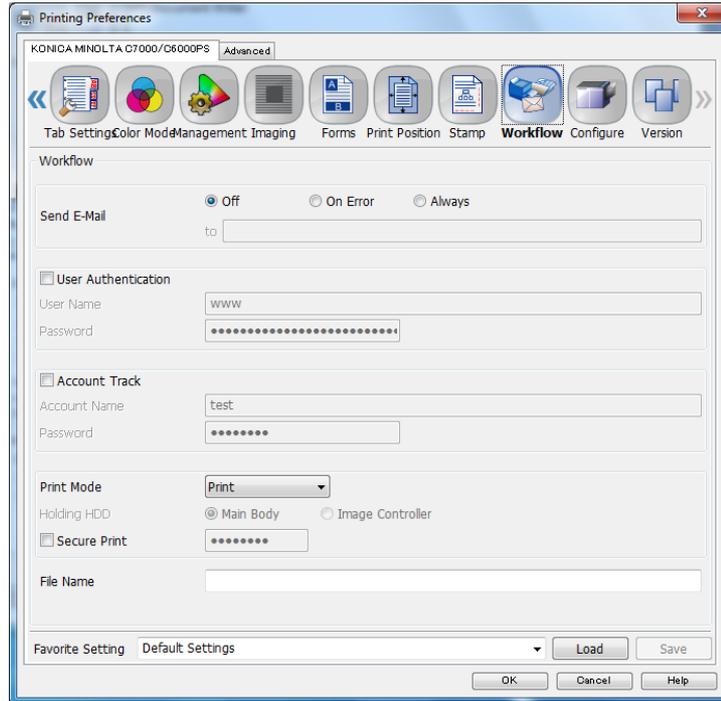
Function Name	Option	Description
[Image Shift]	[Off], [Shift Front/Back Evenly], [Shift Front/Back Separately]	Set [Right] and [Bottom] to shift a position of a print image. Set [Right] to shift the output image horizontally. (Positive value: shift to the right, negative value: shift to the left) Set [Bottom] to shift the output image perpendicularly. (Positive value: shift to the bottom, negative value: shift to the top)
[Print Position Setting]	[Left], [Center], [Right]	Set a print position if the output size is larger than the original size.
[Crop Mark]	[Off], [Corner], [Center], [Corner/Center]	Set this to print a crop on paper.
[Setting for Imposition]	[Per Page], [Per Sheet]	Specify whether to print a crop for imposition per page or per sheet.
[Corner Crop Mark Type]	[Type 1], [Type 2], [Type 3]	Specify a type of a corner crop. [Type 1]:  [Type 2]:  [Type 3]: 
[Trim Margin]	0 to 20.0 mm	A position can be shifted while displaying a preview.
[Horizontal Shift]	-20.0 to 20.0 mm	A position can be shifted while displaying a preview.
[Vertical Shift]	-20.0 to 20.0 mm	A position can be shifted while displaying a preview.

10.3.14 [Stamp] tab



Function Name	Option	Description
[Date/Time]	[Mode]	Select [1st Page Only] or [All Pages] when printing [Date/Time].
	[Date]	Specify a notation of date when printing [Date/Time].
	[Time]	Specify a notation of time when printing [Date/Time].
	[Position]	Specify a position when printing [Date/Time].
	[Font]	Specify a font when printing [Date/Time].
	[Color]	Specify text color when printing [Date/Time].
[Page Number]	[Mode]	Specify [All Pages], [Other than 1st Page], or [Other than 1st/Last Page] when printing [Page Number].
	[Starting Page]	Specify a page to start printing the number when printing [Page Number]. 1-99999 page(s) can be input.
	[Starting Page Number]	Specify the starting page number when printing [Page Number]. 1-99999 page(s) can be input.
	[Style]	Specify a notation of a page number when printing [Page Number].
	[Position]	Specify a position when printing [Page Number].
	[Font]	Specify a font when printing [Page Number].
	[Color]	Specify text color when printing [Page Number].
[Numbering]	[Mode]	Select [1st Page Only] or [All Pages] when printing [Numbering].
	[Starting Number]	Specify a starting number when printing [Numbering]. 1-9999 page(s) can be input.
	[Style]	Specify a notation of numbering when printing [Numbering].
	[Position]	Specify a position when printing [Numbering].
	[Font Size]	Specify a font size when printing [Numbering].
	[Color]	Specify text color when printing [Numbering].

10.3.15 [WorkFlow] tab



Function Name	Option	Description
[Send E-mail]	[Off], [On Error], [Always]	Set this to send an E-mail to a specified address after completing a print job.
[User Authentication]	[User Name], [Password], [Again]	Set a user name and password to a print job if the user authentication function is enabled in the machine. You need to input the user name and password to print if [User Authentication] is checked. Enter [User Name] with 1 to 64 characters. Enter [Password] with 1 to 64 characters.
[Account Track Settings]	[Account Name], [Password], [Again]	Set an account name and password to a print job if the user authentication function is enabled in the machine. This identification information is used to track the number of printouts. You need to input the account name and password to print if [Account Track] is checked. Enter [Account Name] with up to 8 alphanumeric characters. Enter [Password] with 1 to 8 alphanumeric characters.
[Print Mode]	[Print], [Spool], [Hold], [Print and Hold], [Form]	Select a print method. When anything other than [Print] is specified, the print job is saved on the HDD. If you select [Form], you can save an image file to the image controller and use it as a background in the [Form] tab for this driver.
[Secure Print]	[Password], [Again]	When [Hold] or [Print and Hold] is selected in [Print Mode], [Secure Print]. A password is set to a print job if you check [Secure Print]. To print the job, you need to input the password on the control panel on this machine. Enter the password with 1 to 8 alphanumeric characters.
[File Name]	-	Specify a name if you want to specify a name other than the file name of the original.

Important

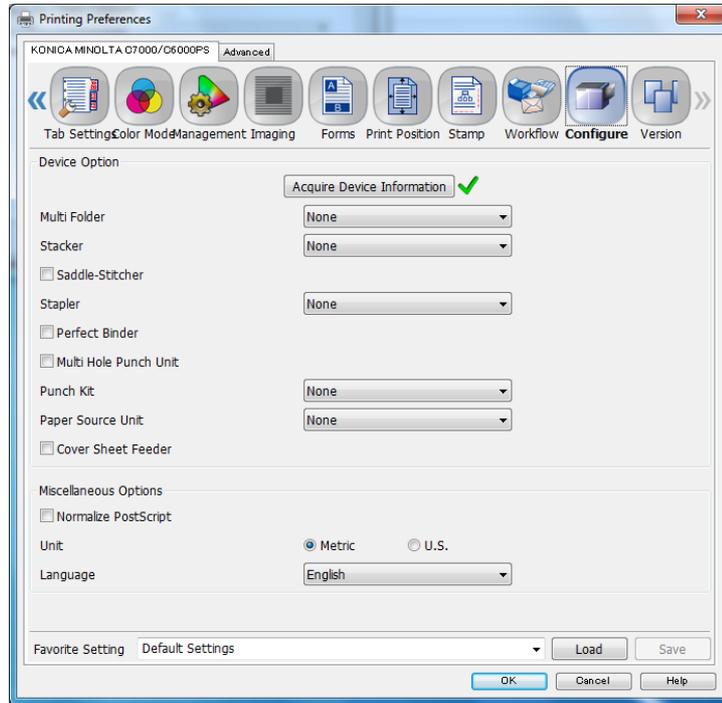
- Selecting [Default Settings] in [Favorite Setting] does not clear the settings of [User Authentication], [Account Track Setting], and [Secure Print]. To clear the settings, you need to input the other values manually.



Reference

For details on [Print Mode], refer to p. 12-2.

10.3.16 [Configure] tab

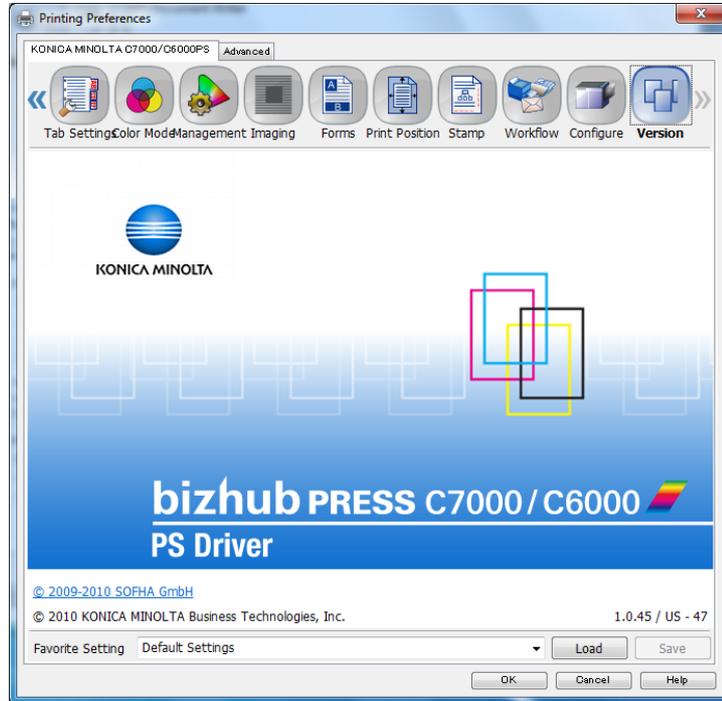


Item Name	Function
[Obtain Device Information]	Press this to detect an optional device installed on this machine.
[Multi Folder]	You can set the punch, PI cover sheet, and fold functions.
[Stacker]	You can stack a large number of printed documents on a stacker.
[Saddle-Stitcher]	You can use functions such as [Fold and Staple], [Fold and Staple + Trim], and [Multi Half-Fold].
[Stapler]	You can use the staple function.
[Perfect Binder]	You can use the perfect binder function.
[Multi Hole Punch]	You can use the multi-hole punch function.
[Punch Kit]	You can use the punch function.
[Paper Source Unit]	You can use the tray 4 - 5, or Bypass tray as the paper tray.
[Cover Sheet Feeder]	Coated paper etc. can be inserted in order for the heat from the copier from interfering.
[Normalize PostScript]	Set this if you use a tool having the PostScript driver in its application.
[Unit]	Specify a unit.
[Language]	Specify a language.
[MacOS Keychain]	User Name and Password can be registered with key chain access when setting [User Authentication] and [Account Track].

**Reference**

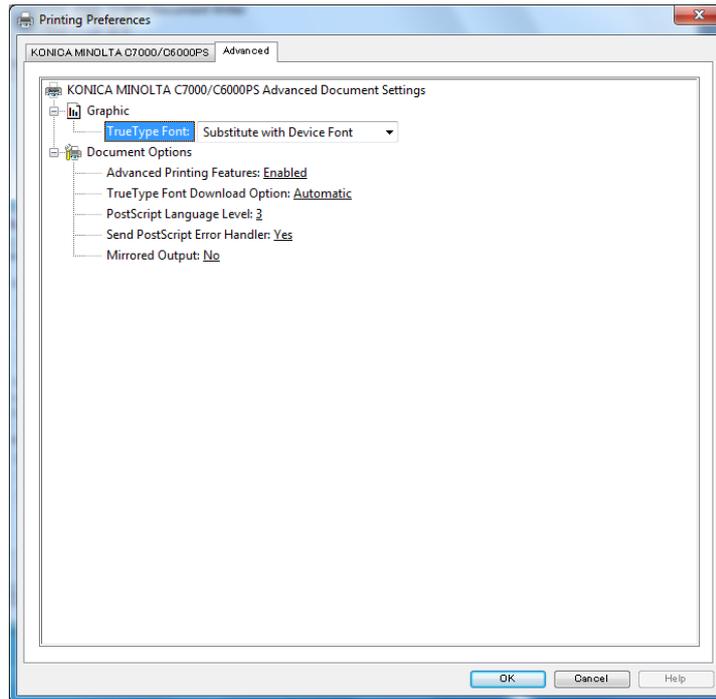
For details on the paper sizes loadable in the paper trays, refer to [User's Guide (Copier)].

[Normalize PostScript] and [Language] are only for Windows whereas [MacOS Keychain] is only for Mac OS X.

10.3.17 [Version] tab

You can check the version of this driver.

10.3.18 [Advanced] tab



You can set options for PostScript in the [Advanced] tab.

Function Name	Option	Description
[TrueType Font]	[Substitute with Device Font], [Download as Softfont]	Set this to substitute a font with a TrueType font. Select [Substitute with Device Font] if you want the printer to select a similar font instead of downloading the font set. It can shorten the printing time; however, a special character that is not included in the substituted font may be garbled. Select [Download as Softfont] to download the TrueType font to the printer.
[Advanced Printing Features]	[Enabled], [Disabled]	Specify whether to enable or disable the advanced printing features.
[TrueType Font Download Option]	[Automatic], [Outline], [Bitmap], [Native TrueType]	Specify the download mode of a TrueType font.
[PostScript Language Level]	2 - 3	Specify a PostScript language level. The higher the PostScript language level is, the more functions become available. You may achieve an proper compatibility by lowering the PostScript language level if you print an incompatible document.
[Send PostScript Error Handler]	[Yes], [No]	Specify whether to send a PS error message or not. Select [Yes] to output an error message from a printer at a print error.
[Mirrored Output]	[Yes], [No]	Specify whether to perform a mirrored print or not.

11

**Print functions of PPD driver
for Windows**

11 Print functions of PPD driver for Windows

This chapter describes the functions of the PPD printer driver for Windows.

For detailed information on the basic print methods, refer to page 9-2.

11.1 Default settings of the printer driver

After installing the printer driver, you have to configure installable options in the [Device Setting] screen before printing.

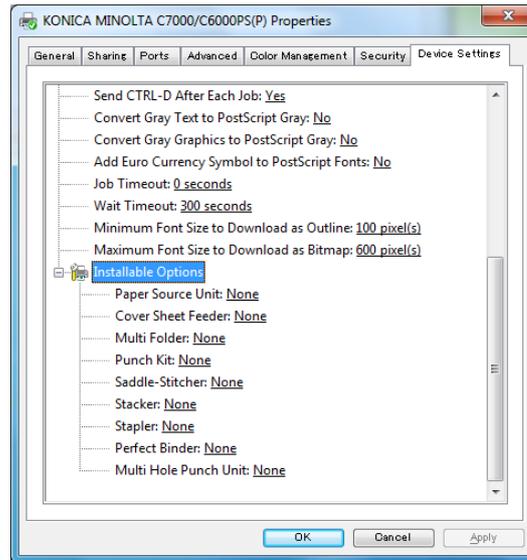
NOTICE

Any options that are installed in this machine but not configured in the [Device Setting] tab cannot be used in the [Printing Preferences] screen of the printer driver. Be sure to set the optional device if there is any.

11.1.1 Displaying the Properties window

- 1** Open the [Printers], [Devices and Printers], or [Printers and Faxes] window.
 - In Windows Vista/Server 2008, click [Start], open [Control Panel], and then click [Printers] in [Hardware and Sound]. When [Control Panel] is displayed in Classic View, double-click [Printers].
 - In Windows 7, click [Start], then [Devices and Printers].
 - In Windows 7, if [Devices and Printers] is not displayed in the [Start] menu, open [Control Panel] from the [Start] menu, and select [View devices and printers] under [Hardware and Sound].
 - In Windows XP/Server 2003, click [Start], then [Printers and Faxes].
 - In Windows XP/Server 2003, if [Printers and Faxes] is not displayed in the [Start] menu, open [Control Panel] from the [Start] menu, select [Printers and Other Hardware], then [Printers and Faxes]. When [Control Panel] is displayed in Classic View, double-click [Printers].
 - In Windows 2000, click [Start], and then select [Settings] – [Printers].
- 2** Open [Printer Properties].
 - In Windows 2000/XP/Vista/Server 2003/Server 2008, right-click the icon of the installed printer, and click [Properties].
 - In Windows 7, right-click the icon of the installed printer, and click [Printer Properties].

11.1.2 [Device Settings] tab



You can set an option to use and make it available for the printer driver.

11.1.3 Registering the default settings

The settings for the machine functions configured when printing can only be applied while using the application. When you exit the application, the settings return to their default settings.

To register the settings, change the printer driver basic settings (default settings).

- 1 Open the [Devices and Printers], [Printers], or [Printers and Faxes] window.
 - In Windows Vista/Server 2008, click [Start], open [Control Panel], and then click [Printers] in [Hardware and Sound]. When [Control Panel] is displayed in Classic View, double-click [Printers].
 - In Windows 7, click [Start], then [Devices and Printers].
 - In Windows 7, if [Devices and Printers] is not displayed in the [Start] menu, open [Control Panel] from the [Start] menu, and select [View devices and printers] under [Hardware and Sound].
 - In Windows XP/Server 2003, click [Start], then [Printers and Faxes].
 - In Windows XP/Server 2003, if [Printers and Faxes] is not displayed in the [Start] menu, open [Control Panel] from the [Start] menu, select [Printers and Other Hardware], then [Printers and Faxes]. When [Control Panel] is displayed in Classic View, double-click [Printers].
 - In Windows 2000, click [Start], and then select [Settings] – [Printers].
- 2 Right-click the icon of the installed printer, and click [Printing Preferences...].
The [Printing Preferences] dialog box of the printer appears.
- 3 Change the settings of the function, and then click [OK] to exit the function.
The changed settings are applied when the printer is used by all of the application software.

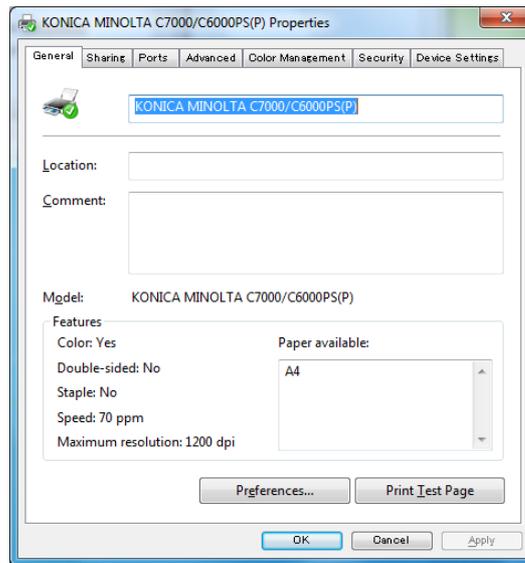


Reference

For details on the function and settings of the printer driver, refer to page 10-5.

11.2 Common Setting

This section describes the settings and buttons common to tabs.



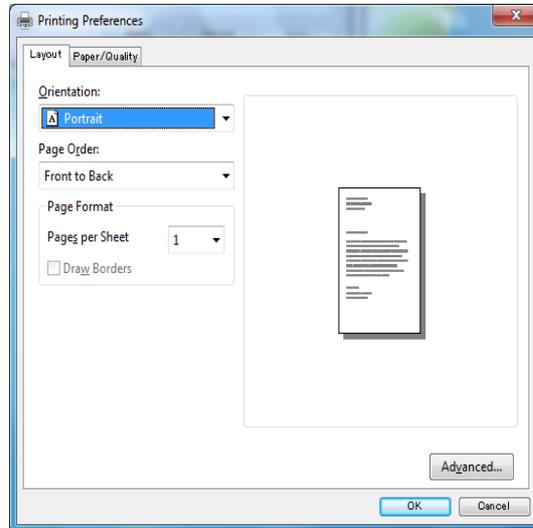
Item Name	Function
[OK]	Click this button to enable changed settings and close the properties window.
[Cancel]	Click this button to disable (cancel) changed settings and close the properties window.
[Apply]	Check this button to save the current tab setting.

11.3 Parameter details

The Printing Preferences window is the window to configure the printer driver functions. To open this window, in the Print dialog box, click [Properties] (or [Preferences]), or right-click the printer icon in the [Printers], [Devices and Printers], or [Printers and Faxes] window. Then select [Printing Preferences...].

11.3.1 [Layout] tab

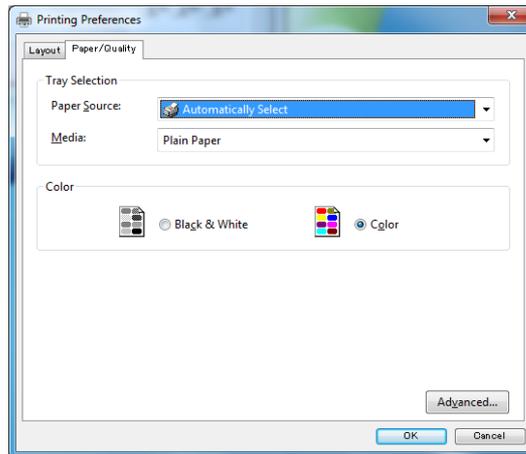
You can set the print orientation, page order, and number of pages per sheet.



Function Name	Option	Description
[Orientation]	[Portrait], [Landscape], [Rotated Landscape]	Select the orientation for the original.
[Page Order]	[Front to Back], [Back to Front]	Specify a page order to print.
[Pages per Sheet]	1, 2, 4, 6, 9, 16	Specify a number of pages allocated on one sheet.
	[Draw Borders]	Set a border between allocated pages.
[Advanced Options]		Press this button to display the Advanced Options window.

11.3.2 [Paper/Quality] tab

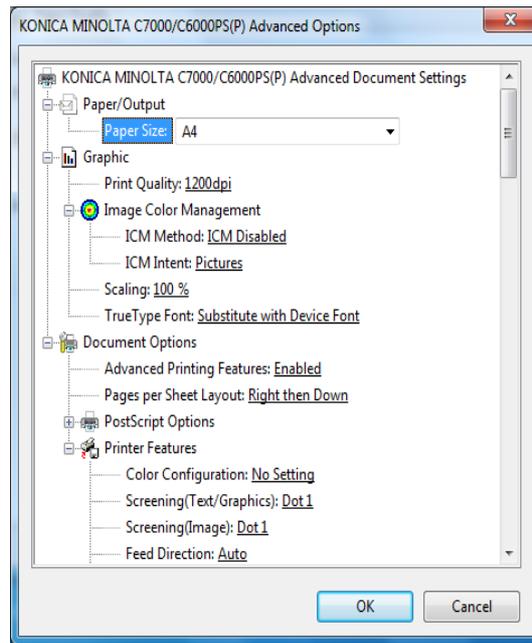
You can set a paper source and paper type.



Function Name	Option	Description
[Paper Source]	Tray 1 - 5, Manual Feed	Select a paper tray.
[Media]	[Plain Paper], [Coated GL], [Coated GO], [Coated ML], [Coated MO], [Fine], [Color Specific]	Specify a paper type.
[Color]	[Black & White], [Color]	Specify whether to print in black and white or color.
[Advanced Options]		Press this button to display the Advanced Options window.

11.3.3 [Advanced Options] window

You can specify the printer's advanced functions.



Function Name	Option	Description
[Paper Size]	All paper sizes available in this machine	Set a paper size.
[Print Quality]	[600dpi], [1200dpi]	Select a resolution.
[ICM Method]	[ICM Disabled], [ICM Handled by Host System], [ICM Handle by Printer], [ICM Handle by Printer using printer calibration]	Select an ICM method.
[ICM Intent]	[Graphics], [Pictures], [Proof], [Match]	Specify an intent of ICM.
[Scaling]	1 to 1000%	Select an enlarge or reduce ratio.
[TrueType Font]	[Substitute with Device Font], [Download as Softfont]	Specify an output method of a TrueType font.
[Advanced Printing Features]	[Enabled], [Disabled]	Set this to enable the [Pages per Sheet Layout] function.
[Pages per Sheet Layout]	[Right then Down], [Down then Right], [Left then Down], [Down then Left]	Set this to enable the [Pages per Sheet Layout] function.
[PostScript Output Option]	[Optimize for Speed], [Optimize for Portability], [Encapsulated PostScript (EPS)], [Archive Format]	Configure an output option for PostScript. For details, refer to the PostScript guide.
[TrueType Font Download Option]	[Automatic], [Outline], [Bitmap], [Native TrueType]	Set an download option for a TrueType font.
[PostScript Language Level]	1 - 3	Set a PostScript language level.
[Send PostScript Error Handler]	[Yes], [No]	Set whether to send a PostScript error handler or not.
[Mirrored Output]	[Yes], [No]	Set [Mirrored Output].
[Color Configuration]	[No Setting], [Image Controller Default]	Set whether to use the color configuration in the image controller or not.
[Screening (Text/Graphics)]	Dot 1 - 2, Line 1 - 2, Stochastic	Set screening for a text and graphic.

Function Name	Option	Description
[Screening (Image)]	Dot 1 - 2, Line 1 - 2, Stochastic	Set screening setting for an image.
[Feed Direction]	[Auto], [Long Edge], [Short Edge]	Set a direction to feed paper.
[Offset]	Off, On	Offsetting by each set at printing.
[Print Position Setting]	[Off], [Left], [Center], [Right]	Specify the print position.
[Weight]	No Setting, 64-74g/m ² , 75-80g/m ² , 81-105g/m ² , 106-135g/m ² , 136-162g/m ² , 163-209g/m ² , 210-256g/m ² , 257-300g/m ²	Set weight of output paper.
[Colored Paper]	[White], [Non-White]	Specify color of output paper.
[Pre-Punched]	Off, On	Select this check box to print on pre-punched paper.
[Output Tray]	[Default], [Stapler Main Tray], [Stapler Sub Tray], [Stacker Auto], [Stacker 1 Main Tray], [Stacker 1 Sub Tray], [Stacker 2 Main Tray], [Stacker 2 Sub Tray], [Saddle-Stitcher Sub Tray], [Multi Folder Main Tray], [Multi Folder Sub Tray], [Perfect Binder Sub Tray]	Select an output tray.
[Face Up]	Off, On	Set this to output printed paper with its face up.
[N to 1]	Off, On	Set this to print an original in a reverse order.
[Pile Permission]	Off, On	Set this to allow to pile up when there is a printed document on a stacker.
[Binding Position]	[Left Bind], [Top Bind], [Right Bind], [Left Bind (Landscape)], [Top Bind (Landscape)], [Right Bind (Landscape)]	Set a position to bind when using a function such as [Staple] and [Punch].
[Print Type]	[1-Sided], [2-Sided]	Select whether to print in 2-sided mode.
[Imposition]	[Off], [Booklet], [Adhesive Binding], [2 in 1], [Repeat], [2 Repeat Reversal (Left)], [2 Repeat Reversal (Right)], [2 Repeat Reversal (Top)], [2 Repeat Reversal (Bottom)], [4 Repeat]	Set this to perform an imposition printing.
[Staple]	[Off], [Left Corner], [Right Corner], [2 Positions]	Set this to staple paper.
[Punch]	[Off], [2-Hole], [3-Hole], [4-Hole], [Multi Punch]	Set this to punch paper.
[Fold]	[Off], [Z-Fold (A3, B4, 11x17, 8K)], [Z-Fold (8 1/2x14)], [Fold & Staple], [Fold & Staple + Trim], [Half-Fold - Inside], [Half-Fold - Outside], [Tri-Fold - Inside], [Tri-Fold - Outside], [Tri-Fold - Out - Inside], [Tri-Fold - Out - Outside], [Double Parallel-Fold - Outside], [Double Parallel-Fold - Inside], [Gate-Fold - Inside], [Gate-Fold - Outside], [Multi Tri-Fold - Inside], [Multi Tri-Fold - Outside], [Multi-Half-Fold - Inside], [Multi-Half-Fold - Inside + Trim], [Multi-Half-Fold - Outside], [Multi-Half-Fold - Trim]	Set the fold function.

Function Name	Option	Description
[180° Rotate]	Off, On	Select this check box to rotate the document 180 to print.
[Front Cover]	[Off], [Print], [Blank]	Set this to add a front cover.
[Front Cover Tray]	Off, Tray 1 - 5, Manual Feed	Specify a tray for a front cover.
[Front Cover-Glossy]	Off, On	Set this to print a front cover in glossy mode.
[Back Cover]	[Off], [Print], [Blank]	Set this to add a back cover.
[Back Cover Tray]	Off, Tray 1 - 5, Manual Feed	Specify a tray for a back cover.
[Back Cover-Glossy]	Off, On	Set this to print a back cover in glossy mode.
[PI Front Cover Tray]	Off, Tray 1-2	Set this to print a front cover on paper that is different with the output paper, such as thick paper.
[PI Back Cover Tray]	Off, Tray 1-2	Set this to print a back cover on paper that is different with the output paper, such as thick paper.
[Perfect Binding Setting]	[Off], [Cover Blank], [Cover Print 1in1], [Cover Print 2in1], [Cover Print 3in1]	Set this when using a perfect binder function.
[Perfect Binding Glossy]	Off, On	Set this when printing a cover in glossy mode for a perfect binder.
[Perfect Binding Cover Tray]	Off, Tray 1-5, PI Tray 1-2, PB Cover Tray, Bypass Tray	You can set a cover tray for a perfect binder.
[Perfect Binding Cover Duplex]	Off, On	Set this when printing a duplex cover for a perfect binder.
[Perfect Binding Cover Trim]	Off, On	Set this when trimming a cover for a perfect binder.
[Print Mode]	[Print], [Spool], [Hold], [Print and Hold], Form	Select a print method. When anything other than [Print] is specified, the print job is saved on the HDD.
[Output Color]	[Auto Color], [Full Color], [Gray Scale]	Select the output color.
[Outline Settings]	[Off], [Text/Graphics], [Text/Graphics/Image]	Select outline settings.
[Thinning]	Off, On	Select this check box to set thinning. It can prevent a small character becoming unreadable.
[Smoothing]	Off, On	Select this check box to set smoothing. [Smoothing] is available only when [600dpi] and [Thinning] are selected.
[Emphasis]	Off, On	Select this check box to use the outline emphasizing function.
[Auto Trapping]	Off, On	Select this check box to set the auto trapping function.
[1 Dot Line Emphasis]	Off, On	Select this check box to emphasis an ultrafine line.
[Separation Output]	Off, On	Print cyan, magenta, yellow, and black separately for each proof.
[Use CIE Color]	Off, On	Select this check box to use a CIE color space at printing in gray scale.
[Glossy]	Off, On	Set the glossy function for the machine.
[Rendering (Text)]	[Perceptual], [Saturation]	Set rendering of a text.
[Rendering (Graphics)]	[Perceptual], [Saturation]	Set rendering of a graphic.

Function Name	Option	Description
[Rendering (Image)]	[Perceptual], [Saturation]	Set rendering of an image.
[Paper Simulation]	Off, On	Set Paper Simulation.
[Printer Profile]	[No Setting], [Paper Type Link]	Set a printer profile. Select [Paper Type Link] to apply a profile that is appropriate for the paper type.
[Spot Color]	Off, On	Print color that is set in an application in adjusted CMYK values.
[Pure Black]	[Off], [Text], [Text/Graphics]	Set this to print a black region only with a black toner.
[Gray Replacement]	Off, On	Set this to print a gray region only with a black toner.
[Black Overprint]	Off, On	Set this to prevent white space being generated around an object by overprinting it.
[Alternative Color]	Off, On	Convert color to the other color based on the setting defined in the image controller.
[Composite Overprint]	Off, On	Overprint an object that is set to be overprinted in an application.
[Date/Time]	[Off], [All Pages], [1st Page Only]	Set this when printing date/time.
[Font]	Mincho 8 - 14 points Gothic 8 - 14 points	Specify a font to print [Date/Time].
[Position]	[Top Left], [Left], [Bottom Left], [Top], [Center], [Bottom], [Top Right], [Right], [Bottom Right]	Specify a position to print [Date/Time].
[Date]	['10/11/23], [Nov 23,2010], [11/23/'10], [23 Nov,2010], [23/11/'10]	Specify a notation for [Date].
[Time]	[None], [1:23PM], [13:23]	Specify a notation for [Time].
[Color]	[Black], [Red], [Green], [Blue], [Yellow], [Magenta], [Cyan]	Specify text color for [Date/Time].
[Color Settings Information]	[Off], [Left], [Top], [Right], [Bottom]	Specify the print position for [Color Settings Information].
[Number of Lines]	1 - 5	Specify a number of lines for [Color Settings Information].
[Printed Items - Date/Time]	Off, On	Set this to print [Date/Time] for [Color Settings Information].
[Printed Items - Job Name]	Off, On	Set this to print [Job Name] for [Color Settings Information].
[Printed Items - User Name]	Off, On	Set this to print [User Name] for [Color Settings Information].
[Printed Items - Calibration Date/Time]	Off, On	Set this to print [Calibration Date/Time] for [Color Settings Information].
[Printed Items - Printer Name]	Off, On	Set this to print [Printer Name] for [Color Settings Information].
[Printed Items - RGB Color Conversion]	Off, On	Set this to print [RGB Color Conversion] for [Color Settings Information].
[Printed Items - CYMK Color Conversion]	Off, On	Set this to print [CYMK Color Conversion] for [Color Settings Information].

Function Name	Option	Description
[Printed Items - Tone Curve Name]	Off, On	Set this to print [Tone Curve Name] for [Color Settings Information].
[Printed Items - Spot Color]	Off, On	Set this to print [Spot Color] for [Color Settings Information].
[Printed Items - Alternative Color]	Off, On	Select this check box to print [Alternative Color] for [Color Settings Information].
[Printed Items - Black Treatment]	Off, On	Set this to print [Black Treatment] for [Color Settings Information].
[Printed Items - Composite Overprint]	Off, On	Set this to print [Composite Overprint] for [Color Settings Information].
[Color Bar]	None, Left, Top, Right, Bottom	Specify a print position for [Color Bar].

Reference

- The [Staple] function is available only when an optional stapler is installed.
- The [Punch] function is available only when an optional Punch Kit, Multi Folder, or Multi Hole Punch Unit is installed.
- The [Fold] function is available when an optional finisher **FS-612**, **FD-503**, **SD-506** are installed.
- The [Pile Permission] is available only when Stacker is installed.



Reference

For details on the paper sizes loadable in the paper trays, refer to [User's Guide (Copier)].

For details on [Print Mode], refer to page 12-2.

12

Function Details

12 Function Details

This chapter describes the functions that require special attention, for example, when combining the printer driver and panel operation of the machine.

12.1 Secure Print

The Secure Print function saves print jobs in the Secure Print User Box of the machine. Because a job is output only by entering a password from the control panel, it is helpful for outputting highly confidential documents.

The Secure Print function can be specified using the printer driver when printing, and printing can be performed from the control panel.

In order to prevent information leakage, you can restrict the printings done on this machine only to the secure printing.



Reference

For details on setting the printer driver, refer to page 10-22.

12.1.1 Setting the printer driver

The following two printer drivers support this feature.

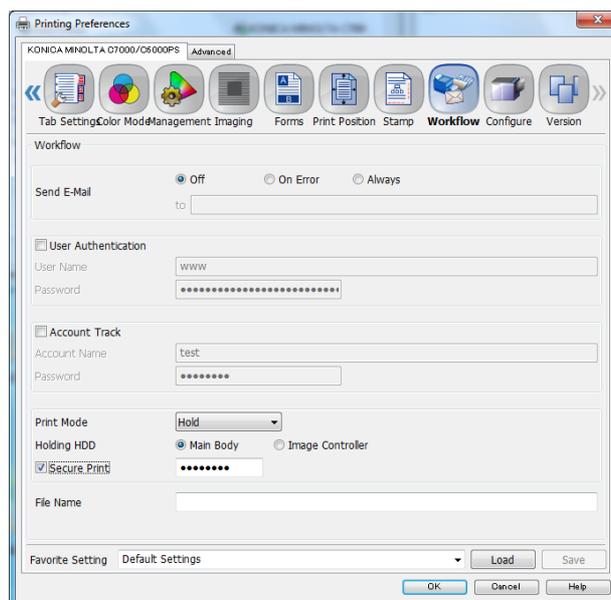
- PS Plug-in driver for Windows
- PS Plug-in driver for Mac OS X

Perform printing with the following settings specified.

- Checking the [Secure Print] check box in the [Workflow] panel

How to print

- 1 Display the [WorkFlow] tab.
- 2 Check [Secure Print].



→ It uses the screens from Windows 7 in the description.

- 3 Input [Password] and input it again in the [Again] field.

→ When [Password Rules] is enabled on the machine, the passwords that can be used for secure printing are limited. If a password that does not comply with the password rules is entered, the job is deleted. For details on the [Password Rules], refer to [User's Guide (Copier)].

- 4 Click [OK] to start printing.

12.1.2 Calling a job from the control panel

A [Secure Print] job is stored in [Hold Job] in the [JOB LIST] tab.

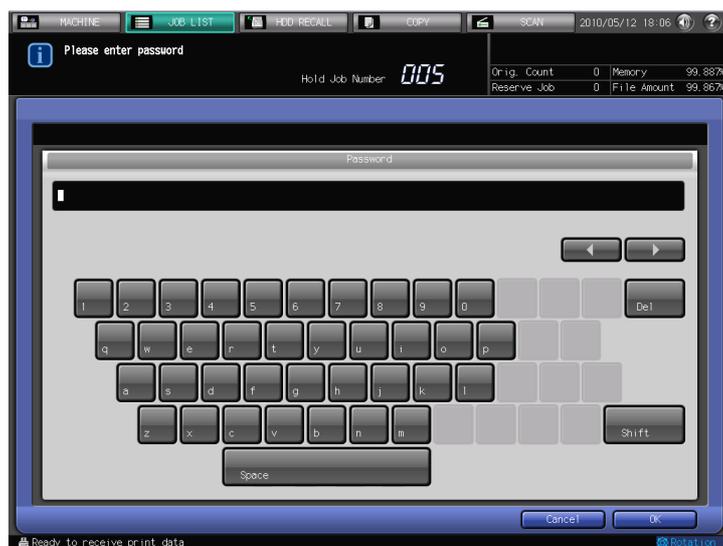
For the [Secure Print] job, it does not display information such as a file name. It only displays .

Outputting a job from [Hold Job]

- 1 In the Control Panel, press [JOB LIST] and [Hold Job].
- 2 Select a job with .

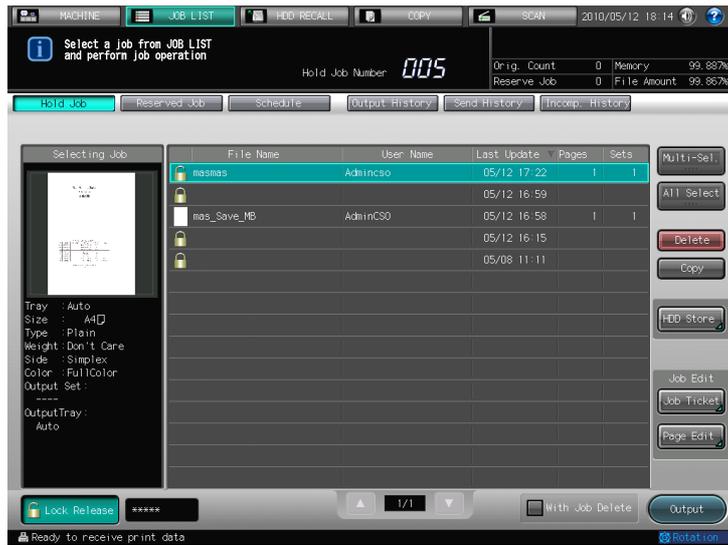


- 3 Press [Lock Release].
- 4 Enter a password in [Secure Print], and then press [OK].



Secure Print is released.

5 Click [Output].



The secured document is outputted.



Reference

For the job edit function in the job list screen, refer to "User's Guide (Copier)".

12.2 Storing in the hard disk

The Save in Hard Disk function is a function to store a print job in a hard disk in this machine. Because the print job is printed by specifying the job from the control panel, this function can also be used for document distribution.

The Save in Hard Disk function can be specified using the printer driver when printing, and printing or distribution can be performed from the control panel.



Reference

For details on the Save in Hard Disk function for this machine, refer to [User's Guide - POD Administrator's Reference].

12.2.1 Setting the printer driver

The following four printer drivers support this feature.

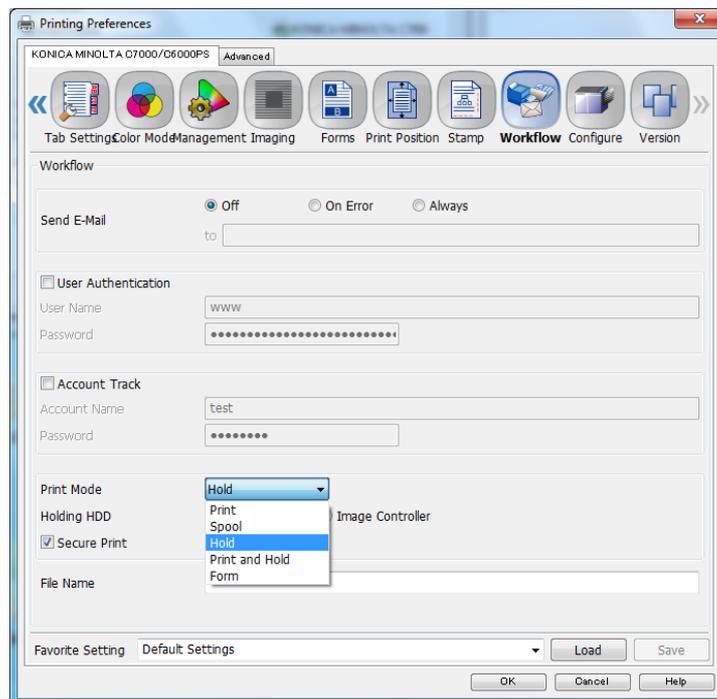
- PS Plug-in driver for Windows
- PS Plug-in driver for Mac OS X
- PPD driver for Windows

Perform printing with the following settings specified.

- Print mode: [Hold] or [Print and Hold]

PS Plug-in Driver

- 1 Display the [WorkFlow] tab.
- 2 Select [Hold] or [Print and Hold] in [Print Mode].

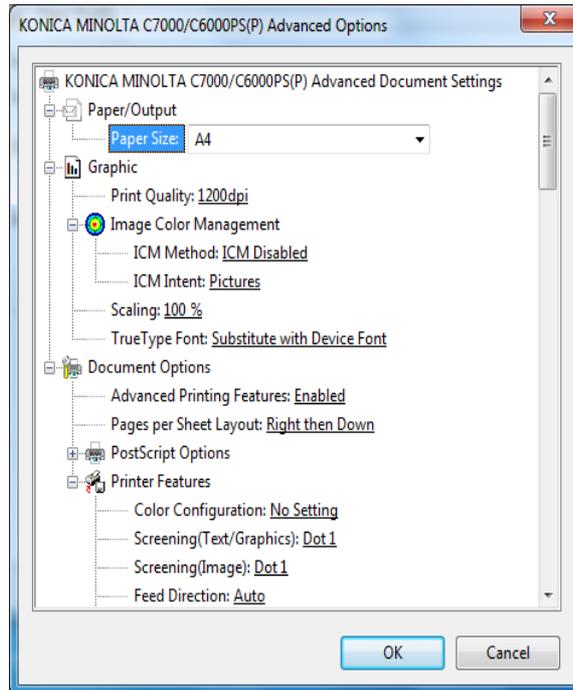


→ To save a job in a user box and print it at the same time, select [Print and Hold].

- 3 Input a file name in [File Name] as necessary.
- 4 Click [OK].
- 5 Click [Print].

In the PPD driver (Windows)

- 1 Display the [Advanced Options] window.
- 2 Select [Hold] or [Print and Hold] in [Print Mode].



- 3 Click [OK].
- 4 Click [OK], and then [Print].

12.2.2 Calling a job

A job is stored in a hard disk either in this machine or Image Controller if it is printed by selecting [Hold] or [Print and Hold] in [Print Mode] in the printer driver.

You can print a job in the hard disk by specifying it in [Hold Job] in the [JOB LIST] tab in the control panel. (page 12-6)



Reference

For details on the functions of the keys on the control panel, refer to [User's Guide (Copier)].

Select a job from the [JOB LIST] tab

- 1 Press [JOB LIST] in the control panel.
- 2 Press [Hold Job].

3 Select a job to output.



4 Press [Output].

The document is printed.



Reference

For the job edit function in the job list screen, refer to "User's Guide (Copier)".

12.3 Printing a document on the machine for which user authentication is specified

When [User Authentication] is specified on the machine, a user name and password must be entered when printing.

The following two printer drivers support this feature.

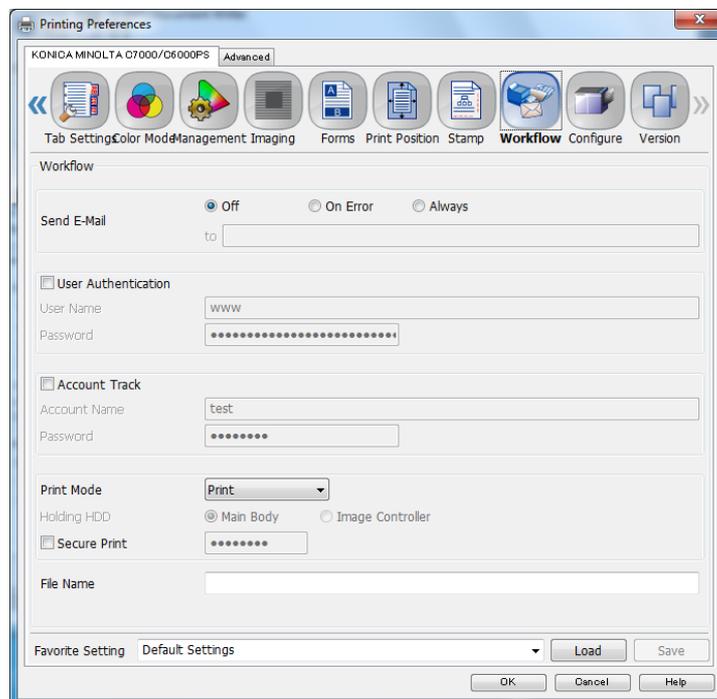
- PS Plug-in driver for Windows
- PS Plug-in driver for Mac OS X

Reference

- If you enter an incorrect user name or password for the [User Authentication] settings of this machine or have not enabled [User Authentication], you will not be authenticated by this machine and the job will be discarded when printing.
- Even a registered user cannot print a document if the user is not allowed to print. For [user authentication], contact the administrator of the machine.

Setting a user authentication (PS Plug-in driver)

- 1 Display the [WorkFlow] tab.
- 2 Select the [User Authentication] check box.



- 3 Enter [User Name] and [Password] that are registered with the machine.
→ The user name and password must be specified with up to 64 characters.
- 4 Click [OK] to start printing.

If the entered user name is a name enabled on the machine, the job is printed and counted as a job for the specified user.

12.4 Printing a document on the machine for which Account Track function is enabled

When the [Account Track] settings are configured on the machine, you must enter the account track code (access code) when printing.

The following two printer drivers support this feature.

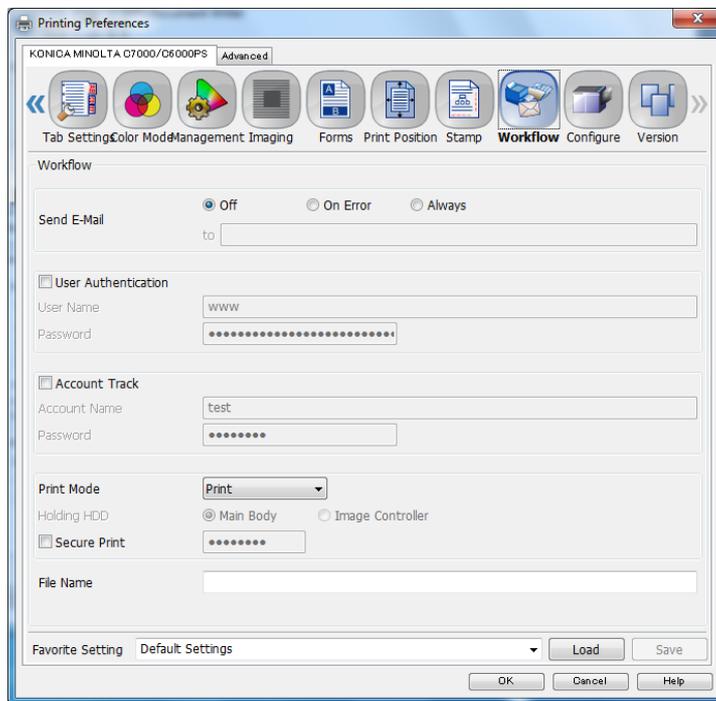
- PS Plug-in driver for Windows
- PS Plug-in driver for Mac OS X

Reference

- If you enter an incorrect access code for the [Account Track] settings on the machine or have not enabled [Account Track], you will not be authenticated by the printer and the job will be discarded when printing.
- Even a registered account cannot print a document if the account is not allowed to print.
- For account track, contact the administrator of the machine.

Setting an account track (PS Plug-in Driver)

- 1 Display the [WorkFlow] tab.
- 2 Select the [Account Track] check box.



- 3 Enter an [Account Name] and [Password] that are registered with the machine.
→ The account name and password must be specified with up to 8 characters.
- 4 Click [OK] to start printing.

If the entered user name is a name enabled on the machine, the job is printed and counted as a job for the specified user.

13

Settings on the Control Panel

13 Settings on the Control Panel

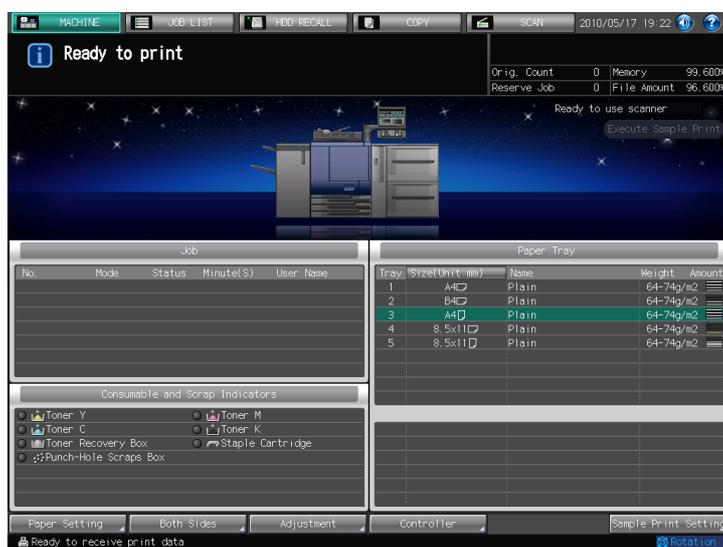
This chapter describes the printer-related functions that can be specified from the control panel.

13.1 Controller Machine Setting

In [Controller], which is displayed by pressing [Controller] in the [MACHINE] screen in the control panel, you can set various settings on the controller.

13.1.1 Displaying the Controller screen

- 1 In the control panel, press the [MACHINE] tab.
- 2 Press [Controller].



The Controller Machine Setting Menu screen is displayed.

13.1.2 Controller Machine Setting Menu screen



In the Controller Machine Setting Menu screen, you can set the following functions.

Item	Description	Reference page
Report Type	[Configuration Page Print], [PS Demo Page Print], [PS Font List]	page 13-3
Direct Print Setting	The output settings of [Basic Settings] and [PS Setting] for direct print can be specified.	page 13-4
Select Printer Setting	Assigns the default output setting for the default port and default setting number for each port.	page 13-6
Driver Print Setting	Specifies [Convert Paper Size], [Page Number Insert Sheet], [Number of Tabs], [Perfect Bind Spine Width].	page 13-6
Spool Print Jobs in HDD before RIP	Select a job spool setting from [Auto], [Enable], or [Disable].	page 13-8
I/F Timeout	You can set the time until a communication timeout occurs.	page 13-9
Plug-in Form Password	Input a password for the form function for a PS Plug-in driver.	page 13-9
Scan Setting	You can set settings on network scanning. For details, refer to "User's Guide (Network Scanner (IC-601))".	page 13-10
Job List	You can display the following lists on a job. <ul style="list-style-type: none"> [Current Jobs], [Output History], [Send History] 	page 13-10
Scan calibration	Initiates scan calibration. For details, refer to "User's Guide (Network Scanner (IC-601))".	page 13-11

Report Type

This screen is displayed if you select [Report Type] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
Configuration Page Print	Press this to output a list of [Colored Setting], [Network Setting], and [Machine Setting].
PS Demo Page Print	Press this to output [PS Demo Page Print].
PS Font List	Press this to output [PS Font List].



Reference

For samples for each report, refer to page 17-4.

Direct Print Setting

This screen is displayed if you select [Direct Print Setting] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
[Setting Number (1-6)]	Select the setting number (1 - 6).
[Basic Setting]	Press this to set the basic settings such as [PDL], [Paper Tray Setting], [Output Tray Setting].
[PS Setting]	Press this to print [Print Error Print].

Direct Print Setting - Basic Settings

This screen is displayed if you select [Direct Print Setting] - [Basic Setting] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.

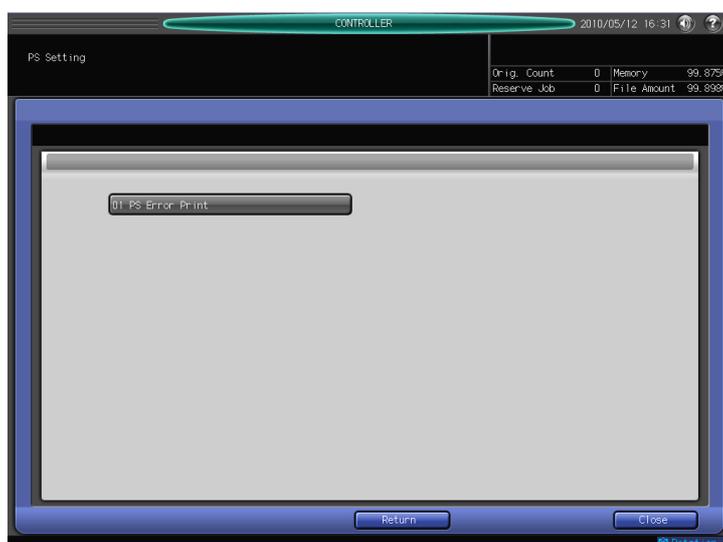


Item	Description
[PDL]	Configure settings for the Page Description Language.
[Paper Tray Setting]	Specify the default paper tray setting.
[Output Tray Settings]	Specify the default output tray setting.
[Simplex/Duplex]	Specify the default simplex/duplex print setting.
[Binding Position]	Specify the default [Binding Position].

Item	Description
[Staple]	Configure the staple setting when the data to be printed has no staple setting information.
[Punch]	Configure the punch setting when the data to be printed has no punch setting information.
[Fold/Trimming]	You can set [Fold/Trimming] if there is no [Fold] or [Trimming] setting in print data.
[Offset]	Specify the default [Offset] setting.
[Output Application]	Specify the default [Output Application] setting.
[Order]	Specify the default [Order] setting.
[Sets]	Specify the default [Sets] setting.
[Sort/Group]	Specify the default [Sort/Group] setting.
[Paper Size]	Specify the default [Paper Size] setting.
[Orientation]	Specify the default [Orientation] setting.
[Banner Option]	Specify whether to print the banner page (cover page) showing the sender or title of the print job.
[Banner Tray]	Specify the paper tray used to print banner pages.
[Convert Paper Size]	Specify the converting paper size when the paper size that is specified by the Direct Print Setting is unavailable in the tray.
[Combine Originals]	Specify the default [Combine Originals] setting.
[Booklet Pagination]	Specify the default [Booklet Pagination] setting.
[Adhesive binding]	Specify the default [Adhesive binding] setting.
[Image Pos.]	Specify the default [Image Pos.] setting.
[File Permission]	Specify the default [File Permission] setting.
[Quality]	Specify the default [Quality] setting.
[Feed Direction]	Specify the default [Feed Direction] setting.
[Colored Paper]	Specify the default [Colored Paper] setting.
[Paper Type]	Specify the default [Paper Type] setting.

Direct Print Setting - PS Setting

This screen is displayed if you select [Direct Print Setting] - [PS Setting] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
[PS Error Print]	Set whether to print error information when an error occurs during PS rasterization.

Select Printer Setting

This screen is displayed if you select [Report Type] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



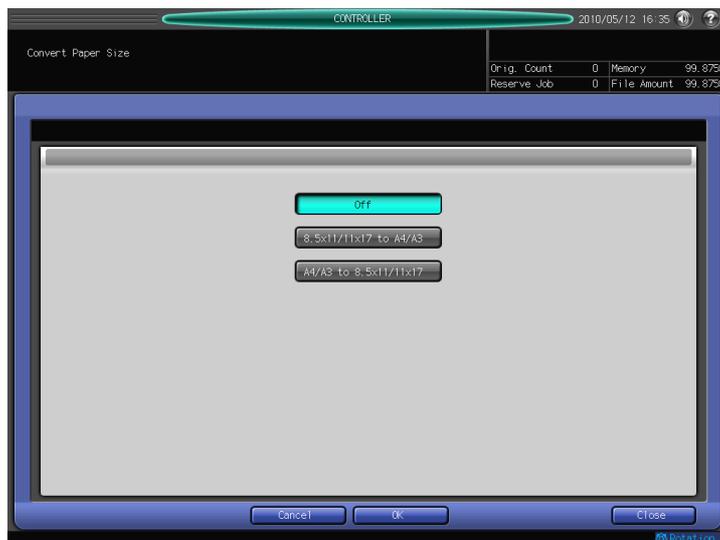
Item	Description
[Port1(9100)] - [Port6(9116)]	You can set output for each port (Setting Number 1 -6). Input a port number and press [Set].

Reference

- The setting number (1-6) will be reflected on to the settings in [Direct Print Setting].

Driver Print Setting - Convert Paper Size

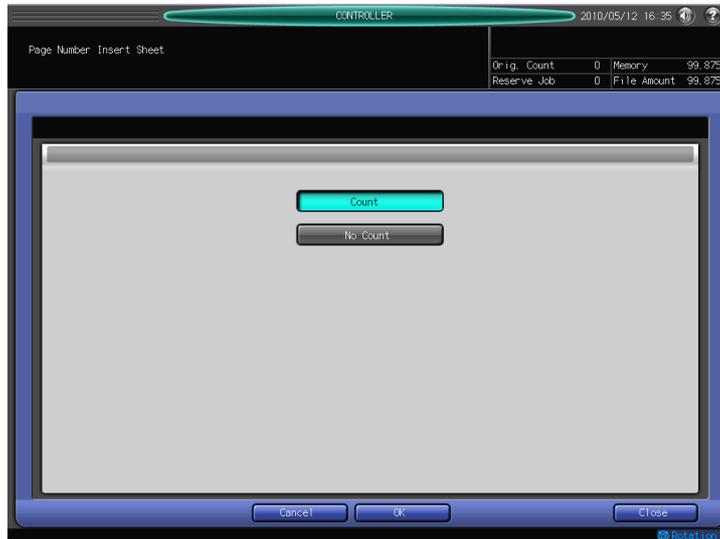
This screen is displayed if you select [Driver Print Setting] - [Convert Paper Size] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
[Convert Paper Size]	Specify the converting paper size when the paper size that is specified by the printer driver is unavailable in the tray. <ul style="list-style-type: none"> • Select [Off], [8.5x11/11x17 to A4/A3], or [A4/A3 to 8.5x11/11x17].

Driver Print Setting - Page Number Insertion Sheet

This screen is displayed if you select [Driver Print Setting] - [Page Number Insertion Sheet] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
[Page Number Insertion Sheet]	Specify whether to print a page number on the insertion sheet. <ul style="list-style-type: none"> • [Count], [No Count]

Driver Print Setting - Number of Tabs

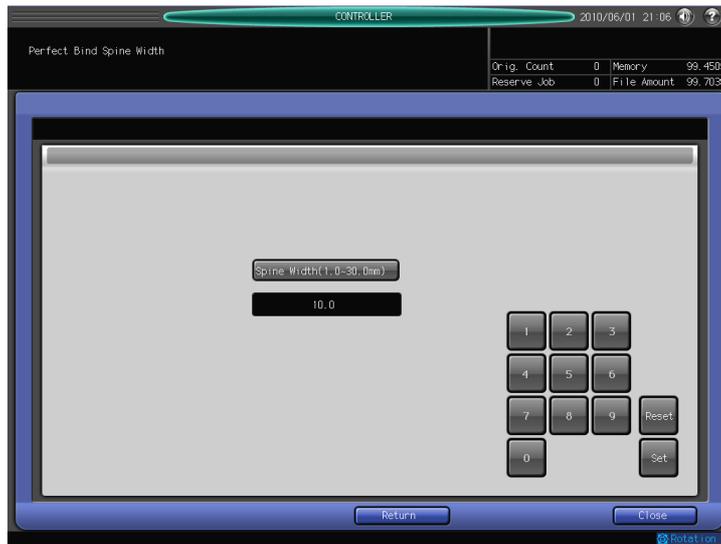
This screen is displayed if you select [Driver Print Setting] - [Number of Tabs] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
[Number of Tabs]	Specify a number of tabs. <ul style="list-style-type: none"> • You have to specify it between [1] and [15].

Driver Print Setting - Perfect Bind Spine Width

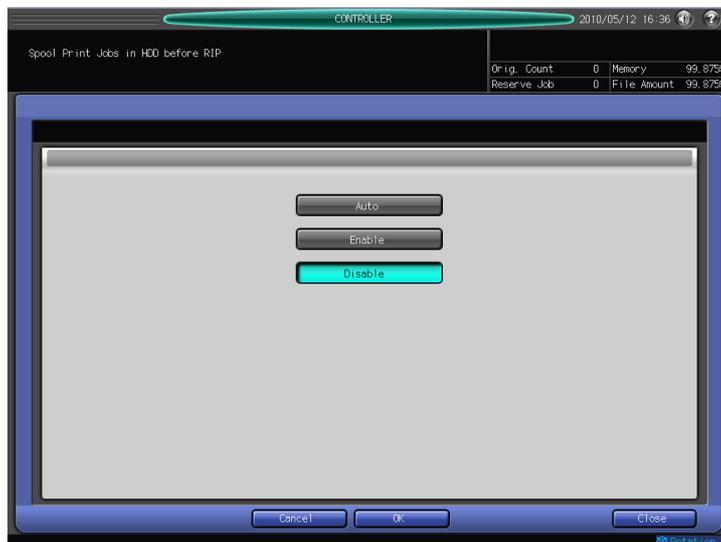
This screen is displayed if you select [Driver Print Setting] - [Perfect Bind Spine Width] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
[Spine Width]	Set the width of a spine. <ul style="list-style-type: none"> It can be set from 1.0 mm to 30.0 mm.

Spool Print Jobs in HDD before RIP

This screen is displayed if you select [Spool Print Jobs in HDD before RIP] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
[Job Spool Setting]	Specify a job spool setting. <ul style="list-style-type: none"> You can select [Auto], [Enable], or [Disable].

I/F Timeout

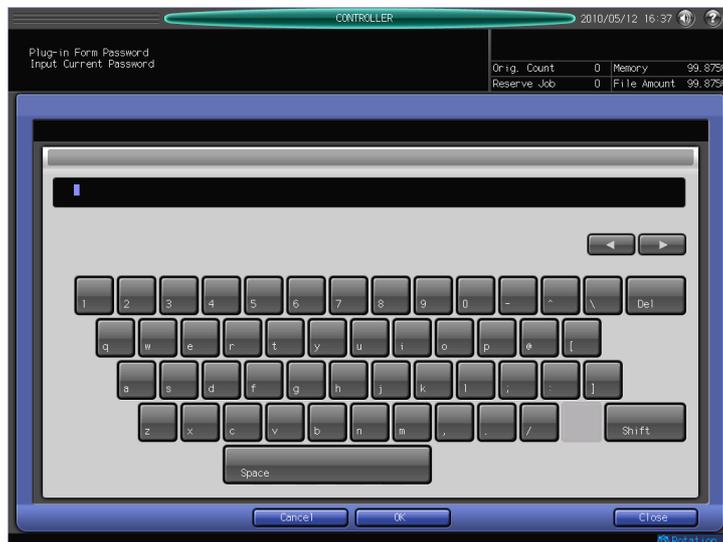
This screen is displayed if you select [I/F Timeout] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
Network (10-3600)	Specify the communication timeout time for the network.
USB (10-1000)	Enter the communication timeout time for the USB.

Plug-in Form Password

This screen is displayed if you select [Plug-in Form Password] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
Plug-in Form Password	Input a password for the form function for a PS Plug-in driver. The default is "password".

Scan Setting

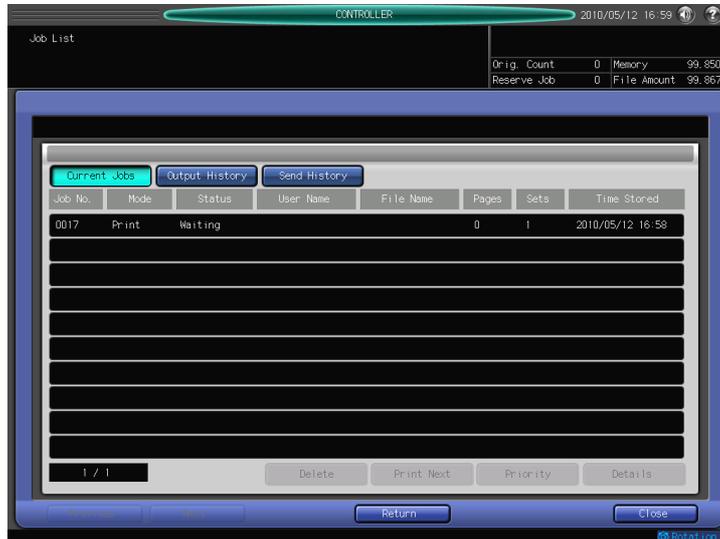
This screen is displayed if you select [Scan Setting] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
[Scan Setting]	You can set the network scan function. For details, refer to "User's Guide (Network Scanner (IC-601))".

Job List

This screen is displayed if you select [Job List] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



Item	Description
[Job List]	You can display the following lists on a job. <ul style="list-style-type: none"> [Current Jobs], [Output History], [Send History]

Scan calibration

This screen is displayed if you select [Scan calibration] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 13-2.



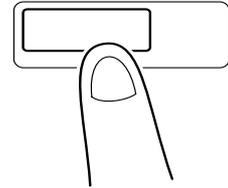
Item	Description
[Scan calibration]	You can set calibration. For details, refer to "User's Guide (Network Scanner (IC-601))".

13.2 Basic operations of User Settings

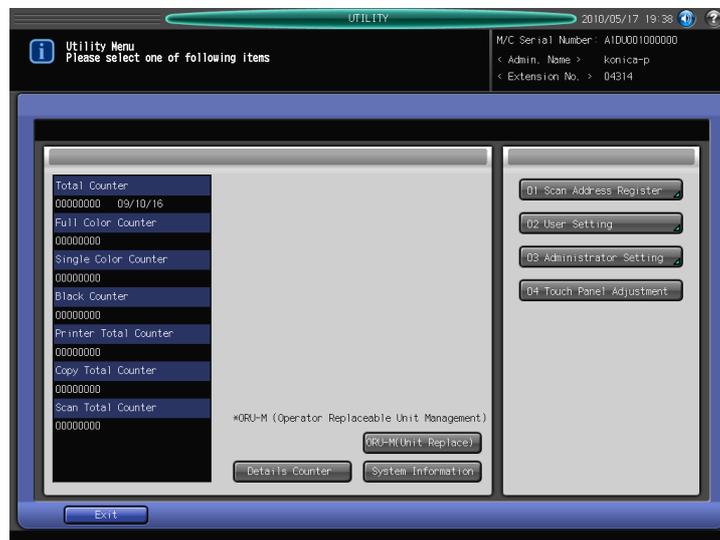
13.2.1 Displaying the User Settings screen

- 1 Press the **Utility/Counter** key.

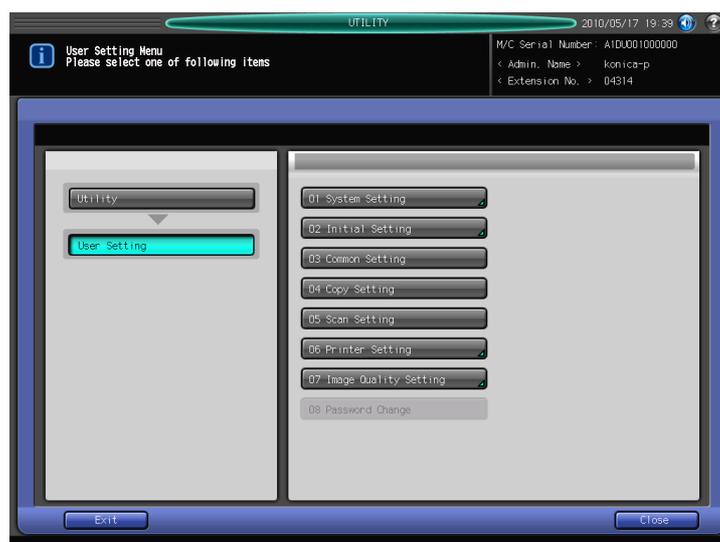
Utility/Counter



- 2 Press [User Setting].



The User Setting screen appears.

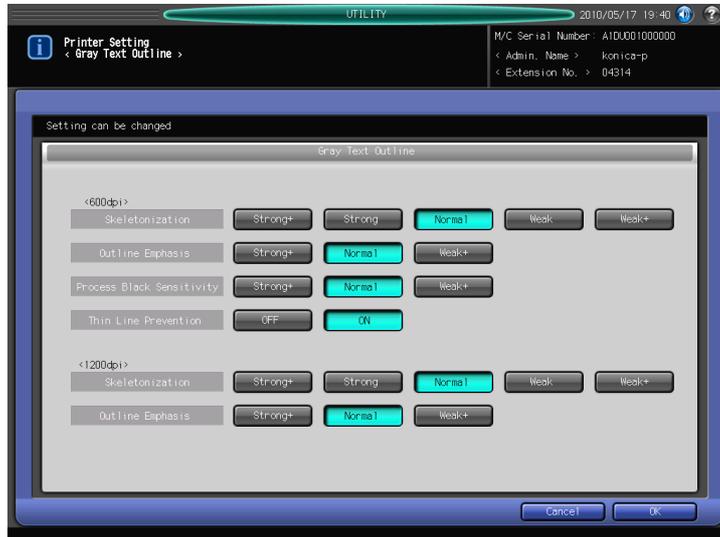


- Press [Close] to complete the setting.
- To return through the hierarchy of the Utility menu, press [Close] until the desired screen appears.

13.2.2 Printer Setting

You can set the outline processing in [Printer Setting] in [User Setting].

- 1 In the User Settings screen, press [Printer Settings].
→ For details on displaying the User Settings screen, refer to page 13-12.
- 2 Press [Gray Text Outline].
The Gray Text Outline screen is displayed.



You can set the outline processing at printing. (Default: [Auto])

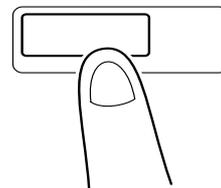
- [Skeletonization]: Specify a strength of a thin line at a resolution of 1200dpi.
- [Outline Emphasis]: Specify a strength of an outline at a resolution of 1200dpi.
- [Process Black Sensitivity]: Specify a sensitivity of process black at a resolution of 1200dpi.
- [Prevention]: Specify the faint prevention function against the skeletonization at a resolution of 1200dpi.
- [Skeletonization]: Specify a strength of a thin line at a resolution of 600dpi.
- [Outline Emphasis]: Specify a strength of an outline at a resolution of 600dpi.

13.3 Basic operations in Administrator Settings

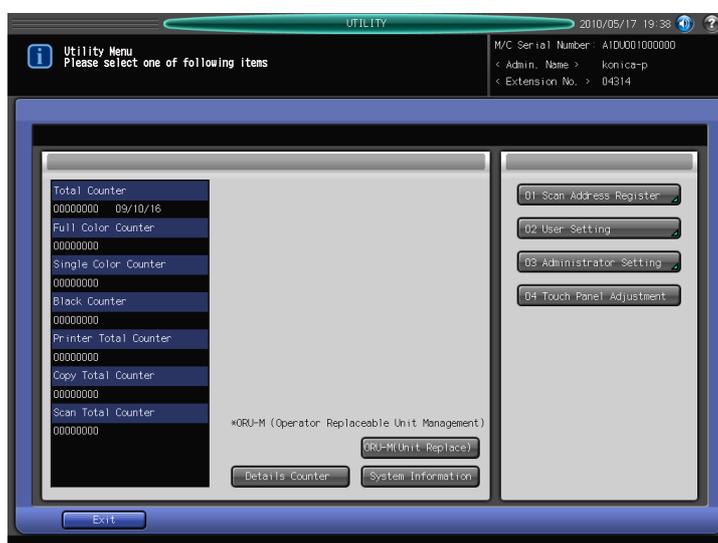
13.3.1 Displaying the Administrator Settings screen

- 1 Press the **Utility/Counter** key.

Utility/Counter

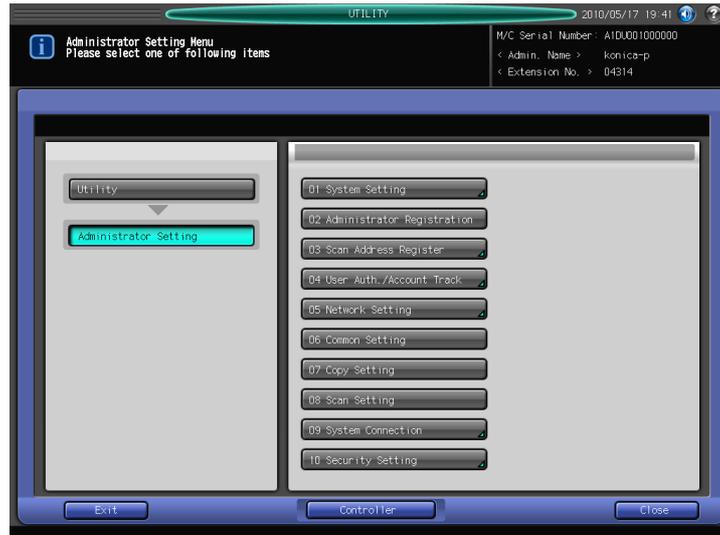


- 2 Press [Administrator Setting].



- 3 Enter the password, and then press [OK].
 - For details on setting or changing the password, refer to the [User's Guide (Copier)]. The Administrator Setting screen appears.
 - Press [Close] to complete the setting.
 - To return through the hierarchy of the Utility menu, press [Close] until the desired screen appears.

13.3.2 Administrator Setting screen



Reference

For details on the administrator setting for this machine, refer to "User's Guide (POD Administrator's Reference)".

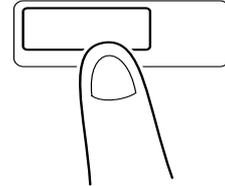
13.4 Controller Administrator Setting Menu

You can set various settings on the controller in the [Controller Administrator Setting Menu] screen, which is displayed by pressing [Utility/Counter] - [Administrator Setting] - [Controller].

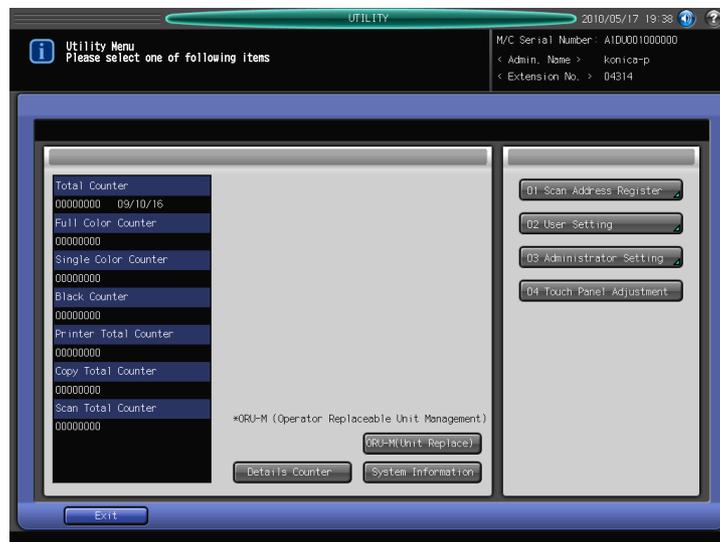
13.4.1 Displaying the Controller Administrator Setting Menu screen

- 1 Press [Utility/Counter] in the control panel.

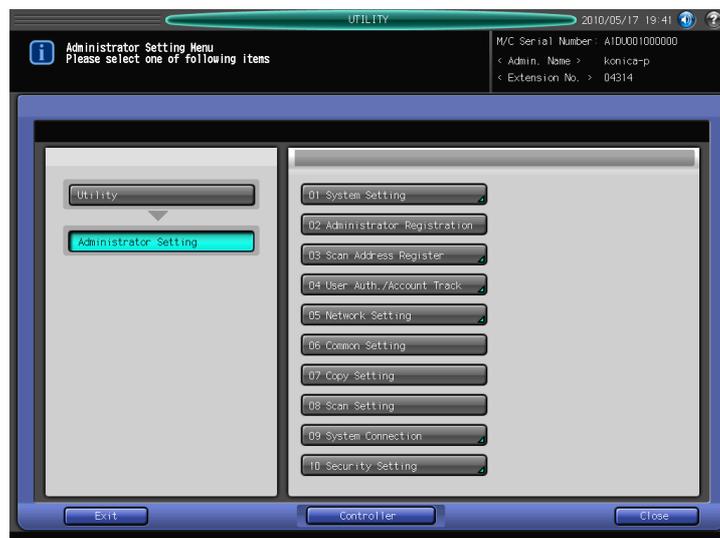
Utility/Counter



- 2 Press [Administrator Setting].

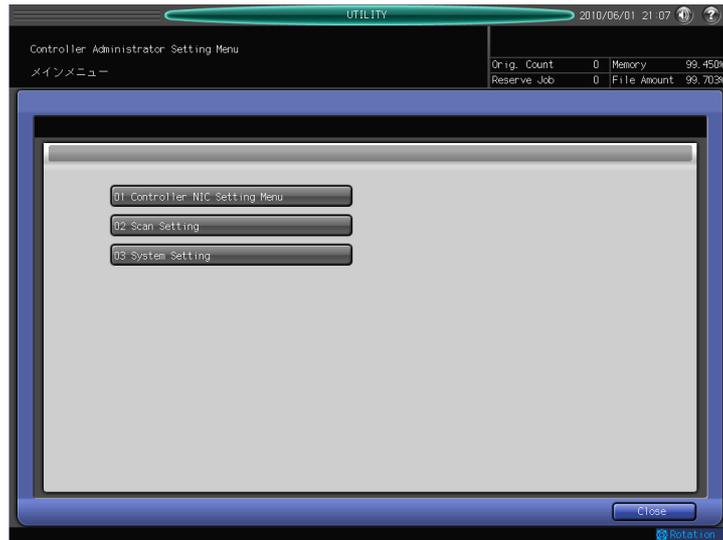


- 3 Press [Controller].



The [Controller Administrator Setting Menu] screen is displayed.

13.4.2 Controller Administrator Setting Menu screen



In the Controller Administrator Setting Menu screen, you can set the following functions.

Item	Description	Reference page
Controller NIC Setting Menu	Specify various settings on a network. For details, refer to "User's Guide (POD Administrator's Reference)".	page 13-17
Scan Setting	Specify settings on a user box for the network scanner. For details, refer to "User's Guide (Network Scanner (IC-601))".	
System Setting	Specify settings on [Soft memory switch] and [Machine Default Setting]. For details, refer to "User's Guide (POD Administrator's Reference)".	

Controller NIC Setting Menu

This screen is displayed if you select [Controller NIC Setting Menu] in the [Controller Administrator Setting Menu] screen. For detailed information on how to open the [Controller Administrator Setting Menu] screen, refer to page 13-16.



Item	Description
TCP/IP Setting	Specify settings on TCP/IP. For details, refer to "User's Guide (POD Administrator's Reference)".

Item	Description
NetWare Setting	Specify settings on Netware. For details, refer to "User's Guide (POD Administrator's Reference)".
HTTP Server Setting	Specify settings on an HTTP server. For details, refer to "User's Guide (POD Administrator's Reference)".
FTP Setting	Specify settings on FTP. For details, refer to "User's Guide (POD Administrator's Reference)".
SNMP Setting	Specify settings on SNMP. For details, refer to "User's Guide (POD Administrator's Reference)".
SMB Setting	Specify settings on SMB. For details, refer to "User's Guide (POD Administrator's Reference)".
AppleTalk Setting	Specify settings on AppleTalk. For details, refer to "User's Guide (POD Administrator's Reference)".
Bonjour Setting	Specify settings on Bonjour. For details, refer to "User's Guide (POD Administrator's Reference)".
E-mail Setting	Specify settings on an E-mail. For details, refer to "User's Guide (POD Administrator's Reference)".
TCP Socket Setting	Specify settings on TCP Socket. For details, refer to "User's Guide (POD Administrator's Reference)".
CSRC Setting	Specify settings on CSRC. For details, refer to "User's Guide (POD Administrator's Reference)".
OpenAPI Setting	Specify settings on OpenAPI. For details, refer to "User's Guide (POD Administrator's Reference)".
Web Service Settings	Specify settings on Web service. For details, refer to "User's Guide (POD Administrator's Reference)".
JSP Setting	Specify settings on JSP. For details, refer to "User's Guide (POD Administrator's Reference)".
LDAP Setting	Specify settings on LDAP. For details, refer to "User's Guide (POD Administrator's Reference)".
IEEE802.1X Authentication Setting	Specify settings on an IEEE802.1X authentication. For details, refer to "User's Guide (POD Administrator's Reference)".
Detail Setting	Specify detail settings on an MAC address, network speed, and network protocol for the controller. For details, refer to "User's Guide (POD Administrator's Reference)".

14

PageScope Web Connection

14 PageScope Web Connection

14.1 Using PageScope Web Connection

PageScope Web Connection is a device control utility provided by the HTTP server built in the image controller. Using a Web browser on a computer connected to the network, you can change machine settings and check the status of the machine.

14.1.1 Operating environment

Network	Ethernet (TCP/IP)
Applications on computer	<p>Web browser:</p> <p><For Windows NT4.0/2000/XP/Server 2003/Vista/Server 2008/7></p> <ul style="list-style-type: none"> • Microsoft Internet Explorer Ver. 6/7/8 (JavaScript and Cookies enabled) • Mozilla Firefox 1.0 or later (JavaScript and Cookies enabled) <p><For Macintosh MacOS 9.x/MacOS X></p> <ul style="list-style-type: none"> • Mozilla Firefox 1.0 or later (JavaScript and Cookies enabled) <p><For Linux></p> <ul style="list-style-type: none"> • Mozilla Firefox 1.0 or later (JavaScript and Cookies enabled) <p>Adobe® Flash® Player:</p> <ul style="list-style-type: none"> • Plug-in Ver.7.0 or later required to select Flash as the display format.

14.1.2 Accessing PageScope Web Connection

- ✓ Start the Web browser to access **PageScope Web Connection**.
- ✓ If User Authentication is enabled, enter the user name and password. For details, refer to page 14-8.
- ✓ For details on specifying the IP address for the machine, refer to [User's Guide - POD Administrator's Reference].
- ✓ **PageScope Web Connection** has two view modes: Flash and HTML. For details, refer to page 14-7.

1 Start the Web browser.

2 Enter the IP address of the machine in the URL field, and then press [Enter].

`http://<IP address of the machine>/`

Example: When the IP address of this machine is 192.168.1.20:

- `http://192.168.1.20/`

When IPv6 is set to [ON] while a browser other than Internet Explorer 6 is used:

- Enter the IPv6 address enclosed in brackets [] to access PageScope Web Connection.
- `http://[IPv6 address of this machine]/`

Example: When the IPv6 address of this machine is fe80::220:6bff:fe10:2f16:

- `http://[fe80::220:6bff:fe10:2f16]/`
- If IPv6 is set to [ON] while Internet Explorer 6 is used, add "fe 80::220:6bff:fe:10:2f IPv:6_MFP_1" to the hosts file in advance, and specify the address with the domain name.

The main menu or login page appears.

14.1.3 Web browser cache

The Web browser has the cache function; therefore, the latest information may not be shown in the page displayed using **PageScope Web Connection**. Using the cache function may result in an operation failure. When using **PageScope Web Connection**, disable the cache function on the Web browser.

Reference

- Some Web browser versions may provide different menus and item names. For details, refer to the Help for the Web browser.
- With the cache function enabled, timeout occurs in the administrator mode, and after that, how many time you try to access, just timeout recurs. It results in the control panel of this machine being locked,

and you cannot handle the control panel. In this case, turn the main power off, and then turn it on again. To avoid this problem, disable the cache function.

For Internet Explorer

- 1 Select [Internet Options] in the [Tools] menu.
- 2 In the [General] tab, select [Temporary Internet files] - [Settings].
- 3 Select [Every visit to the page], and click [OK].

For Mozilla Firefox

- 1 Select [Options] in the [Tools] menu.
- 2 Select [Privacy], and then click [Settings] in the Private Data section.
- 3 Select the [Cache] check box under [Private Data] select the [Clear private data when closing Firefox] check box under [Settings], and then click [OK].

14.1.4 Online help function

After logging in to **PageScope Web Connection**, click ; you can display the online help for the currently configured function.

Reference

- To display the online help, connect your computer to the Internet.

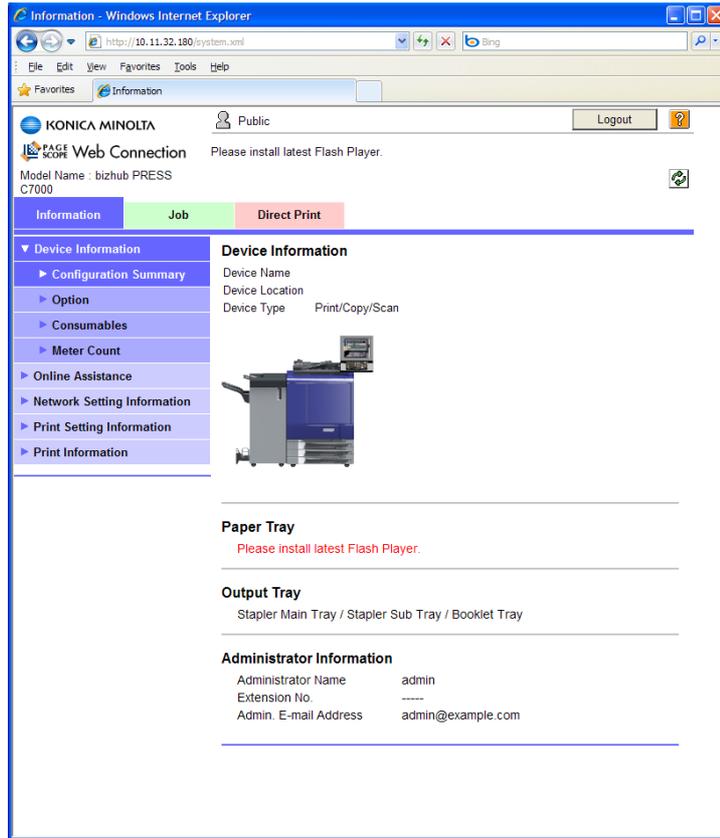
14.2 Login and Logout

14.2.1 Login and logout flows

Accessing with **PageScope Web Connection** displays the login page when User Authentication or Account Track is enabled, and displays the login page in the public user mode when User Authentication or Account Track is not enabled. When re-logging in to this machine as a different user or as an administrator, log out once, and log in again.

When user authentication or account track is not enabled

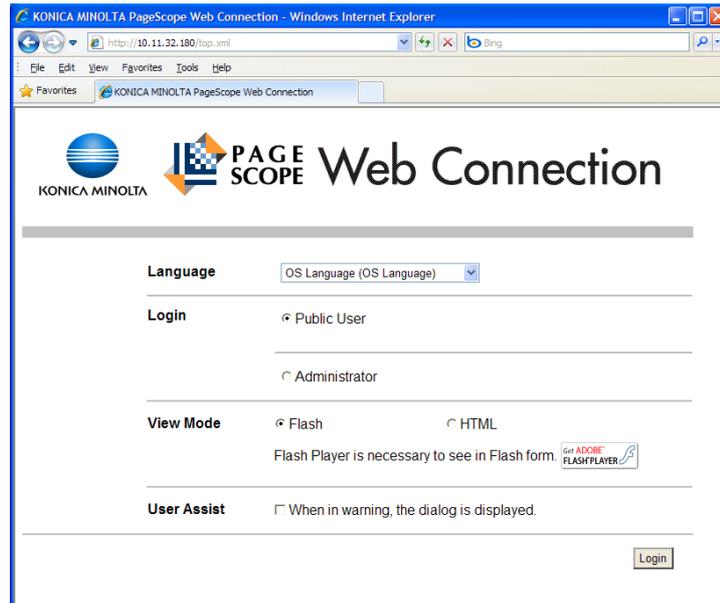
You are automatically logged in as a public user.



To log in as an administrator, log out once.



Login as an administrator again.



KONICA MINOLTA

PAGE SCOPE Web Connection

Language OS Language (OS Language)

Login Public User
Administrator

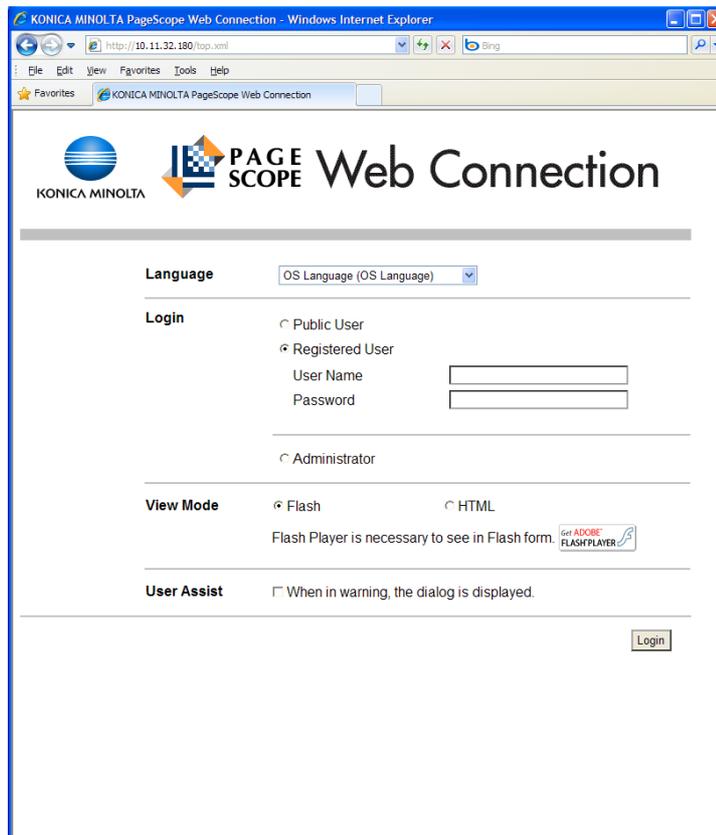
View Mode Flash HTML
Flash Player is necessary to see in Flash form. Get ADOBE FLASHPLAYER

User Assist When in warning, the dialog is displayed.

Login

When User Authentication or Account Track is enabled

The User Authentication or Account Track page appears. Enter the required items to log in.



KONICA MINOLTA

PAGE SCOPE Web Connection

Language OS Language (OS Language)

Login Public User
Registered User
User Name
Password
Administrator

View Mode Flash HTML
Flash Player is necessary to see in Flash form. Get ADOBE FLASHPLAYER

User Assist When in warning, the dialog is displayed.

Login



To log in as a different user or as an administrator, log out once.



Log in again.

The screenshot shows a web browser window titled "KONICA MINOLTA PageScope Web Connection - Windows Internet Explorer". The address bar shows "http://10.11.32.180/top.xml". The page features the Konica Minolta logo and the "PAGE SCOPE Web Connection" header. Below the header, there are several sections:

- Language:** A dropdown menu set to "OS Language (OS Language)".
- Login:** Radio buttons for "Public User", "Registered User" (selected), and "Administrator". Below "Registered User" are input fields for "User Name" and "Password".
- View Mode:** Radio buttons for "Flash" (selected) and "HTML". A note states "Flash Player is necessary to see in Flash form." with a "Get ADOBE FLASHPLAYER" button.
- User Assist:** A checkbox labeled "When in warning, the dialog is displayed" which is currently unchecked.

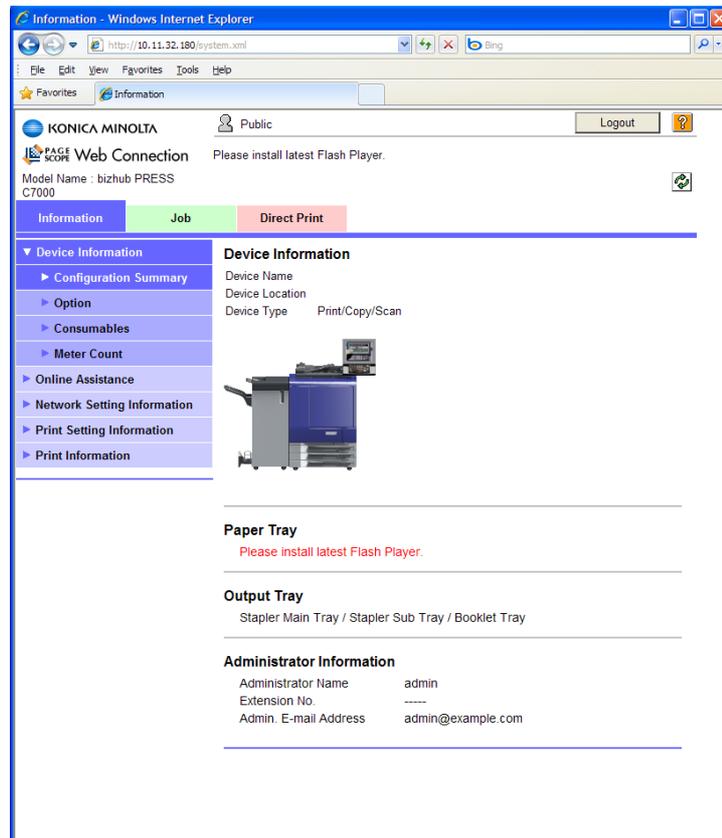
A "Login" button is located at the bottom right of the form area.

14.2.2 Logout

Click [Logout] on the upper right of the screen to display a logout confirmation screen. Click [OK] to return to the login page.

Reference

- The login page that appears differs depending on whether Authentication is enabled in this machine.
- If timeout occurred because no operation was performed for the specified period during login or if authentication setting was changed using the control panel while logging in to the user mode, you will automatically log out of the mode.
- For details on how to specify the timeout period of the user or administrator modes, refer to page 14-16.



14.2.3 Login

PageScope Web Connection provides the user or administrator mode depending on how to log in.

Login options

You can select items as required when logging in.

Item	Description
[Language]	Select the display language.
[View Mode]	Select Flash or HTML. <ul style="list-style-type: none"> • If the screen reader software is used, we recommend selecting [HTML] as the view mode. • Flash Player is required when selecting [Flash].
[User Assist]	Select the [Display dialog box in case of warning.] check box to display the dialog box when a warning has occurred or during operation after login.

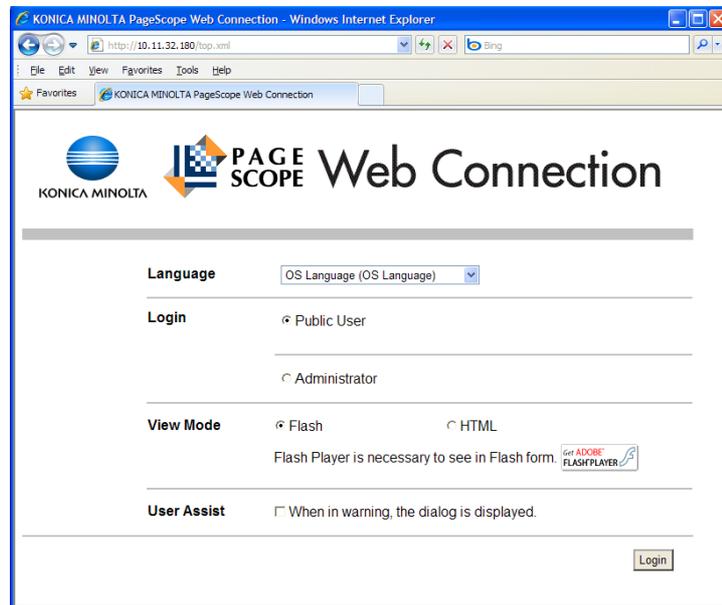
Reference

- If [Flash] is selected in [View Mode], the following items are displayed using Flash.
 - Status icons and messages
 - Status of [Paper Tray] in [Information] - [Device Information]

- Page display of [Job]

Logging in as a public user

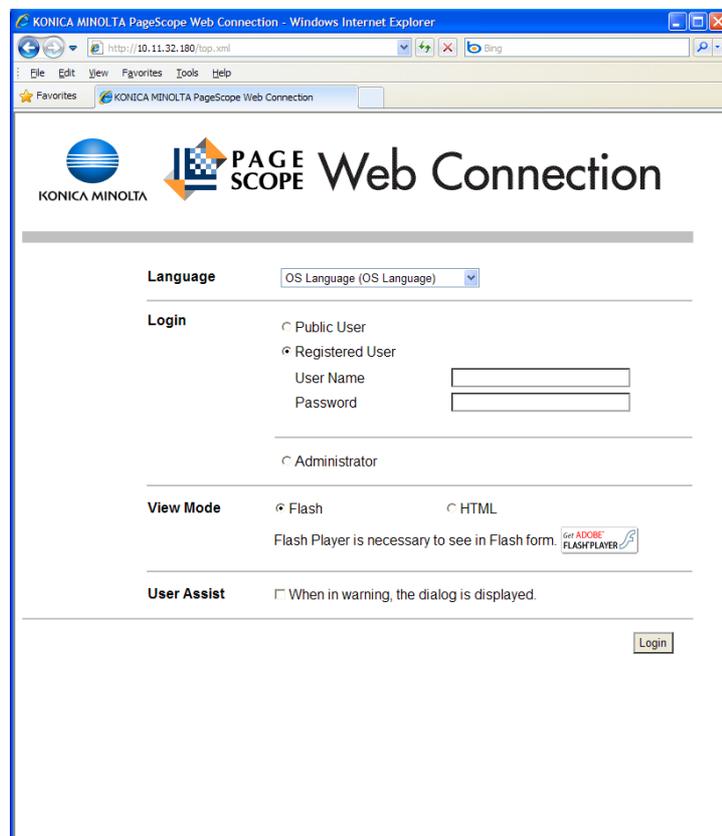
If user authentication is not enabled on the machine, you will be logging in as a public user. In the login page, select [Public User Access], and click [Login].



Logging in as a registered user

Specify the registered user name and password to log in when User Authentication is enabled in this machine.

- In the login page, enter the user name and the password, and click [Login].



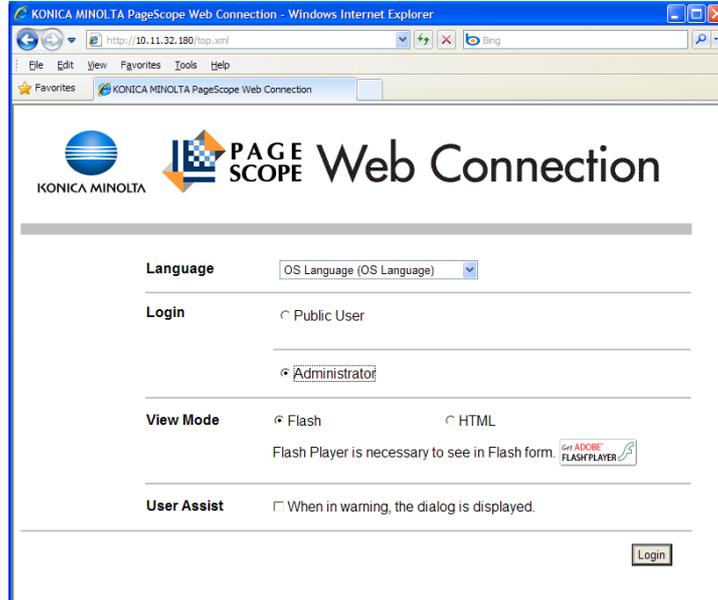
Reference

- If Account Track is enabled, also enter the account name and password.

Logging in to the administrator mode

To configure the system or network setting, log in to the administrator mode.

- 1 Select [Administrator], and then click [Login].



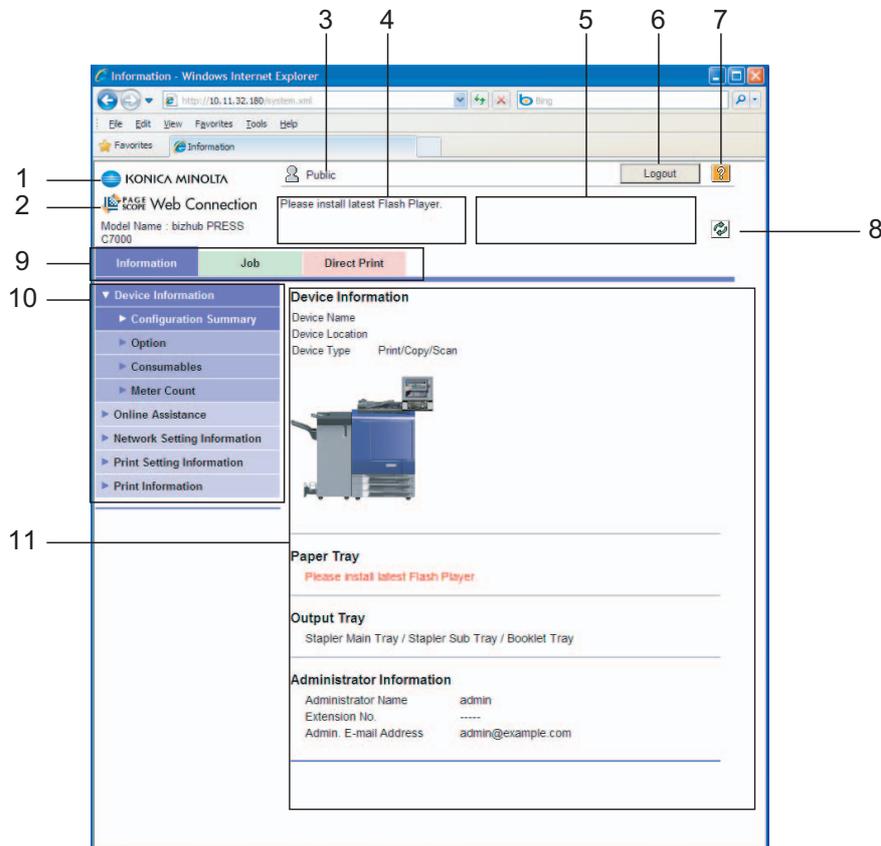
- 2 Enter the administrator password, and then click [OK].
 - Logging in to the administrator mode locks the control panel of this machine, and you will not be able to use it.
 - Depending on the status of this machine, you may not be able to log in to the administrator mode.
 - The password entry page varies depending on the machine settings.

14.3 Structure of pages

Logging in to **PageScope Web Connection** displays the page that is configured as shown below. The following shows an example of the page displayed when Device Information is selected in the Information tab.

Reference

- The contents of the **PageScope Web Connection** pages vary depending on the options installed in this machine or the settings of this machine.
- The explanation here is given using the screen of "bizhub PRESS C7000". For this reason, there are some items that are not displayed for "bizhub PRESS C7000P".



No.	Item	Description
1	KONICA MINOLTA logo	Click this logo to jump to the Konica Minolta Web site at the following URL. http://www.konicaminolta.com/
2	PageScope Web Connection logo	Click this logo to display the version information of PageScope Web Connection .
3	Login user name	Displays the icon of the current mode and the name of the user who is logged on (public, administrator, registered user, or account). Click the user name to display the login user name.
4	Status display	Displays the status of the printer and scanner sections of this machine with icons and messages. Clicking the desired icon when an error occurs displays the information (Consumable Info, Paper Tray) associated with the icon to enable you to check the status.
5	Message display	Displays the operating status of this machine.
6	[Logout]	Click this button to log out the current mode and log in again.
7	Help	You can display the online help for the currently configured function. For the specified pages, refer to [Online Assistance] in page 14-12.
8	Refresh	Click this icon to refresh the information displayed in the page.
9	Tab	Select the category of the item to be displayed. The following icons are displayed in the user mode. <ul style="list-style-type: none"> • Information • Job • Direct Print

No.	Item	Description
10	Menu	Displays information and setting for the selected tab. The menu that appears in this area varies depending on which tab was selected.
11	Information and settings	Displays the details of the item selected in the menu.

14.4 Overview of the user mode

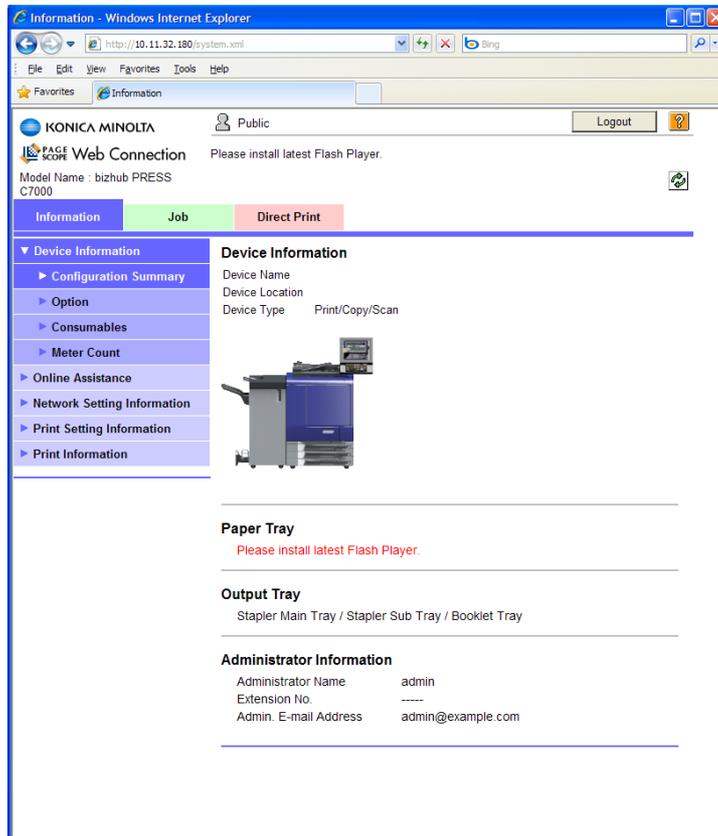
After logging in to PageScope Web Connection in the user mode, the following functions can be specified.

14.4.1 Information



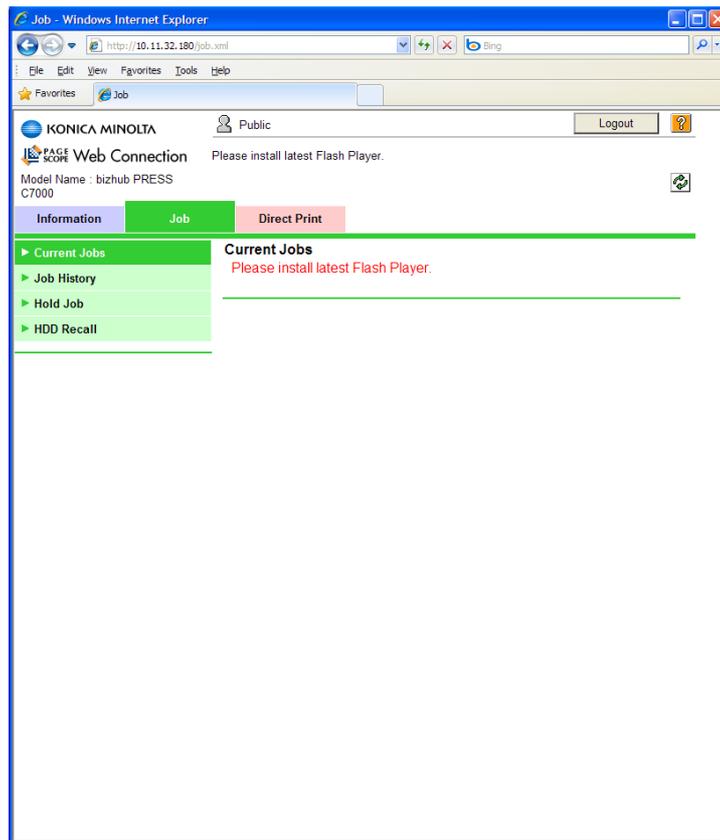
Reference

For details on the user mode, refer to the online help for **PageScope Web Connection**. For details on the online help, refer to page 14-3.



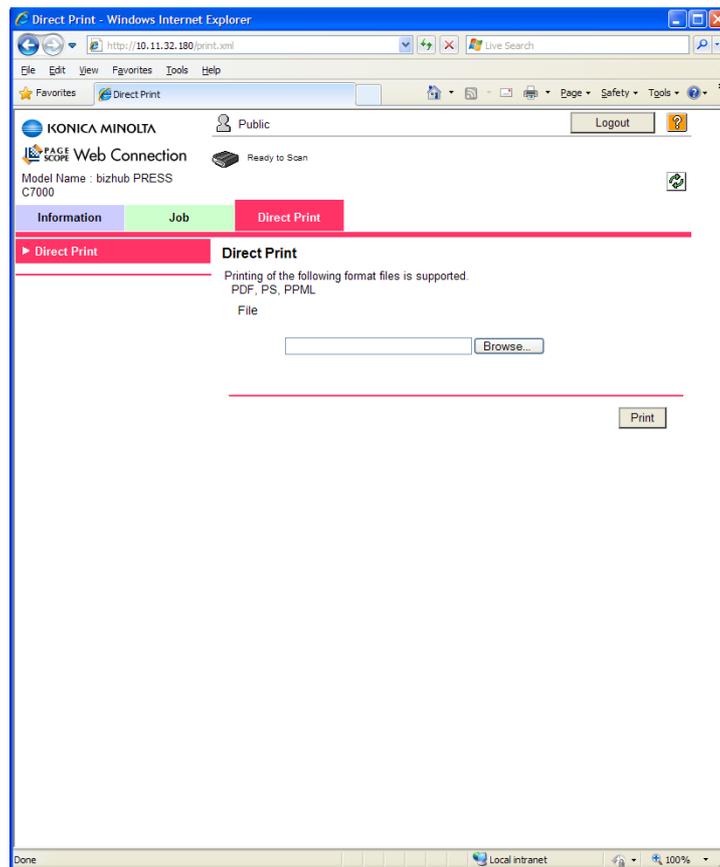
Item	Description
[Device Information]	Enables you to check the components, options, consumables, and meter counts of this machine.
[Online Assistance]	Enables you to check the online assistance about this product.
[Network Setting Information]	Enables you to check the network settings of this machine.
[Print Setting Information]	The Print Setting Information related to the machine's image controller can be checked.
[Print Information]	Prints font or configuration information.

14.4.2 Job



Item	Description
[Current Jobs]	Enables you to check the currently executed job or queued jobs.
[Job History]	Enables you to check the executed jobs.
[Hold Job]	Hold Job can be checked, stored into the internal HDD, or printed.
[HDD Recall]	The jobs on the internal HDD can be checked or printed.

14.4.3 Direct print



Item	Description
[Direct Print]	Specify a file saved in the computer to print it using this machine.

Reference

- [Direct Print] is not displayed when [Utility/Counter] - [Administrator Setting Track] - [User Auth./Account Track] - [Print without Authentication] - [Restrict] and [ON(MFP)] or [Account Track] is specified in User Authentication.

14.5 Administrator mode overview

Logging in to the administrator mode enables you to use the following functions.

Reference

- For details on the administrator mode, refer to [User's Guide (POD Administrator's Reference)].

14.5.1 Maintenance

The screenshot shows the Maintenance page in a web browser. The page title is "Maintenance - Windows Internet Explorer". The address bar shows "http://10.11.32.180/e_system.xml". The page header includes the Konica Minolta logo, the user "Administrator", and a "Logout" button. Below the header, there are tabs for "Maintenance", "Security", "Print Setting", "Scan", and "Network". The "Maintenance" tab is selected, and a sidebar on the left lists various settings: Meter Count, ROM Version, Import/Export, Status Notification Setting, Machine Setting, Online Assistance, and Reset. The main content area displays several counters:

Total Counter	
Total	21
Total Duplex	178
# of Originals	138
# of Used Paper	918

Copy Counter				
	Full Color	Black	Single Color	Total
Total	1	0	0	1
Large Size	0	0	0	0

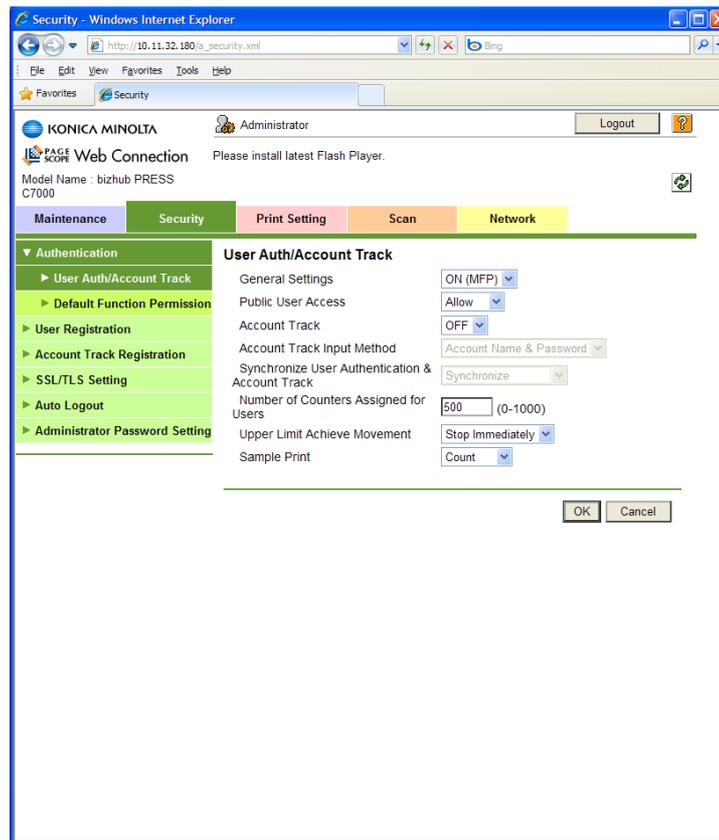
Print Counter			
	Full Color	Black	Total
Total	18	2	20
Large Size	0	0	0

Scan Counter	
Total	0
Large Size	0

Total (Copy + Print)		
	Full Color	Black
Total	19	2

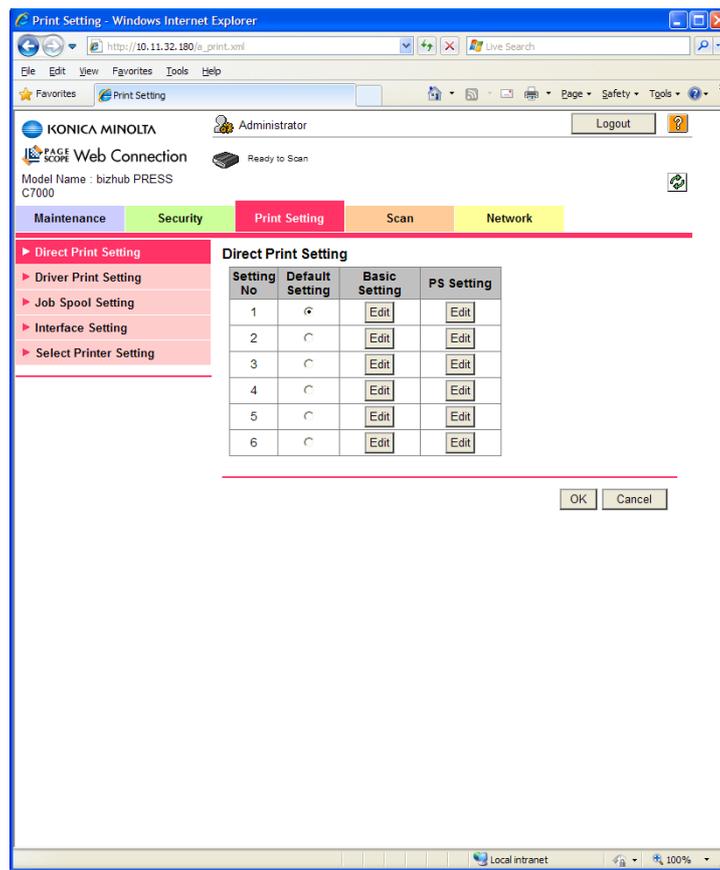
Item	Description
[Meter Count]	Enables you to check the meter count of this machine.
[ROM Version]	Enables you to check the ROM version.
[Import/Export]	Saves (exports) setting information, User Authentication/Account Track information, or Meter Count information of this machine as a file, or writes (import) it from a file to this machine.
[Status Notification Setting]	Configure the function to be reported to a registered user when an error has occurred in this machine. Specify the destination and items to notify a registered user of an error.
[Machine Setting]	Changes the registration information of this machine.
[Online Assistance]	Specify support information (such as contact name, corporate URL, or online manual URL) of this machine. To display this information, select [Information] - [Online Assistance].

14.5.2 Security



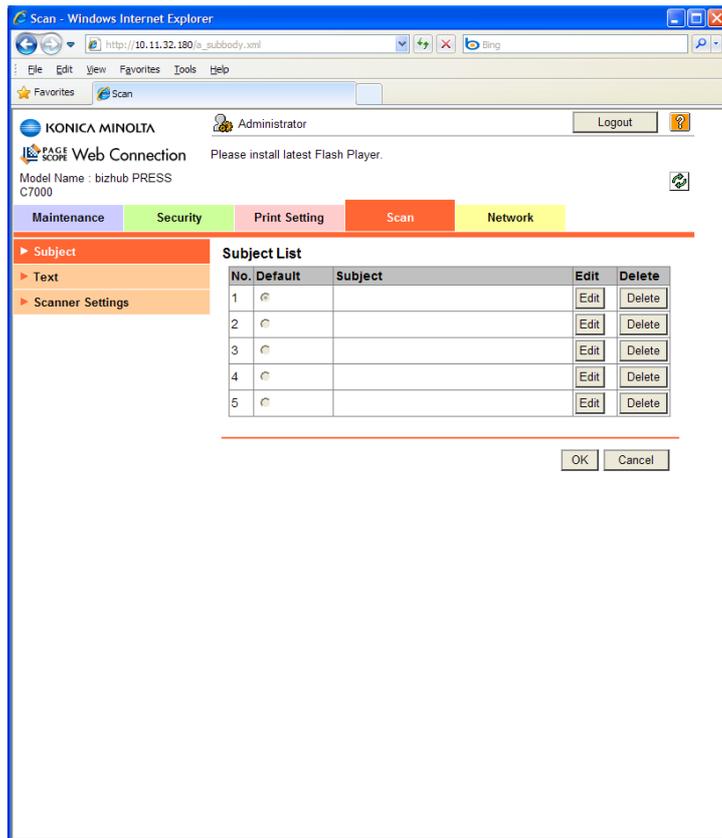
Item	Description
[Authentication Setting]	Configure the User Authentication or Account Track setting in this machine. To enable authentication, configure the number of assigned counters or the When Number of Jobs Reach Maximum setting. When [User Authentication] or [Account Track] is being conducted in [Default Function Permission], the Initial Setting Limit at the User (Account) Registration can be specified.
[User Registration]	When enabling User Authentication, register the target user or configure user setting.
[Account Track Registration]	When enabling Account Track, register and edit the target account.
[SSL/TLS Setting]	Specify the items to validate a certificate.
[Auto Logout]	Specify the time to automatically log out the administrator or user mode.
[Administrator Password Setting]	Specify the password to log in to the administrator mode.

14.5.3 Printer Setting



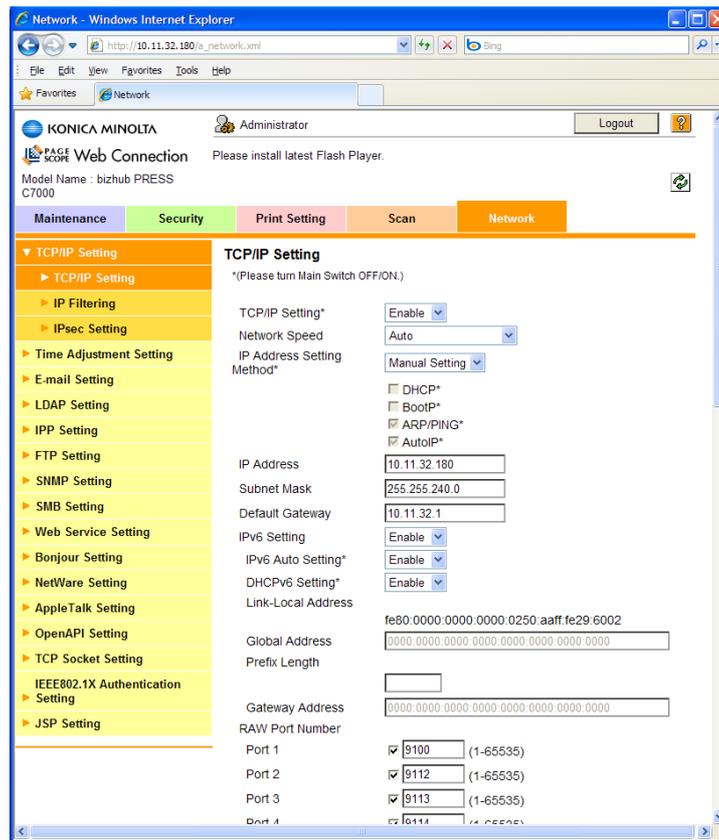
Item	Description
[Direct Print Settings]	6 patterns of printer default settings for direct print can be registered. [Basic Setting] and [PS Setting] selected by the [Default Setting] radio button registered can be displayed at [PS Setting] under [Information] - [Print Setting Information] - [Basic Setting].
[Print Setting]	Initiates Driver Print Setting.
[Job Spool Setting]	Specify whether to set the job spool setting or not.
[Interface Setting]	Specify the timeout period of the interface.
[Select Printer Setting]	Specify the output setting for each port.

14.5.4 Scan



Item	Description
[Subject]	Register up to 5 subjects to be used when sending an E-mail.
[Text]	Register up to 5 body messages to be used when sending an E-mail.
[Scan Settings]	Specify settings on the scanner function.

14.5.5 Network



Item	Description
[TCP/IP Setting]	Configure the TCP/IP setting when connecting this machine via network.
[Time Adjustment Setting]	Specify whether to adjust time using an NTP server or not.
[E-mail Setting]	Configure the settings to send or receive E-mails, and specify the extension function such as E-mail authentication.
[LDAP Setting]	Configure the settings to register the LDAP server.
[IPP Setting]	Configure the IPP print setting.
[FTP Setting]	Configure the settings to use this machine as an FTP client or server.
[SNMP Setting]	Configure SNMP settings.
[SMB Setting]	Configure the SMB client, WINS, SMB print, or Direct Hosting setting.
[Web Service Settings]	Configure the settings to perform scanning or printing using Web services.
[Bonjour Setting]	Configure Bonjour settings.
[NetWare Setting]	Configure NetWare settings.
[AppleTalk Setting]	Configure AppleTalk settings.
[OpenAPI Settings]	Configure the OpenAPI settings.
[TCP Socket Setting]	Configure the TCP Socket settings to have a data communication between this machine and the application software in your computer.
[IEEE802.1x Authentication Setting]	Configure IEEE802.1X authentication settings.
[JSP Setting]	Specify settings on JSP.

15 Utility tool

15 Utility tool

15.1 Font Management Utility

You can use "Font Management Utility" to add or delete a PostScript font to the image controller.



Reference

For details, refer to User's Guide in [Font Management Utility] in the "PAGESCOPE UTILITIES" CD-ROM.

16

Troubleshooting

16 Troubleshooting

16.1 Cannot print

This section describes how to solve issues and problems that you may encounter while using the printer.

If you cannot print even when you have completed the printing procedure, check the following items in order from beginning to end.

Problem	Possible Cause	Remedy
A message saying "Printer is not connected" or "Print Error" appears on the computer screen.	The printer driver specified when printing may not be supported by the image controller.	Check the specified printer name.
	The network or USB cable may be disconnected.	Check that the cable is correctly connected.
	An error may have occurred on this machine.	Check the control panel of this machine.
	Memory may be insufficient.	Perform a test printing to check whether printing is possible.
A postscript error appears on the computer screen.	Memory of the computer may be insufficient.	Perform a test printing to check whether printing is possible.
	There may be an error in the application software settings.	Refer to the user's manual of the application software to check the settings.
	The file printing settings may be incorrect.	Change the settings and try to print again.
Print processing on the computer finished, but printing does not start.	The printer driver specified when printing may not be supported by the image controller.	Check the specified printer name.
	The network or USB cable may be disconnected.	Check that the cable is correctly connected.
	An error may have occurred on this machine.	Check the control panel of this machine.
	Unprocessed jobs may remain on this machine and be waiting to be processed.	Check the processing order for the job using Job List on the control panel of this machine.
	When executing the print job, [Save] may have been specified.	Check from the control panel of the machine whether the intended print job is held in a User Box.
	[Secure Print Only] may be specified on the machine.	Use [Secure Print] when executing the print job.
	When the account track is enabled, you may have entered an unregistered account track code or password.	Enter the correct account track code and password.
	When the user authentication is enabled, you may have entered an unregistered user name or password.	Enter the correct user name or password.
	Memory of the computer may be insufficient.	Perform a test printing to check whether printing is possible.

Problem	Possible Cause	Remedy
	Network connection with the image controller is not established (when connecting via the network).	Contact your network administrator.
	This machine may be in the enhanced security mode.	Configure authentication settings in the enhanced security mode. For details, contact the printer administrator.
Secure print is not available.	The password rules may be enabled on the machine.	Specify a password according to the password rules.
	Different encryption passphrases may be specified for the printer driver and the machine.	Specify the same encryption passphrase for the machine and the printer driver.
Jobs saved in a User Box have disappeared.	Jobs saved in a User Box may be deleted due to the settings on the machine.	Check the User Box settings for the machine. For details, refer to [User's Guide - POD Administrator's Reference].
Printing in the user authentication or account track mode is not available.	The user name, account name or password is incorrect.	Enter the correct user name, account name and password.
	User authentication or account track may be disabled on the printer driver.	Enable user authentication or account track on the printer driver.
	Different encryption passphrases may be specified for the printer driver and the machine.	Specify the same encryption passphrase for the machine and the printer driver.
	The entered user name or account name may not be authorized.	Check with the administrator whether the user name or account name concerned is authorized for printing.
Printing is not available when you have selected [Public User] in user authentication.	Printing by public users may be prohibited on the machine.	Check with the administrator whether printing by public users is permitted.

When the above troubleshooting does not eliminate the problem, refer to the [User's Guide - Copier].

16.2 Cannot configure the settings/Cannot print according to the settings

Check the following items when you cannot configure settings of the printer driver or cannot print according to the settings you have configured.

Reference

- Some items for the printer driver may not be configured simultaneously.

16.2.1 The printer driver settings have no effect

Problem	Possible Cause	Remedy
Cannot select items in the printer driver.	Some functions cannot be combined.	Grayed out items cannot be configured.
A "conflict" message saying "unable to configure" or "function will be canceled" appears.	You are trying to configure the functions that cannot be combined.	Check carefully the functions you have specified, and then specify the functions that can be combined.
Cannot print according to the settings you have configured.	The settings may not be configured correctly.	Check the setting of each item of the printer driver.
	The selected functions can be combined in the printer driver, but may not be combined in this machine.	
	The paper size or paper orientation specified in the application may take precedence over the settings in the printer driver when printing.	
The staple function cannot be specified.	The staple function requires the optional Finisher FS-521, FS-531 or FS-612.	Install the required options and enable them on the printer driver.
Cannot staple.	When printing a large number of pages, stapling cannot be performed.	Change the number of pages to be printed.
	If the document contains pages of different sizes, stapling cannot be performed.	Check the document.
The stapling position is not as expected.	The orientation setting is not correct.	Check the stapling position in the printer driver settings.
Cannot specify the punch function.	It requires FD-503, a punch kit, or multi hole punch.	Install the required options and enable them on the printer driver.
	The hole punching cannot be specified when Booklet is selected as the paper type.	Check the setting of each item of the printer driver.
Cannot punch.	Printed pages may be fed out without being punched if the paper is loaded into the paper source with an incorrect orientation.	Check the orientation setting.
The punch position is not as expected.	The orientation setting is not correct.	Check the punching position in the printer driver settings.
Combination fails; pages are not combined, but are printed separately.	Originals having different orientations are combined.	Align the orientations of the original.
The overlay is not printed properly.	Memory of the computer may be insufficient.	Simplify the overlay to reduce the data size.
Images are not printed properly.	Memory of the computer may be insufficient.	Simplify the images to reduce the data size.

Problem	Possible Cause	Remedy
Paper is not fed from the specified paper source.	Paper will not be fed from the specified paper source if that paper source is loaded with paper of a different size or orientation.	Load the paper of the appropriate size and orientation into the desired paper source.
The user authentication or account track setting field is grayed out and cannot be specified.	User authentication or account track may be disabled on the Windows printer driver.	In the [Configure] tab, enable user authentication or account track.

16.2.2 Others

Problem	Possible Cause	Remedy
Cannot install the printer driver.	It has already been installed in Windows Vista/Server 2008/ 7 as a printer compatible with the Web service print function.	If you try to install a printer driver in Windows Vista/Server 2008/ 7 by use of the Web service print function, it is recognized as installed before the actual installation is completed. Uninstall the printer in the [Network] Window, and then install it again.

16.2.3 Error message

Message	Cause and remedy
A connection to the network was not able to be established.	A connection to the network was not able to be established. Make sure that the network cable is correctly connected. In addition, make sure that [Network Settings] in [Administrator Settings] have been correctly configured.

17

Product Specification/Report

17 Product Specification/Report

17.1 Product specifications

Item	Specifications
Type	Built-in printer controller
Power supply	Common with the machine
RAM	2GB x 2
HDD	250 GB x 2
SSD	2 GB
I/F	Ethernet (1000Base-T/100Base-TX/10Base-T) USB 2.0
Frame type	Ethernet 802.2 Ethernet 802.3 Ethernet II Ethernet SNAP
Supported protocols	TCP/IP (IPv4/IPv6), BOOTP, ARP, ICMP, DHCP, DHCPv6, AutoIP, SLP, SNMP, FTP, LPR/LPD, RAW Socket, SMB over, TCP/IP, IPP, HTTP, POP, SMTP, LDAP, NTP, SSL, IPX/SPX, AppleTalk, Bonjour, NetBEUI, WebDAV, DPWS, S/MIME, IPsec, DNS, DynamicDNS, LLMNR, LLTD
Printer language	PostScript 3 (3019)
Operating environment conditions	Temperature: 10 to 30 degrees Centigrade Humidity: 15 to 85%RH
Resolution	1200 dpi x 1200 dpi 600 dpi x 600 dpi
Fonts (Built-in fonts)	<PostScript 3> European 137 fonts Japanese HG Mincho L HG Gothic B
Compatible computer	IBM PC or compatible, and Macintosh (PowerPC, Intel Processor)

Item	Specifications	
Printer driver	PS Plug-in Driver	Windows 2000 Professional (Service Pack 4 or later) Windows 2000 Server (Service Pack 3 or later) Windows XP Home Edition (Service Pack 1 or later) Windows XP Professional (Service Pack 1 or later) Windows Server 2003, Standard Edition (Service Pack 1 or later) Windows Server 2003, Enterprise Edition (Service Pack 1 or later) Windows XP Professional x64 Edition Windows Server 2003, Standard x64 Edition Windows Server 2003, Enterprise x64 Edition Windows Vista Business * Windows Vista Enterprise * Windows Vista Home Basic * Windows Vista Home Premium * Windows Vista Ultimate * Windows Server 2008 Standard * Windows Server 2008 Enterprise * Windows 7 Home Basic * Windows 7 Home Premium * Windows 7 Professional * Windows 7 Enterprise * Windows 7 Ultimate * * Supports 32-bit (x86)/64-bit (x64) environment.
	PPD driver	Windows Vista Business * Windows Vista Enterprise * Windows Vista Home Basic * Windows Vista Home Premium * Windows Vista Ultimate * Windows Server 2008 Standard * Windows Server 2008 Enterprise * Windows 7 Home Basic * Windows 7 Home Premium * Windows 7 Professional * Windows 7 Enterprise * Windows 7 Ultimate * * Supports 32-bit (x86)/64-bit (x64) environment.
Utility	PageScope Web Connection Compatible Web browsers: <For Windows> <ul style="list-style-type: none"> • Microsoft Internet Explorer Ver. 6/7/8 (JavaScript and Cookies enabled) • Mozilla Firefox 1.0 or later (JavaScript and Cookies enabled) <For Macintosh MacOS 9.x/MacOS X> <ul style="list-style-type: none"> • Mozilla Firefox 1.0 or later (JavaScript and Cookies enabled) <For Linux> <ul style="list-style-type: none"> • Mozilla Firefox 1.0 or later (JavaScript and Cookies enabled) Adobe® Flash® Player : <ul style="list-style-type: none"> • Plug-in Ver.7.0 or later required to select Flash as the display format. 	
MetaFrame operating environment	The operation of this driver has been confirmed only in the following environments. Citrix Version: XenAPP5.0 Server OS: Windows Server 2003/2008 Client OS: Windows XP SP2 (32/64Bit)/Windows Vista SP2 (32/64Bit) * For operating in an environment other than those described above, consult the dealer.	

17.2 Printing reports

17.2.1 Colored Setting



Color Setting

Default Color Configuration Settings

Color Configuration srgb_rgb_dlp_img

Default Manual Settings

----- RGB -----

RGB-CMYK Manual Settings: Use RGB Source Profile

Use RGB-CMYK Device Link Profile
 Image: srgb_rgb_dlp_img
 Graphic: srgb_rgb_dlp_grptxt
 Text: srgb_rgb_dlp_grptxt

Use RGB Source Profile: sRGB_IEC61966-2-1_withD50
 Rendering
 Image: Saturation
 Graphic: Saturation
 Text: Saturation

RGB Simulation: Off

----- CMYK -----

CMYK Related Settings: Use CMYK Target Profile

Use CMYK-CMYK Device Link Profile
 Image: JC2001_type3_dlp_img
 Graphic: JC2001_type3_dlp_grp
 Text: JC2001_type3_dlp_txt

Use CMYK Target Profile: JC2001_type3
 Paper Simulation: Off

----- Other Settings -----

Whole Settings

Printer Profile: C7000_C6000_COAR

Printer Link Type: Off

Tone Curve: DefaultToneCurve

Pure Black: Text/Graphic

Gray Replacement: Off

Black Overprint: On

Composite Overprint: Off

Use Spot Color: Off

Use Alternative Color Conversion: Off

17.2.2 Network Settings



KONICA MINOLTA

Network Setting

TCP/IP Setting

```

TCP/IP Setting: Enable
IP Address Set Method: Direct Setting
Auto Setting DHCP Setting: Disable
BOOTP Setting: Disable
ARP/PING Setting: Enable
MOTO IP Setting: Enable
Direct Setting IP Address: 10.11.32.180
                Subnet Mask: 255.155.240.0
                Default Gateway: 10.11.32.1
IPv6 Auto Setting: Enable
                IPv6 Auto Setting: Enable
                IPv6 DHCP Setting: Enable
                Global Address: 0000:0000:0000:0000:0000:0000:0000:0000
                Prefix Length: 0
                Link Local Address: fe80::0000:0000:0000:0210:a
                aff:fe89:8002
                Gateway Address: 0000:0000:0000:0000:0000:0000:0000:0000
DNS Server Setting(IPv4)
DNS Server Auto Setting: Enable
Primary DNS Server: 0.0.0.0
Secondary DNS Server1: 0.0.0.0
Secondary DNS Server2: 0.0.0.0
DNS Server Setting(IPv6)
DNS Server Auto Setting: Enable
Primary DNS Server: 0000:0000:0000:0000:0000:0000:0000:0000
Secondary DNS Server1: 0000:0000:0000:0000:0000:0000:0000:0000
Secondary DNS Server2: 0000:0000:0000:0000:0000:0000:0000:0000
Dynamic DNS Setting: Disable
Host Name: EMRT296002
LENSR Setting: Enable
DNS Domain Name Setting
DNS Domain Auto Obtain: Enable
DNS Domain Search Auto Obtain: Enable
DNS Default Domain Name:
DNS Search Domain Name1:
DNS Search Domain Name2:
DNS Search Domain Name3:
RAW port
RAW1 port(0100): Enable
RAW2 port(0112): Enable
RAW3 port(0113): Enable
RAW4 port(0114): Enable
RAW5 port(0115): Enable
RAW6 port(0114): Enable
IP Filtering
Permission Setting: Disable
Range1: 0.0.0.0-0.0.0.0
Range2: 0.0.0.0-0.0.0.0
Range3: 0.0.0.0-0.0.0.0
Range4: 0.0.0.0-0.0.0.0
Range5: 0.0.0.0-0.0.0.0
Denial Setting: Disable
Range1: 0.0.0.0-0.0.0.0
Range2: 0.0.0.0-0.0.0.0
Range3: 0.0.0.0-0.0.0.0
Range4: 0.0.0.0-0.0.0.0
Range5: 0.0.0.0-0.0.0.0
IPsec Setting: Prohibit
IKE Setting
Group1 Encryption Algorithm: Disable
      Authentication Algorithm: Disable
Group2 Encryption Algorithm: Disable
      Authentication Algorithm: Disable
Group3 Encryption Algorithm: Disable
      Authentication Algorithm: Disable
Group4 Encryption Algorithm: Disable
      Authentication Algorithm: Disable
Key Valid Time: 28800
Diffie-Hellman Group: Group2
    
```

NetWare Setting

```

IPX Setting: Disable
NetWare Setting
Ethernet Frame Type: Auto Detect
NetWare Print Mode: Disable
Foerver Setting
Print Server Name: EMRT296002
Print Server Password: *****
Polling Interval: 1
Bindery/NDS Setting: NDS
File Server Name:
NDS Content Name:
NDS True Name:
HyPrinter/Printer Setting
Print Server Name: EMRT296002
Printer Number: 255
    
```

17.2.3 Machine Setting



KONICA MINOLTA

Machine Setting

Firmware Version

```

Rom Version: A213061-00P1-F09-2109
HEX Version: 10-0013
PS Version: 0.9.10
PWL Version: 1.4
  
```

System Setting

Software Switch Setting				
1: Off	21: Off	41: Off	61: Off	81: Off
2: Off	22: Off	42: Off	62: Off	82: Off
3: Off	23: Off	43: Off	63: Off	83: Off
4: Off	24: Off	44: Off	64: Off	84: Off
5: Off	25: Off	45: Off	65: Off	85: Off
6: Off	26: Off	46: Off	66: Off	86: Off
7: Off	27: Off	47: Off	67: Off	87: Off
8: Off	28: Off	48: Off	68: Off	88: Off
9: Off	29: Off	49: Off	69: Off	89: Off
10: Off	30: Off	50: Off	70: Off	90: Off
11: Off	31: Off	51: Off	71: Off	91: Off
12: Off	32: Off	52: Off	72: Off	92: Off
13: Off	33: Off	53: Off	73: Off	93: Off
14: Off	34: Off	54: Off	74: Off	94: Off
15: Off	35: Off	55: Off	75: Off	95: Off
16: Off	36: Off	56: Off	76: Off	96: Off
17: Off	37: Off	57: Off	77: Off	97: Off
18: Off	38: Off	58: Off	78: Off	98: Off
19: Off	39: Off	59: Off	79: Off	99: Off
20: Off	40: Off	60: Off	80: Off	100: Off

Direct Print Setting

```

Setting Number (1-6): 1

----- Setting Number 1 -----
Basic Settings
01 PCL: Auto
02 Paper Tray Setting: Auto
03 Output Tray Setting: Auto
04 Simplex/Duplex: Simplex
05 Binding Position: Left
06 Staple: Off
07 Punch: Off
08 Fold/Trimming: Off
09 Offset: Off
10 Output Application: Face Down
11 Order: ItOH
12 Sets: 1
13 Sort/Group: Sort
14 Paper Size:A4
15 Orientation: Portrait
16 Banner Option: Off
17 Banner Tray: Auto
18 Convert Paper Size: Off
19 Combine Originals/Image Repeat: Off
20 Booklet Pagination: Off
21 Adhesive binding: Off
22 Image Pos.: Lead Edge
23 File Permission: Off
24 Quality(dpi): 1200
25 Feed Direction: Auto
26 Colored Paper: White
27 Paper Type: Plain
28 Postcard Full Bleed: Off
PS Setting
01 PS Error Print: On

----- Setting Number 1 -----
Basic Settings
01 PCL: Auto
02 Paper Tray Setting: Auto
03 Output Tray Setting: Auto
04 Simplex/Duplex: Simplex
05 Binding Position: Left
06 Staple: Off
07 Punch: Off
08 Fold/Trimming: Off
09 Offset: Off
10 Output Application: Face Down
11 Order: ItOH
12 Sets: 1
13 Sort/Group: Sort
14 Paper Size:A4
15 Orientation: Portrait
16 Banner Option: Off
17 Banner Tray: Auto
18 Convert Paper Size: Off
19 Combine Originals/Image Repeat: Off
20 Booklet Pagination: Off
21 Adhesive binding: Off
22 Image Pos.: Lead Edge
23 File Permission: Off
24 Quality(dpi): 1200
25 Feed Direction: Auto
26 Colored Paper: White
27 Paper Type: Plain
28 Postcard Full Bleed: Off
PS Setting
01 PS Error Print: On
  
```

17.2.4 PS Demo Page Print


 KONICA MINOLTA

PostScript® Test Page



PostScript Version: 3019.101(0)
Serial Number: 901002

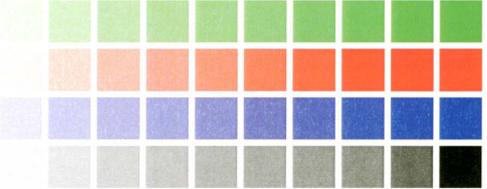


System RAM: 128MB
PostScript VM: 122918528 bytes
Free VM: 1171002 bytes



Disk0: 9467.02 MB Total, 8802.5 MB Free
Disk1: 9467.02 MB Total, 8802.5 MB Free
Disk2: 9467.02 MB Total, 8802.5 MB Free





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18 Appendix

18 Appendix

18.1 PPD driver (For Linux and applications)

18.1.1 PPD driver types

The PPD driver contains the PPD information for Linux and applications.

- Driver for Linux: Install for use with Linux (Contains PPD for Linux and PPD for OpenOffice)
- Driver for applications: Install when using applications such as Adobe PageMaker that require the PPD driver.

18.1.2 PPD driver for Linux

Operating environment

The PPD driver operates in the environment where systems are combined as follows.

- OS:Red Hat Enterprise Linux 4 -CupsVersion:1.1
- OS:SuSE Linux 10.1 -CupsVersion:1.2
- OpenOffice v1.1.5

Registering the PPD driver for Linux

- 1 Copy the PPD file to the CUPS model directory. (/usr/share/cups/model for major Linux)
- 2 In [Add Printer] of the CUPS printing system, specify PPD to add this machine.
→ For details on CUPS, refer to [Help] in the CUPS Web management page.

Configuring the PPD driver for Linux

In [Configure Printer] of the CUPS printing system, configure the functions.

Registering the PPD driver for OpenOffice

- 1 In [Add Printer] of the CUPS printing system, specify PPD to add this machine.
- 2 Open the OpenOfficePrinterAdministrator tool.
- 3 Click [New Printer].
- 4 In the [Choose a device type] window, select [add a printer], and then click [Next].
- 5 In the [Choose a driver] window, click [import].
- 6 Select [KOC7000opn.ppd], and then click [OK].
- 7 From the [Please Select a Suitable driver.] list, select [KOC7000opn.ppd], and then click [Next].
- 8 In the [Choose a command line] window, select the printer registered to CUPS, and then click [Next].
- 9 Click [Finish].

Printing with OpenOffice

- 1 In OpenOffice, select File-Print.
- 2 Select [KOC7000opn.ppd] in [Printer name].

- 3 Click [Properties].
- 4 Select the desired setting in [Page size], and then click [OK].
To configure settings other than Page Size, click [Configure Printer] in CUPS.
- 5 Click [OK] in the OpenOffice print window to print.

18.1.3 PPD driver for applications

PPD registration destination (Example: Adobe PageMaker)

- For PageMaker 6.0:
Copy the PPD file to RSRCPD4 under the folder to which PageMaker is installed.
- For PageMaker 6.5 and 7.0:
Copy the PPD file to RSRC<Language>PPD4 under the folder to which PageMaker is installed.

How to print

- 1 Select [File] - [Print].
- 2 From the [PPD] box in the print window, select this machine.
- 3 Configure the [Paper] and [Features] settings for the printer.
- 4 Click the [Print] button to print.

18.2 Glossary

Item	Description
10Base-T/ 100Base-TX/ 1000Base-T	A set of specifications under the Ethernet standards. Cables made of 2 stranded copper wire rods are used. Communication speed is 10Mbps with 10Base-T, 100Mbps with 100Base-TX, and 1000Mbps with 1000Base-T.
Adobe® Flash®	Software or its file format developed by Adobe Systems Inc. (formerly by Macromedia, Inc.), used to create a content by compiling vector-graphic animations and sounds. The software allows handling interactive contents using keyboard or mouse. The files can be kept relatively compact and accessed from a Web browser with dedicated plug-in software.
AppleTalk	The generic name for the protocol suite developed by Apple Computer for computer networking.
bit	The abbreviation for binary digit. The smallest unit of information (data quantity) handled by a computer or printer. A bit uses only a 0 or a 1 to indicate data.
BMP	The abbreviation for bitmap. This is a file format for saving image data. (The file extension is ".bmp".) Commonly used on Windows platforms. BMP covers the color depth from monochrome (2 values) to full color (16,777,216 colors). BMP images are not suitable for compressed storage.
Bonjour	A Macintosh network technology, automatically detecting a device connected to the network for automatic configuration. Previously called "Rendezvous", and has been changed to "Bonjour" since Mac OS X v10.4.
BOOTP	The abbreviation for Bootstrap Protocol. The protocol is used for a client computer on the TCP/IP network to load network configuration automatically from a server. Instead of BOOTP, DHCP, an advanced protocol based on BOOTP, is typically used today.
Brightness	Brightness of a display or other screen.
Byte	A byte indicates a unit of information (data quantity) handled by a computer or printer. A byte consists of eight bits.
client	A computer using services provided by servers via the network.
Default Gateway	A device, such as a computer or router, used as a "gateway" to access computers on different LANs.
DHCP	The acronym for Dynamic Host Configuration Protocol. The protocol is used for a client computer on the TCP/IP network to load network configuration automatically from a server. Just using a DHCP server to centrally manage IP addresses of the DHCP clients enables you to construct a network without IP address conflicts or other troubles.
DNS	Abbreviation of Domain Name Systems. DNS allows for obtaining the IP address corresponding to a host name in network environments. This system enables a user to access other computers on the network by specifying host names instead of elusive and non-intuitive IP addresses.
DPI (dpi)	Abbreviation of Dots Per Inch. Unit of resolution used with printers, scanners, etc. This indicates the number of dots used to represent an inch. The higher this value, the higher the resolution.
Driver	Software to act intermediately between the computer and peripheral devices.
Ethernet	Standard for the LAN transmission line.
Frame type	A type of communication format used in NetWare environments. For mutual communication, the same frame type is required.
FTP	Abbreviation of File Transfer Protocol. A protocol used to transfer files on the TCP/IP network such as Internet, Intranet, etc.
Gateway	Hardware or software serving as a point connecting networks. A gateway not only connects networks but also changes data formats, addresses, and protocols according to the connected networks.
Gray Scale	A form of presenting monochrome image by using the gradation information shifting from black to white.
Hard disk	Mass storage device to save data. The data is retained even after the power is turned off.

Item	Description
Host Name	Name of a device on the network.
HTTP	Abbreviation of HyperText Transfer Protocol. A protocol used to transmit or receive data between a web server and client (web browser, etc.). Files of image, voice, animation, etc. correlated with the document can be exchanged including the expression form and other information.
Install	To install hardware, operating systems, applications, printer drivers, or other software on to a computer.
IP Address	A code (address) to identify individual network devices on the Internet. IPv4 (Internet Protocol version 4), a protocol widely used today, adopts a 32-bit number for an IP address separated into four sections. An example of an IPv4 IP address is: 192.168.1.10. On the other hand, IPv6 (Internet Protocol version 6), the next generation protocol, adopts 128-bit IP addresses. An IP address is allocated to all computers and other devices connected to the Internet.
IPP	The acronym for Internet Printing Protocol. This is a protocol used to send or receive print data or control printers via the Internet or other TCP/IP network. IPP can also send and print data to printers in remote areas via the Internet.
IPX	One of the protocols used for NetWare. IPX runs in the network layer of the OSI reference model.
IPX/SPX	The abbreviation for Internetwork Packet Exchange/Sequenced Packet Exchange. This is a protocol developed by Novell, Inc., typically used in NetWare environments.
LAN	The acronym for Local Area Network. This is a network constructed by connecting computers on the same floor, in the same building, or in neighboring buildings.
Local printer	A printer connected to a parallel or USB port of a computer.
LPD	The acronym for Line Printer Daemon. This is a platform-independent printer protocol running on the TCP/IP network. The protocol was originally developed for BSD UNIX, and has become one of the printing protocols typically used among general computers.
LPR/LPD	The acronym for Line Printer Request/Line Printer Daemon. This is a printing method implemented via networks, used for Windows NT or UNIX based systems. It uses TCP/IP to output printing data from Windows or UNIX to a printer on the network.
MAC address	MAC is the acronym for Media Access Control. A MAC address is an ID number unique to each Ethernet card, enabling sending or receiving data to or from other Ethernet cards. A Mac address is a 48-bit number. The first 24 bits are controlled by IEEE and used to allocate a unique number to each manufacture, whereas the latter 24 bits are used by each manufacturer to assign a unique number to each card.
Memory	Unit to save data temporarily. Some types of memory retain data even after the power is turned off, while others not.
NDPS	The acronym for Novell Distributed Print Services. This provides a high performance printing solution in NDS environments. Using NDPS for the print server simplifies and automates complicated management activities related to printer use. For example, you can print to a desired printer or automatically download the printer driver for a newly installed printer. NDPS print servers also integrate management related to the network printers.
NDS	The acronym for Novell Directory Services. This allows the centralized management in a hierarchical structure of shared resources such as servers, printers and users information on the network, as well as the access privilege and other information related to the users.
NetBEUI	The abbreviation for NetBIOS Extended User Interface. This is a network protocol developed by IBM. NetBEUI enables you to construct a small-scale network simply by configuring computer names.
NetBIOS	Abbreviation of Network Basic Input Output System. This is a communication interface developed by IBM.
NetWare	A network operating system developed by Novell. This uses NetWare IPX/SPX for the communication protocol.
Nprinter/ Rprinter	A remote printer support module used when using a printer server in NetWare environments. Rprinter is used for NetWare 3.x, and Nprinter for NetWare 4.x.

Item	Description
OHP/OHT	A transparent sheet used for OHP (Overhead projector). This is used for presentations.
OS	Abbreviation of Operating System. Basic software to control the computer system. Windows, MacOS, and Unix are examples.
Outline font	A type of fonts represented using lines and curves to display an outline of a character. Larger-size characters can be displayed on a screen or printed with no jagged edges.
PDF	Abbreviation of Portable Document Format. One of electronic documents (extension: .pdf). PDF is a PostScript based format, and can be viewed using Adobe Acrobat Reader, a free viewer software.
PDL	The acronym for Page Description Language. This is a language used to instruct a page printer about images being printed on each page.
Peer-to-peer	A type of network where the connected devices can be communicate with each other without using a dedicated server.
Plug and play	A mechanism used to immediately detect a peripheral device when it is plugged into a computer, and search for an appropriate driver automatically, so that the device becomes operable.
PostScript	A typical page-descriptive language developed by Adobe and commonly used for high quality printing.
PPD	The acronym for PostScript Printer Description. This is a file with the description of resolution, available paper sizes, and other information specific to a PostScript printer model.
Preview	A function allowing you to view a result image before being actually processed for printing or scanning.
Print job	A print request transmitted from a computer to a printing device.
Print queue	A software system used by a spooler to save generated print jobs.
Printer buffer	A memory area temporarily used for processing data of print jobs.
Printer driver	Software acting as an intermediate between the computer and printer.
Property	Attribute information. When using a printer driver, different functions can be configured by utilizing its properties. By using properties of a file, you can check the attribute information about the file.
Protocol	Rules by which a computer communicates with other computer or peripheral device.
Proxy server	A server that is installed to act as an intermediary connection between each client and different servers to effectively ensure security over the entire system for Internet connections.
PServer	A print server module available in NetWare environments. This module monitors, changes, pauses, restarts, or cancels print jobs.
Queue name	A logical printer name required for LPD/LPR printing.
Queue Name	A name assigned to each device for allowing printing to the device via network.
Resolution	Degree how correctly the details of images or prints can be reproduced.
RGB	The acronym for Red, Green, and Blue. The RGB are the primary three colors used for monitor and other devices, producing any of the full colors by changing their brightness ratio.
RIP	The acronym for Raster Image Processor. RIP extracts picture images from text data created using PostScript or other page description language. This processor is usually integrated into a printer.
Samba	UNIX server software which uses SMB (Server Message Block) to make UNIX system resources available to Windows environments.
Screen font	A type of fonts used for displaying characters and symbols on a CRT or other monitor.
Shared printer	A printer connected to a server on the network and configured to be used by multiple computers.

Item	Description
SLP	The acronym for Service Location Protocol. This is a protocol that provides capabilities such as finding services or automatic client configuration on the TCP/IP network.
SMB	Abbreviation of Server Message Block. A protocol used mainly to realize sharing of files or printers through the network between Windows.
SMTP	Abbreviation of Simple Mail Transfer Protocol. A protocol to transmit or transfer the electronic mails.
SNMP	The acronym for Simple Network Management Protocol. This is a management protocol in the TCP/IP network environments.
Spool	The acronym for Simultaneous Peripheral Operation On-Line. Data to be output to a printer is not sent directly to the printer, but is temporarily stored in another location. The stored data is then sent collectively to the printer.
Subnet mask	A value used to divide a TCP/IP network into small networks (subnetworks). This is used to identify how many higher-order bits of an IP address are used for the network address.
TCP/IP	Abbreviation of Transmission Control Protocol/Internet Protocol. It is a de facto standard protocol widely used for the Internet. An IP address is used to identify each network device.
Touch & Print	A feature that allows documents sent from the printer driver to be printed simply by placing your finger or IC card on the authentication unit connected to the printer when the user authentication is enabled. In order to use the Touch & Print feature, an authentication unit must be connected to this machine, and the vein patterns or the ID of the IC card for each user must be registered.
TrueType	A type of outline font developed by Apple and Microsoft, and currently used as a standard font type for Macintosh and Windows. This type of font can be used both for display and printing.
Uninstall	To delete software installed on a computer
USB	The acronym for Universal Serial Bus. This is a general-purpose interface defined for connecting a mouse, printer, and other devices with a computer.
Web browser	Software to access web pages. Typical Web browsers include Internet Explorer and Netscape Navigator.
WINS	The acronym for Windows Internet Naming Service. This is a service, available in Windows environments, to call the name server responsible for conversion between a computer name and an IP address.
XPS	Abbreviation of XML Paper Specification. This is one of the electronic document formats developed by Microsoft Corporation. It is first supported in Windows Vista.

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