

IC-601

User's Guide Printer

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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

In case of bizhub PRESS C7000/C6000:

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 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 Adjustment • Application, Output Setting, 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 settings of the printer drivers and utility tool of IC-601. <ul style="list-style-type: none"> • Adobe PS driver • PostScript3 Plug-in driver • XPS driver • PageScope Web Connection
[User's Guide - Network Scanner (IC-306/IC-413)]	This guide describes the operation of network scanner functions using IC-306/IC-413. <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 CD manuals	Overview
[User's Guide - Network Scanner (IC-601)]	<p>This guide describes the operation of network scanner functions using IC-601.</p> <ul style="list-style-type: none"> • Scan to E-Mail • Scan to HDD • Scan to FTP • Scan to SMB
[User's Guide - Security]	<p>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.</p>
[Trademarks/Copyrights]	<p>This guide describes trademarks, licenses and copyrights concerning this machine. Please be sure to read this guide before using the machine.</p>

In case of bizhub C7000P/C70hc:

Printed manual	Overview
[Safety Information]	<p>This guide 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.</p>

User's guide CD manuals	Overview
[User's Guide - Main Body]	<p>This guide describes an outline of the machine and printing operations. It also provides you with detailed information on machine management and how to customize the machine according to your daily use.</p> <ul style="list-style-type: none"> • Configuration and specifications of the main body and options • Turning on/off the machine • Paper information • Supplies, disposals, and handling of output paper • Quality Adjustment • Application, Output Setting, and Job List • Troubleshooting • Both Sides Adjustment, Curl Adjustment • Controller settings • Adjustment, Utility Menu Screen • Network settings, PageScope Web Connection • Web Utilities
[User's Guide - Printer (IC-601)]	<p>This guide describes the settings of the printer drivers and utility tool of IC-601.</p> <ul style="list-style-type: none"> • Adobe PS driver • PostScript3 Plug-in driver • XPS driver • PageScope Web Connection
[User's Guide - Security]	<p>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.</p>
[Trademarks/Copyrights]	<p>This guide describes trademarks, licenses and copyrights concerning this machine. Please be sure to read this guide before using the machine.</p>

In case of bizhub PRESS C8000:

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 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 - Main Body]	This guide describes an outline of the machine and printing operations. <ul style="list-style-type: none"> • Configuration and specifications of the main body and options • Turning on/off the machine • Paper information • Printing operations • Supplies, disposals, and handling • Troubleshooting • Both Sides Adjustment, Curl Adjustment • Controller settings • Adjustment, Utility Menu Screen • Network settings, PageScope Web Connection • Web Utilities
[User's Guide - Copier]	This guide describes copy operations available on the machine with the optional Paper Feeder Unit (with scanner) PF-705 equipped. <ul style="list-style-type: none"> • Making a basic copy and setting procedures • Quality Adjustment • Application, Output Setting, and advanced information • Troubleshooting related to copy operations • Settings on Adjustment and Utility Menu screens related to copy operations • Specifications of the main body and ADF configured with the optional Paper Feeder Unit (with scanner) PF-705
[User's Guide - Printer (IC-601)]	This guide describes the settings of the printer drivers and utility tool of IC-601. <ul style="list-style-type: none"> • Adobe PS driver • PostScript3 Plug-in driver • XPS driver • PageScope Web Connection
[User's Guide - Network Scanner (IC-306)]	This guide describes the operation of network scanner functions using IC-306. <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 network scanner functions using IC-601. <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.

User's guide CD manuals	Overview
[Trademarks/Copyrights]	This guide describes trademarks, licenses and copyrights concerning this machine. Please be sure to read this guide before using the machine.

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.

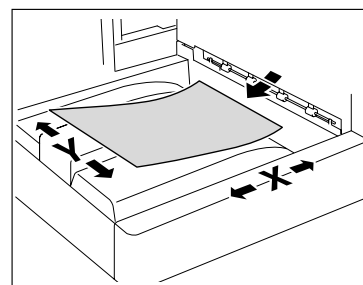
Bold text

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

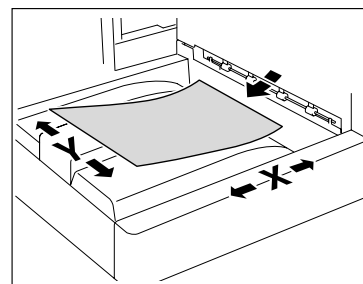
1.2.2 Original and paper indications**Paper size**

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

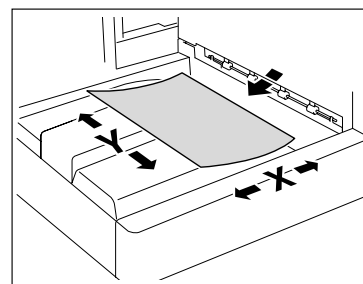
When indicating the original or paper size, the Y side represents the width and the X side the length.

**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).





Overview

2 Overview

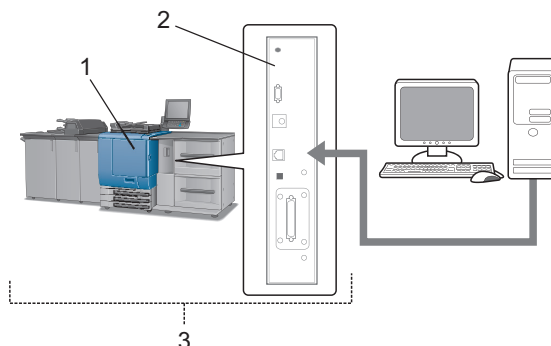
This chapter describes the overview and connection environment of the image controller that provides the printer function.

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 the printing system. When using this machine as a network printer, you can print using applications on the computer.



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

The image controller provides the following functions.

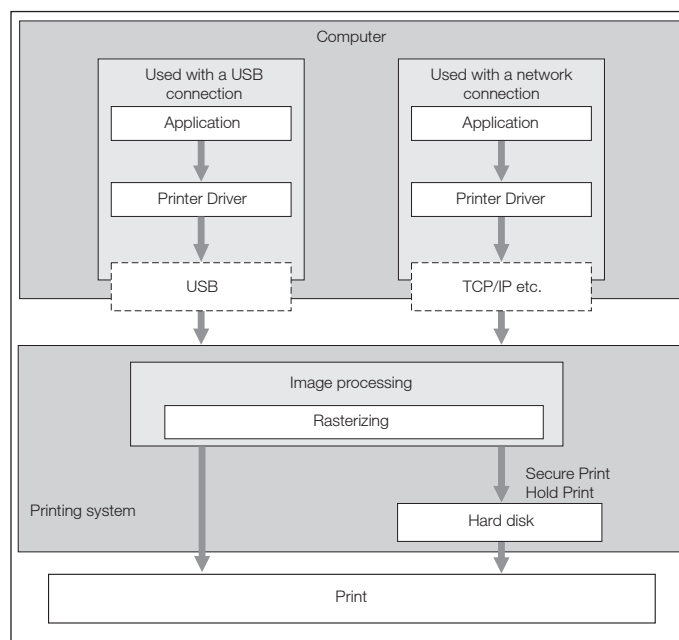
- Printing data sent from a printer driver on a computer
- Support of network protocols including TCP/IP (IPv4/IPv6), IPX/SPX, and AppleTalk
- Printing via a network using Web service (Windows Vista/Server 2008/7), SMB (Windows), LPR or IPP printing
- Configuring settings for this machine and the image 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.

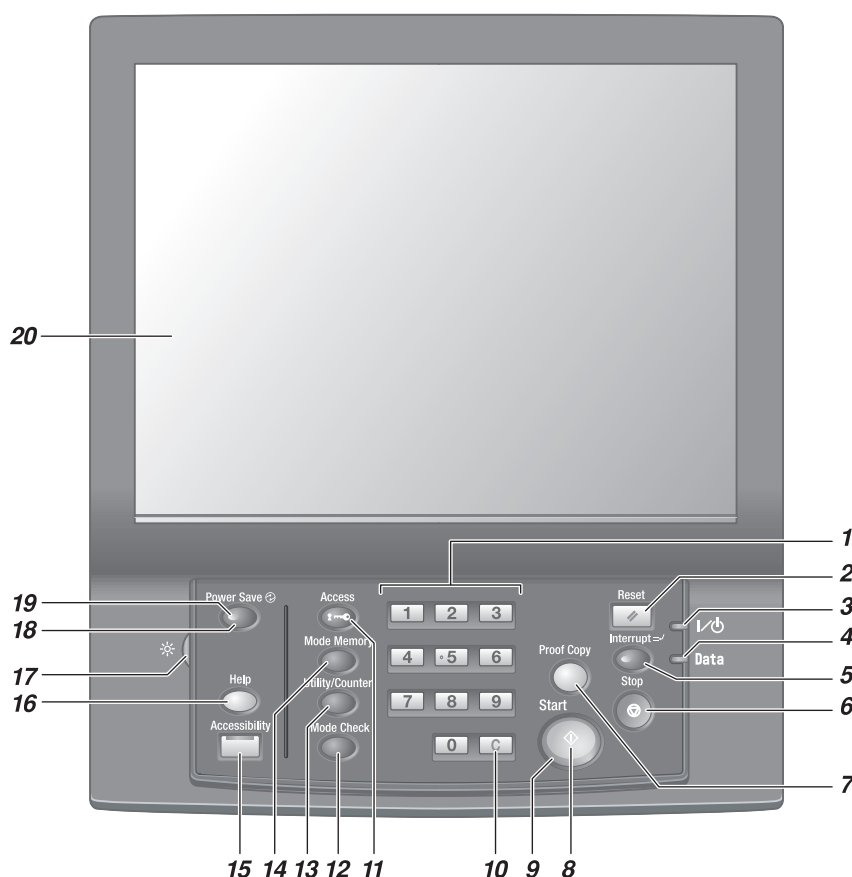
The data is sent to the image controller via the USB interface for USB connection or via Ethernet (TCP/IP, etc.) for network connection. Then the data is passed from the image controller to this machine. The image controller rasterizes images (expands output target characters and images to bitmap data).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

2.1.3 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**

For details on how to turn off power, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

2.2 Operating environment

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

2.2.1 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

2.2.2 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.

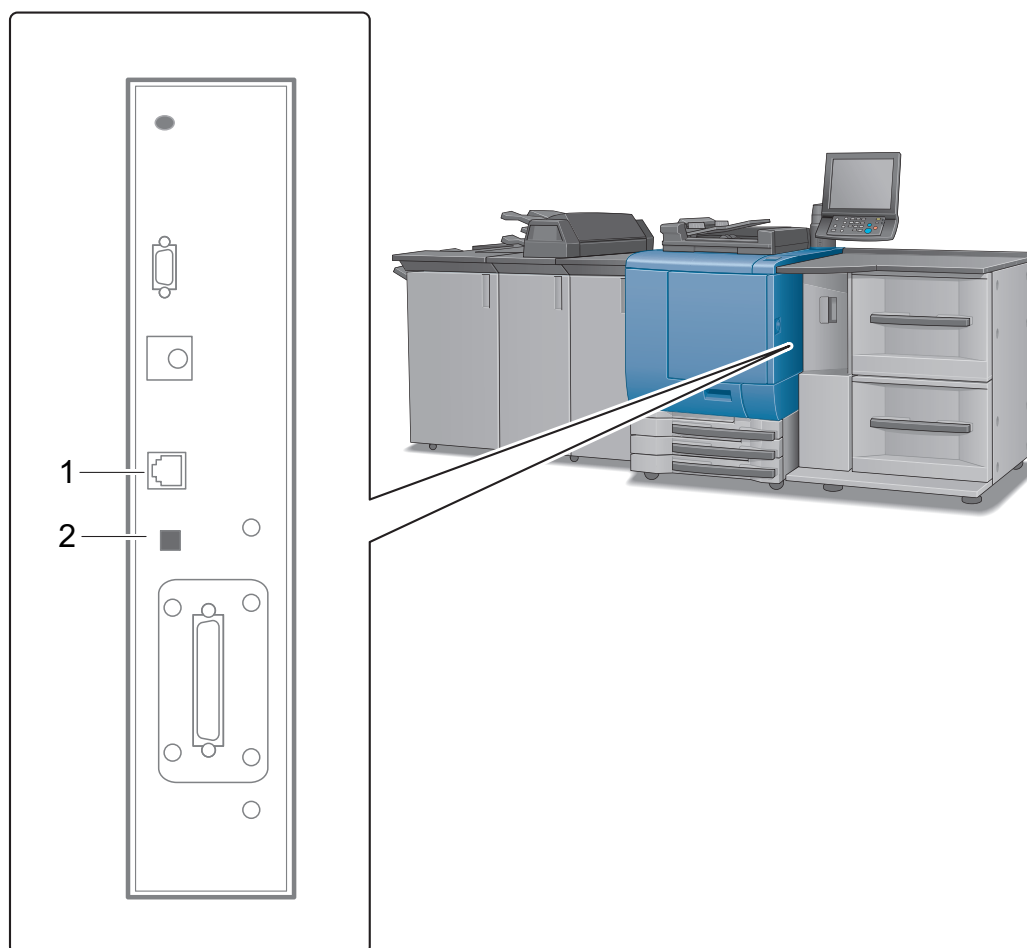
USB interface

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 of the image controller.

Back side of the machine



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

2.3 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 printing system to the computer and installing the printer driver to the computer.

Perform the setup using the following procedures.

2.3.1 For network connection

- 1 Connect the printing system 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 the printing system 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 "Screen Font" or "Screen Fonts" folder in the Driver 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 2-7.

For details on the network settings, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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.

2.3.2 For local connection

- 1 Connect the printing system 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 3 or later) Windows XP Professional (Service Pack 3 or later) Windows Server 2003, Standard Edition (Service Pack 2 or later) Windows Server 2003, Enterprise Edition (Service Pack 2 or later) Windows XP Professional x64 Edition (Service Pack 2 or later) Windows Server 2003, Standard x64 Edition (Service Pack 2 or later) Windows Server 2003, Enterprise x64 Edition (Service Pack 2 or later) Windows Vista Business (Service Pack 2 or later)* Windows Vista Enterprise (Service Pack 2 or later)* Windows Vista Home Basic (Service Pack 2 or later)* Windows Vista Home Premium (Service Pack 2 or later)* Windows Vista Ultimate (Service Pack 2 or later)* Windows Server 2008 Standard (Service Pack 2 or lower)* Windows Server 2008 Enterprise (Service Pack 2 or lower)* Windows 7 Home Basic (Service Pack 1 or lower) Windows 7 Home Premium (Service Pack 1 or lower)* Windows 7 Professional (Service Pack 1 or lower)* Windows 7 Enterprise (Service Pack 1 or lower)* Windows 7 Ultimate (Service Pack 1 or lower)* * 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 3 or later) Windows XP Professional (Service Pack 3 or later) Windows Server 2003, Standard Edition (Service Pack 2 or later) Windows Server 2003, Enterprise Edition (Service Pack 2 or later) Windows XP Professional x64 Edition (Service Pack 2 or later) Windows Server 2003, Standard x64 Edition (Service Pack 2 or later) Windows Server 2003, Enterprise x64 Edition (Service Pack 2 or later) Windows Vista Business (Service Pack 2 or later)* Windows Vista Enterprise (Service Pack 2 or later)* Windows Vista Home Basic (Service Pack 2 or later)* Windows Vista Home Premium (Service Pack 2 or later)* Windows Vista Ultimate (Service Pack 2 or later)* Windows Server 2008 Standard (Service Pack 2 or lower)* Windows Server 2008 Enterprise (Service Pack 2 or lower)* Windows 7 Home Basic (Service Pack 1 or lower) Windows 7 Home Premium (Service Pack 1 or lower)* Windows 7 Professional (Service Pack 1 or lower)* Windows 7 Enterprise (Service Pack 1 or lower)* Windows 7 Ultimate (Service Pack 1 or lower)* * Supports 32-bit (x86)/64-bit (x64) environment.

Printer driver	Page de- scription lan- guage	Supported Operating Systems
XPS driver	XPS	Windows Vista Business (Service Pack 2 or later)* Windows Vista Enterprise (Service Pack 2 or later)* Windows Vista Home Basic (Service Pack 2 or later)* Windows Vista Home Premium (Service Pack 2 or later)* Windows Vista Ultimate (Service Pack 2 or later)* Windows Server 2008 Standard (Service Pack 2 or lower)* Windows Server 2008 Enterprise (Service Pack 2 or lower)* Windows Server 2008 R2, Standard Edition (Service Pack 2 or lower) Windows Server 2008 R2, Enterprise Edition (Service Pack 2 or lower) Windows 7 Home Basic (Service Pack 1 or lower) Windows 7 Home Premium (Service Pack 1 or lower)* Windows 7 Professional (Service Pack 1 or lower)* Windows 7 Enterprise (Service Pack 1 or lower)* Windows 7 Ultimate (Service Pack 1 or lower)* * 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 and XPS 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 <ul style="list-style-type: none">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. 5-13

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" or "User's Guide Main Body".

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 5-8.

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. 5-16 Windows 2000:p. 5-24
	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. 5-23 Windows 2000:p. 5-29

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" or "User's Guide Main Body".

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" or "User's Guide Main Body".

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" or "User's Guide Main Body".



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 this machine 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 driver and XPS driver.

Note

- The screens for bizhub PRESS C7000/C7000P/C6000 and C70hc are used here for explanations.

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 3 or later) ^{*1} Windows XP Professional (Service Pack 3 or later) ^{*1} Windows Server 2003, Standard Edition (Service Pack 2 or later) Windows Server 2003, Enterprise Edition (Service Pack 2 or later) Windows XP Professional x64 Edition (Service Pack 2 or later) Windows Server 2003, Standard x64 Edition (Service Pack 2 or later) Windows Server 2003, Enterprise x64 Edition (Service Pack 2 or later) Windows Vista Business (Service Pack 2 or later) ^{*2} Windows Vista Enterprise (Service Pack 2 or later) ^{*2} Windows Vista Home Basic (Service Pack 2 or later) ^{*2} Windows Vista Home Premium (Service Pack 2 or later) ^{*2} Windows Vista Ultimate (Service Pack 2 or later) ^{*2} Windows Server 2008 Standard (Service Pack 2 or lower) ^{*2} Windows Server 2008 Enterprise (Service Pack 2 or lower) ^{*2} Windows Server 2008 R2, Standard Edition (Service Pack 2 or lower) Windows Server 2008 R2, Enterprise Edition (Service Pack 2 or lower) Windows 7 Home Basic (Service Pack 1 or lower) Windows 7 Home Premium (Service Pack 1 or lower) ^{*2} Windows 7 Professional (Service Pack 1 or lower) ^{*2} Windows 7 Enterprise (Service Pack 1 or lower) ^{*2} Windows 7 Ultimate (Service Pack 1 or lower) ^{*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

- XPS driver supports Windows Vista/Server 2008/7.
- 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 of this 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" or "User's Guide Main Body".



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] or "User's Guide Main Body".

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.



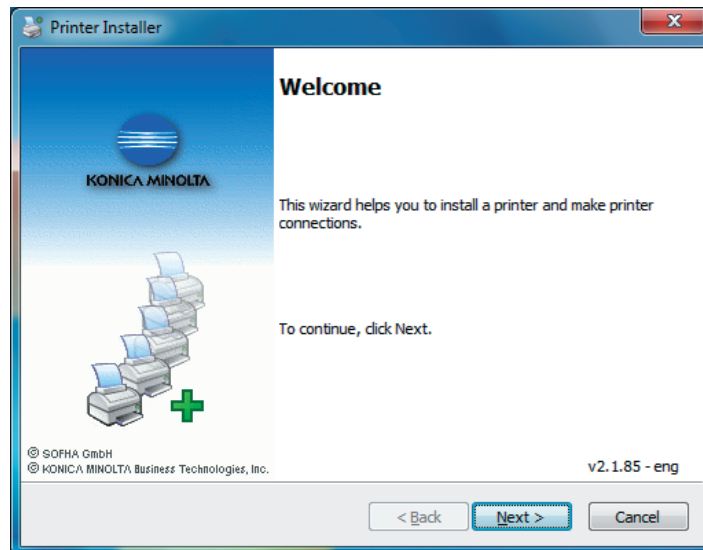
Reference

For details on the TCP/IP Settings and IPP Settings of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

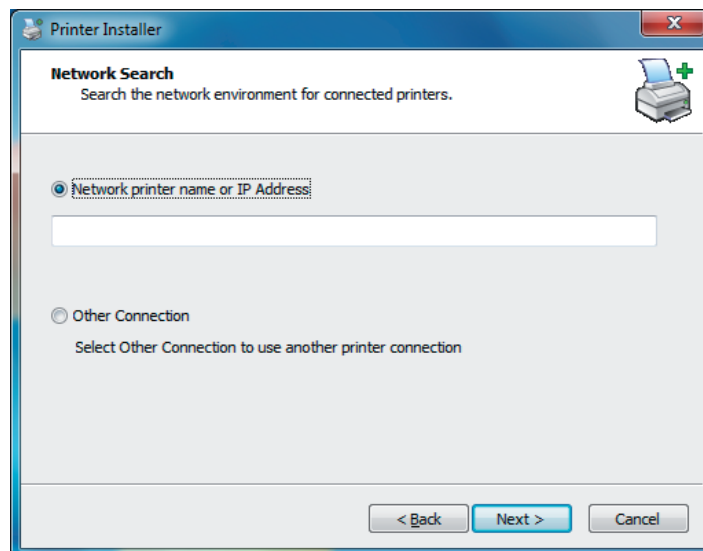
Before you can use IPPS printing, you must register a certificate with this machine. You can use the self-signed certificate that is preinstalled in this machine. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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

- 1 Insert the Driver CD-ROM for PS Plug-in Driver into the CD-ROM drive.
 - When installing the driver on a Windows Vista/Server 2008/7-based computer, click [Allow] or [Continue] if the [User Account Control] window appears.
 - Make sure that the CD menu is displayed, and then go to Step 2.
 - If CD menu is not displayed, double-click [Autorun.exe] in the CD-ROM, and then go to Step 2.
- 2 Follow the instruction on the screen to select the printer driver you need.
The printer driver installer starts.
- 3 Click [Next].

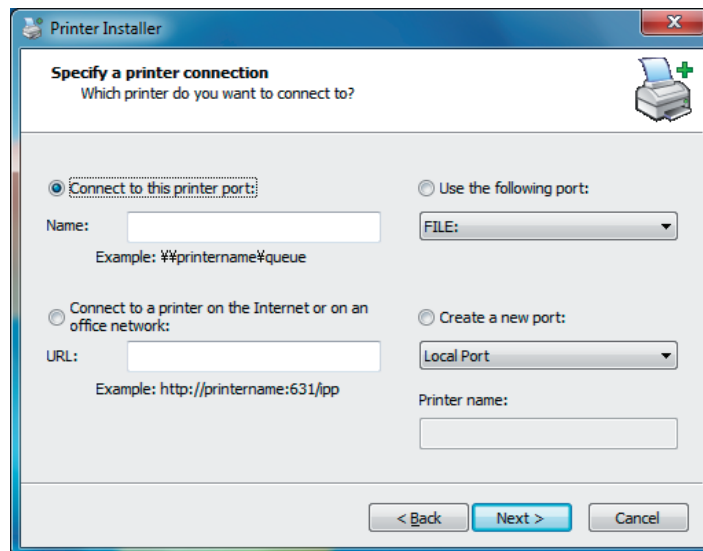


- 4 Input the printer name or IP address and press [Next].
 - If you want to connect to the other printer, select [Other Connection] and click [Next].



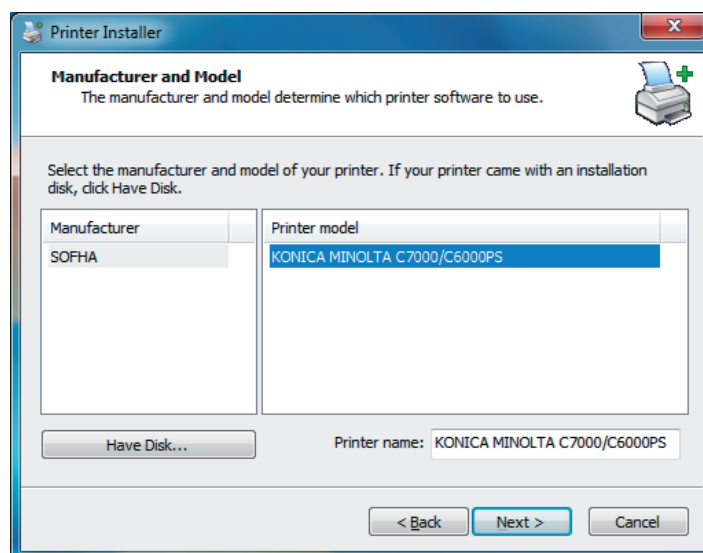
- [Network printer name or IP address]:
The copier is set as a Windows printer.
The printer is created with the lpr port used. (E.g.: myprinter:print.)
- [Other Connection]:
You can specify the other printer connection (NetBIOS or port9100).

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

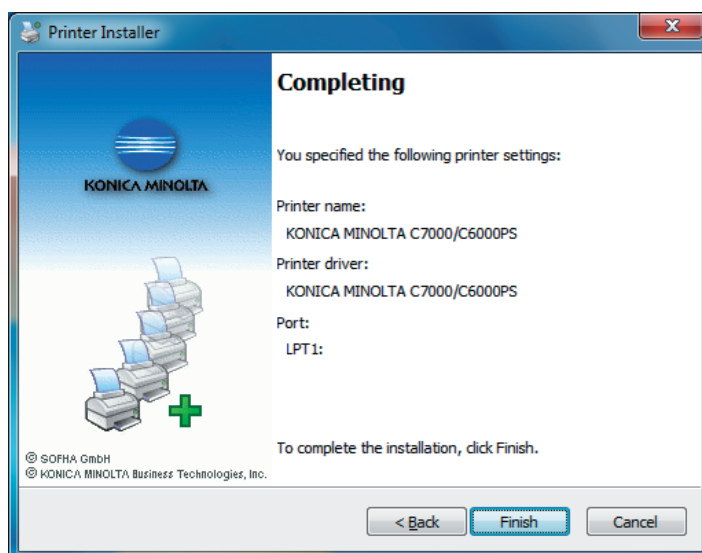


- If you use DNS in the network, the administrator has to check whether the network name specified to this machine is matched with the network name stored in the DNS.

- 6 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.

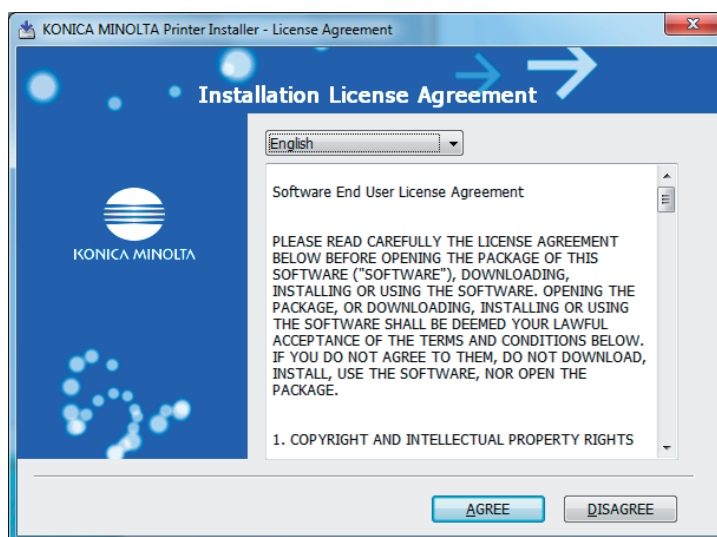
7 Click [Finish].

The installation is complete.

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

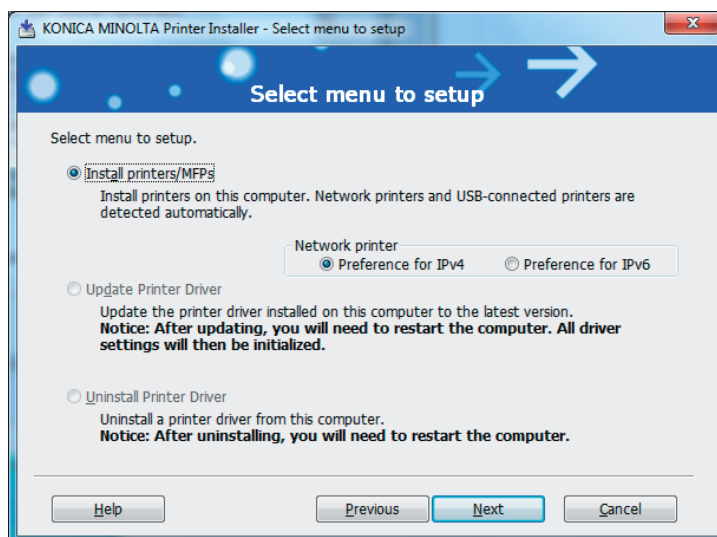
4.2.3 Installing the printer driver (XPS driver)

- 1 Insert the Driver CD-ROM for XPS Driver into the CD-ROM drive.
 - If the [User Account Control] window appears, click [Allow] or [Continue].
 - Make sure that the CD menu is displayed, and then go to Step 2.
 - If CD menu is not displayed, double-click [Autorun.exe] in the CD-ROM, and then go to Step 2.
- 2 Follow the instruction on the screen to select the printer driver you need.
The printer driver installer starts.
- 3 Click [AGREE].



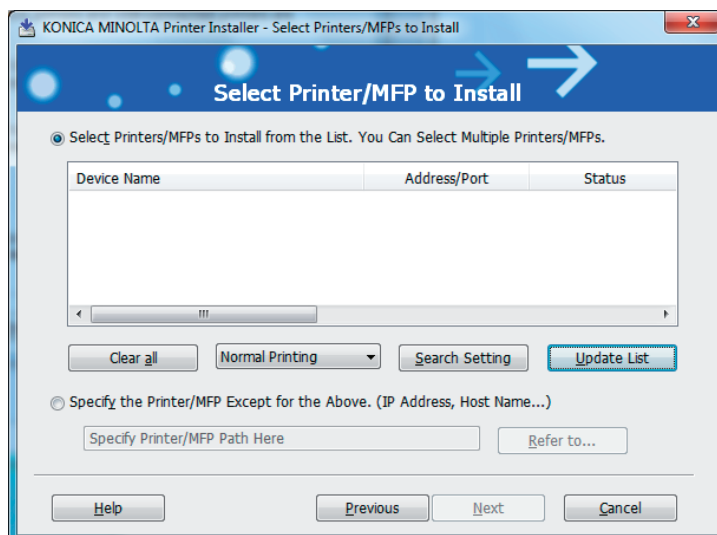
- If you disagree, you will not be able to install the driver.
- In the language display box, you can change the language used with the installer as required.

- 4 Select [Install printers/MFPs] and click [Next].



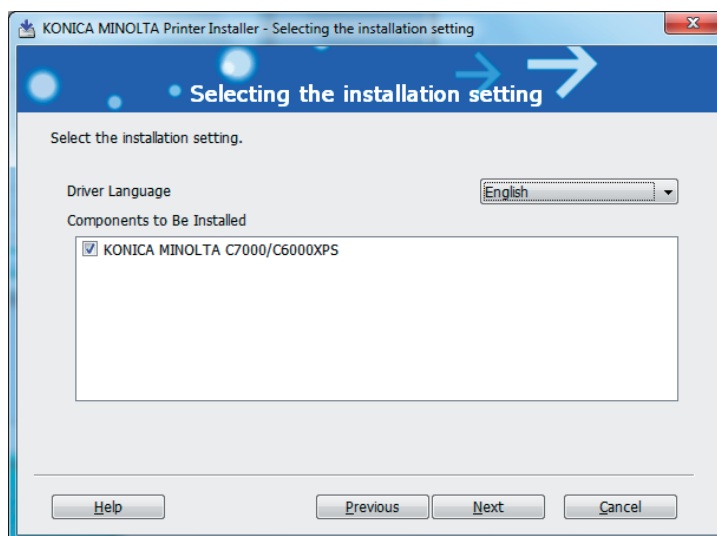
- When printers or MFPs are detected both in IPv4 and IPv6, either [Preference for IPv4] or [Preference for IPv6] can be specified for the address which takes precedence.

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

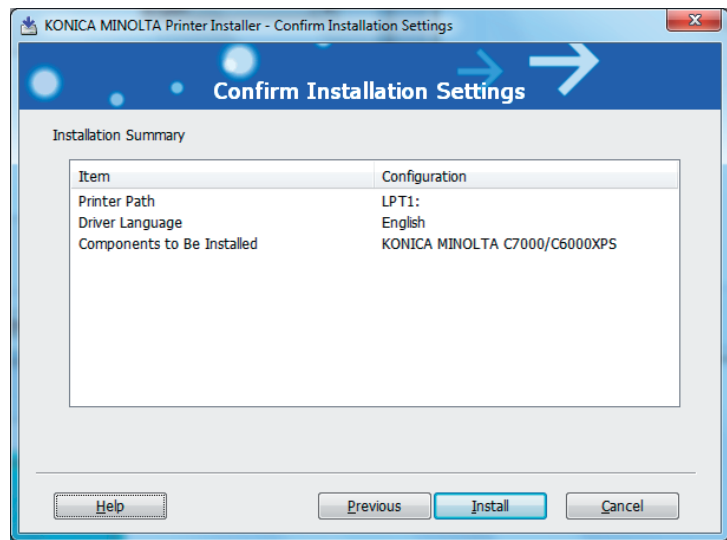


- Of the connected printers or MFPs, only the models that support the printer driver are displayed in the list. If multiple target models are displayed, check the IP addresses.
- If the connection to this machine cannot be recognized, it is not displayed in the list. If this is the case, select [Specify the Printer/MFP Except for the Above. (IP Address, Host Name...)] on the lower part of the page, and then specify your printer manually.

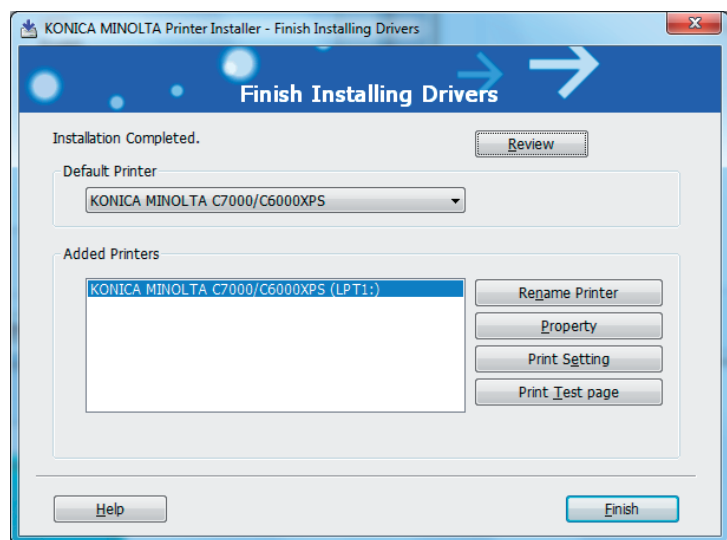
- 6 Select the components to be installed, and then click [Next].



- 7 Confirm the installation settings, and then click [Install].



- 8 Click [Finish].



The installation is complete.

→ In the [Finish Installing Drivers] screen, you can confirm the installed items or change settings.

[Review]	Check the installation contents.
[Rename Printer]	Change the printer name.
[Property]	Set Property Setting for the printer. For details, refer to page 12-2.
[Print Setting]	Display the [Print Setting] screen of the printer driver and configure various function settings. For details, refer to page 12-5.
[Print Test page]	Perform a test printing.



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 of this machine

Before using Port9100, 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 Port9100 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

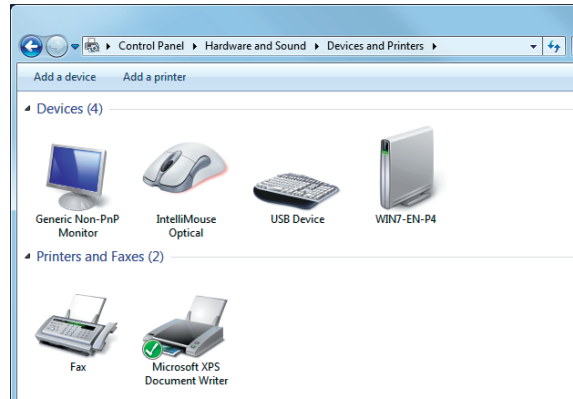
For details on the network settings of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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" or "User's Guide Main Body".

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

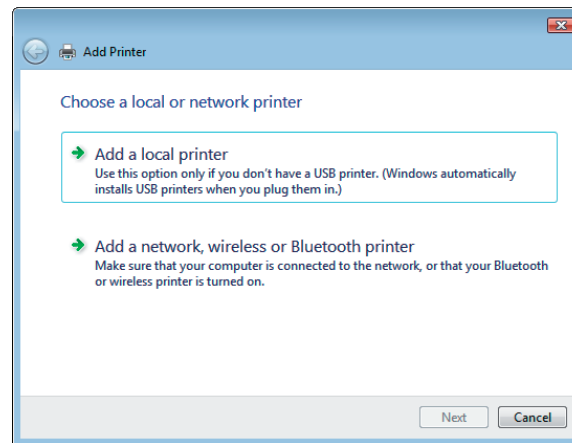
- ✓ Installing the driver to Windows Vista/Server 2008/7-based computers requires the administrator authority.
 - ✓ Since the printer is searched for during the installation, be sure to connect this machine to the network before turning it on.
- 1 Insert the Driver CD-ROM into the CD-ROM drive.
 - 2 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.

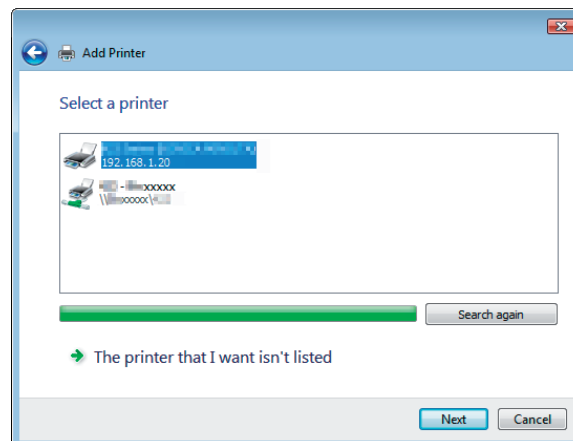
- 4 Click [Add a network, wireless or Bluetooth printer].



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 your machine from the list, and then click [Next].

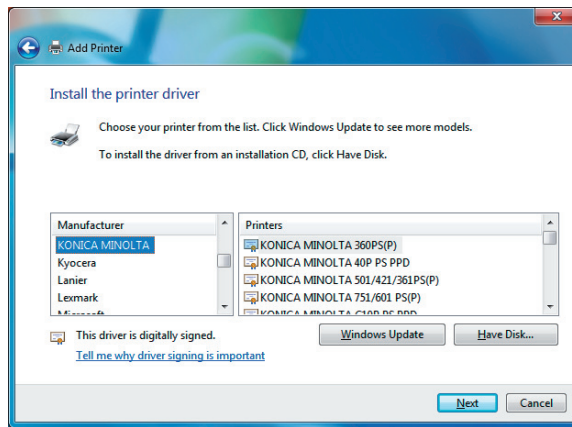


→ To use the LPR/Port9100 protocol, select the printer with its IP address.
 → To use the SMB connection, select the printer with its "\\NetBIOS name\print service name". You can check the NetBIOS name and print service name by selecting [Administrator Setting] - [Controller] - [Controller NIC Setting 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 14-4.

- 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...].

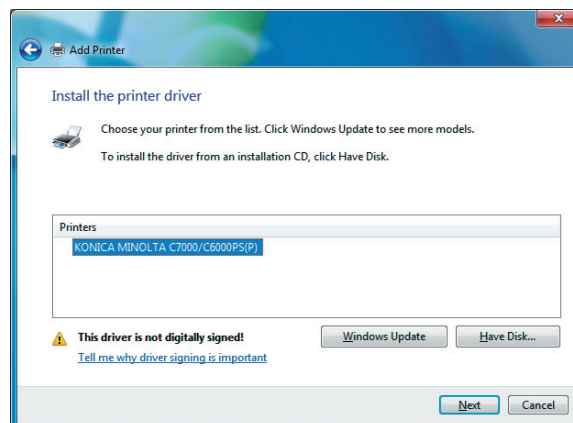
8 Select a desired printer driver folder in the CD-ROM, and then click [Open].

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

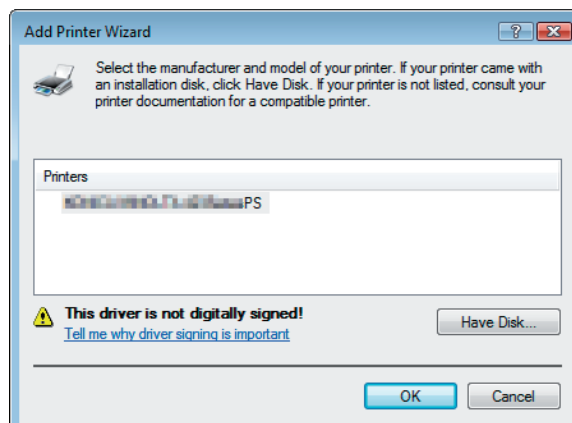
9 Click [OK].

The [Printers] list appears.

10 Click [Next].



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

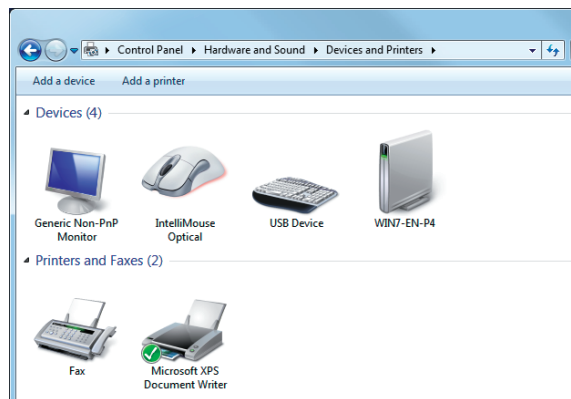


- 11 Follow the instructions on the pages that follow.
 - If the [User Account Control] window appears, click [Continue] or [Yes].
 - If the [Windows Security] window for verifying the publisher appears, click [Install this driver software anyway].
- 12 Click [Finish].
- 13 After finishing the installation, 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.

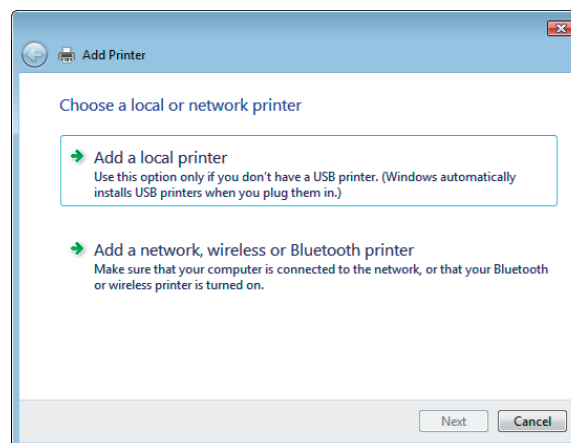
Installing the printer driver by creating a printer port

- ✓ 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...].

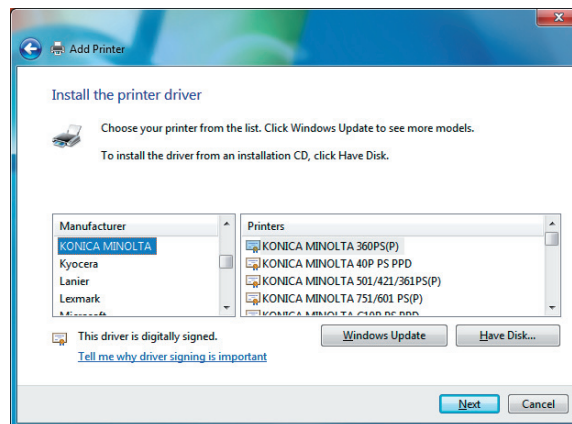
10 Change the settings according to the port, and then click [OK].

- 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 Port9100 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...].

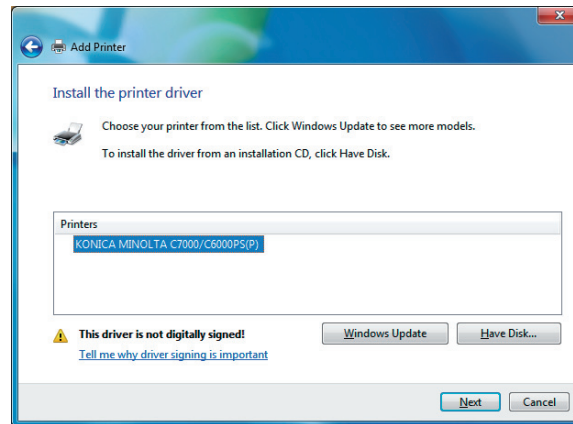


13 Click [Browse...].

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, XPS 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 of this 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.



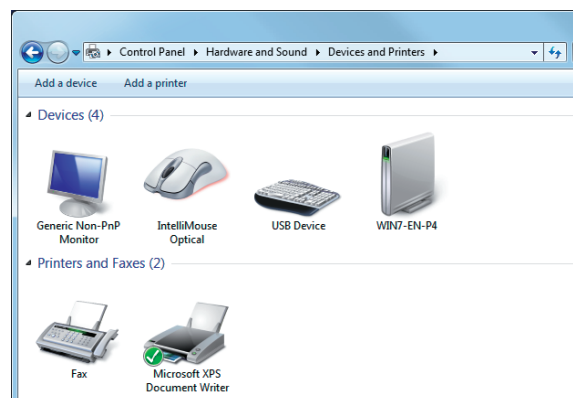
Reference

For details on the network settings of this machine, refer to [User's Guide POD Administrator's Reference] or "User's Guide Main Body".

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" or "User's Guide Main Body".

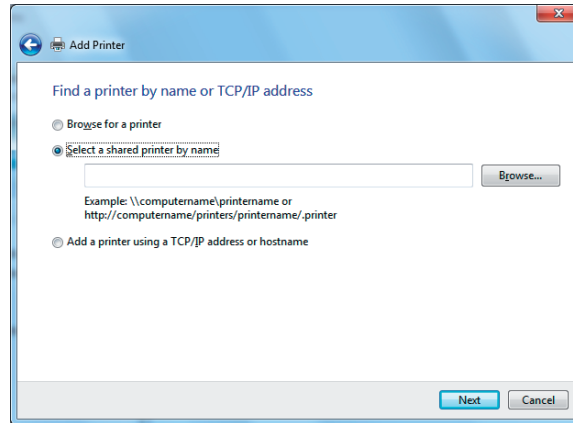
Installing the printer driver using the Add Printer Wizard

- ✓ 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". For <Host name>. <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 , XPS 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 8-3.

Settings of this 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 of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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 for this machine.
 - 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 4-4 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 14-4.

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 5-15.

- 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/Server 2008 R2, you cannot specify the installation disk after the machine is connected to the computer. Install the printer driver in advance (Step 1).

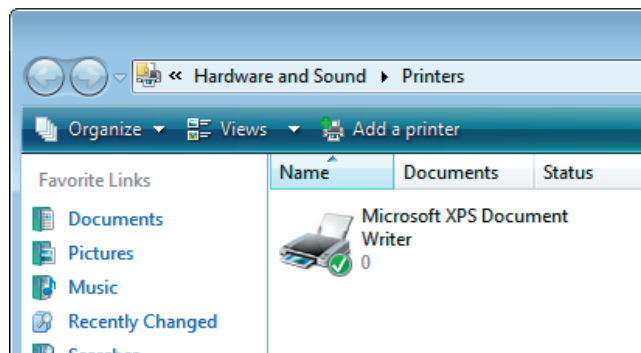
Installing the printer driver by specifying the IP address using the Add Printer Wizard

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

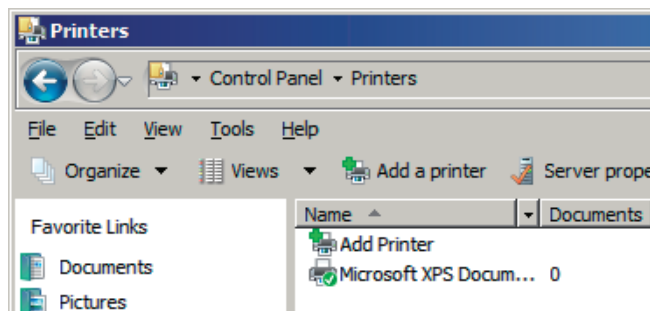
Reference

- 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:

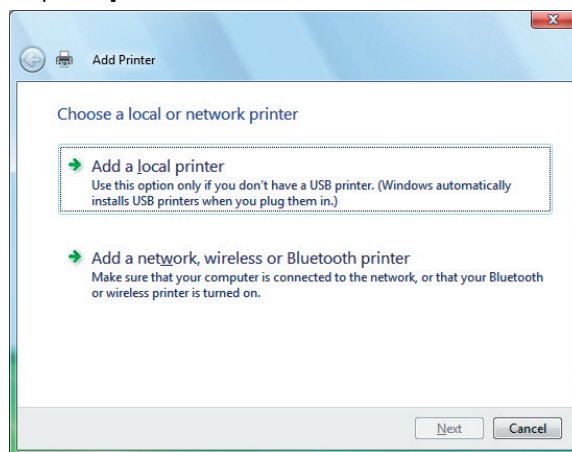


- In Windows Server 2008:

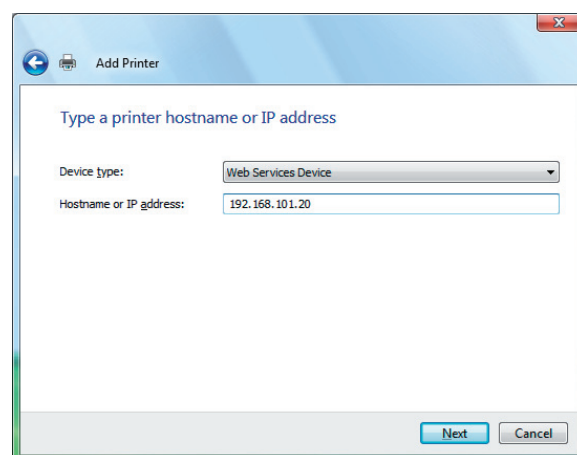


[Add Printer Wizard] appears.

- 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 , XPS 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 for this machine.
 - 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 4-4 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 5-15.

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 , XPS 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 5-10 or page 5-13.
- 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 , XPS 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 of this machine

To use Port9100 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 Port9100 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 of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

Installing the printer driver using the Add Printer Wizard

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

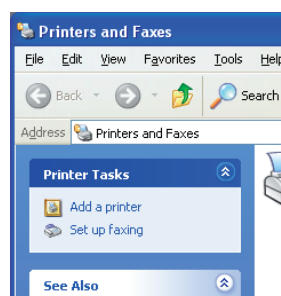
1 Insert the Driver CD-ROM into the CD-ROM drive.

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

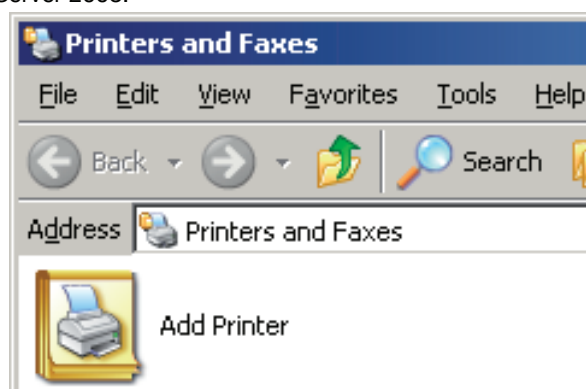
→ If [Printers and Faxes] is not displayed in the [Start] menu, open [Control Panel] from the [Start] menu, click [Printers and Other Hardware], then click [Printers and Faxes].

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

In Windows XP:

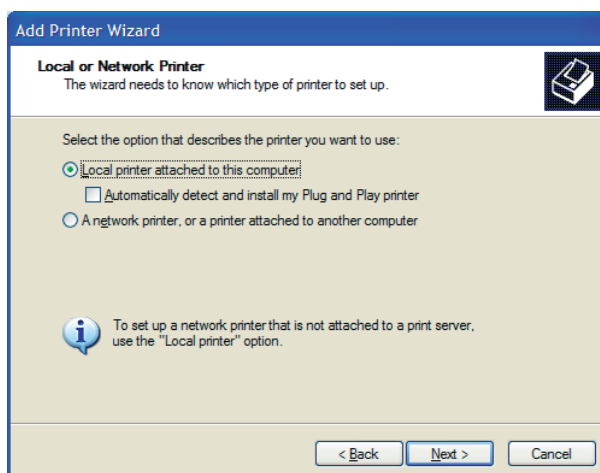


In Windows Server 2003:



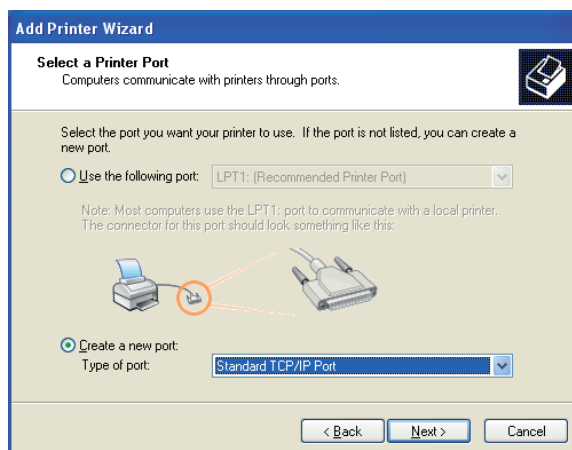
[Add Printer Wizard] appears.

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

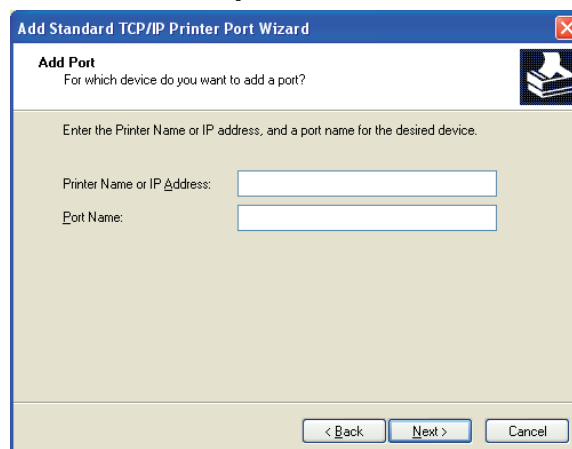


→ Clear the [Automatically detect and install my Plug and Play printer] check box.

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



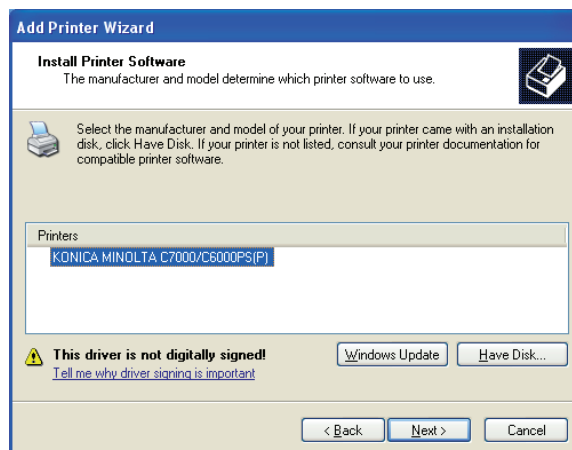
- 7 Click [Next >].
- 8 Click [Next >].
- 9 In the [Printer Name or IP Address:] box, enter the IP address for the machine, and then click [Next >].



- 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 of this 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 of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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" or "User's Guide Main Body".

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.

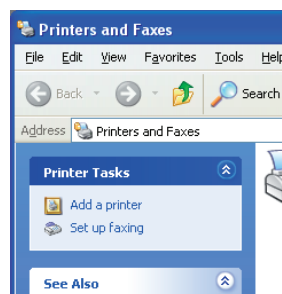
1 Insert the Driver CD-ROM into the CD-ROM drive.

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

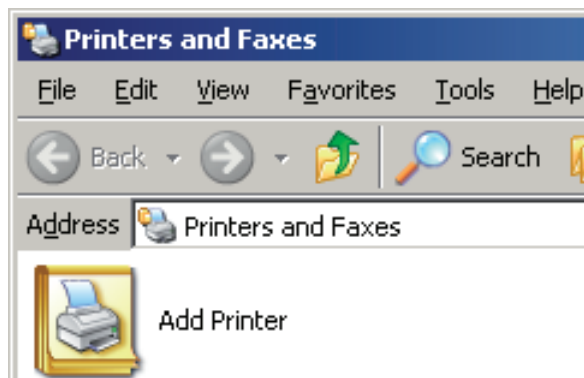
→ If [Printers and Faxes] is not displayed in the [Start] menu, open [Control Panel] from the [Start] menu, click [Printers and Other Hardware], then click [Printers and Faxes].

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

In Windows XP:

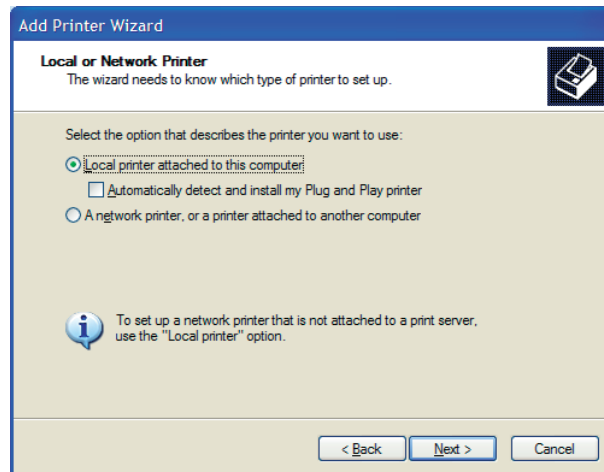


In Windows Server 2003:



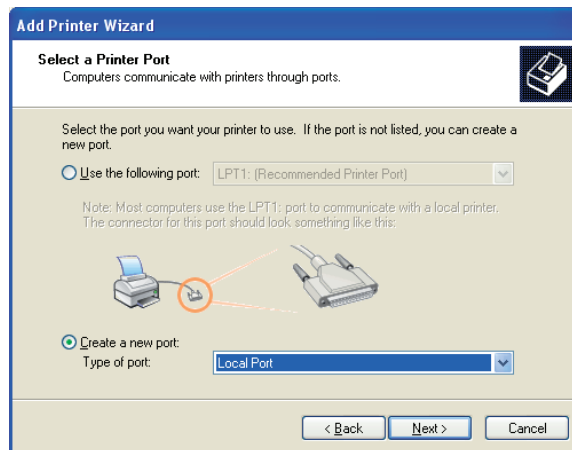
[Add Printer Wizard] appears.

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

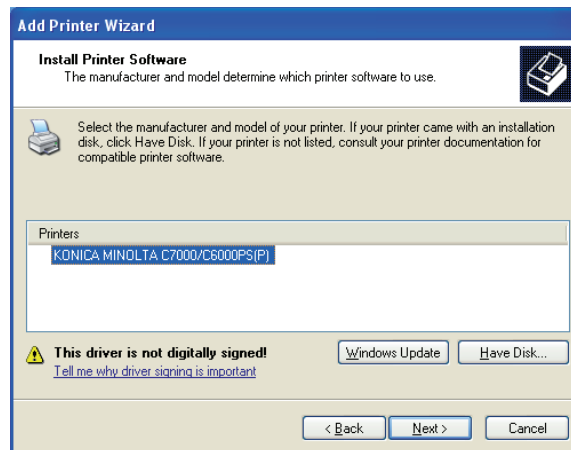


→ Clear the [Automatically detect and install my Plug and Play printer] check box.

- 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 of this 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 of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

Before you can use IPSPS 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" or "User's Guide Main Body".

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 the 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 of this machine

To use Port9100 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 Port9100 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.

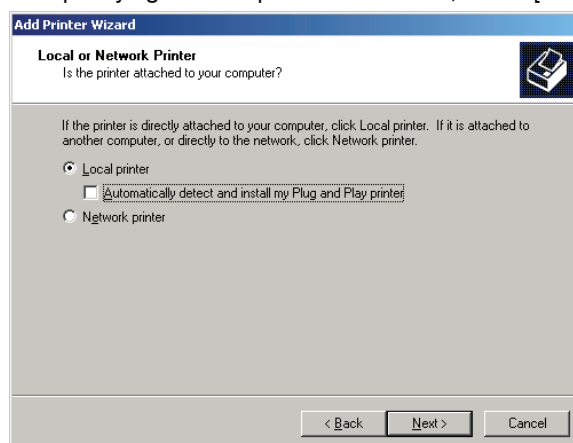


Reference

For details on the network settings of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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 >].



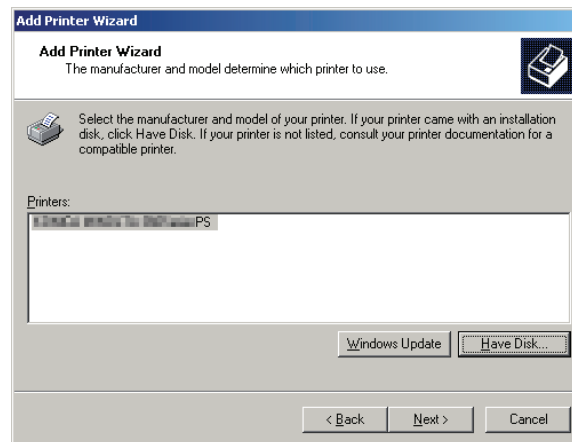
→ Clear the [Automatically detect and install my Plug and Play printer] check box.

- 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 of this 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 of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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 of this 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 of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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" or "User's Guide Main Body".

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 the 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.

Note

- The screens for bizhub PRESS C7000/C7000P/C6000 and C70hc are used here for explanations.

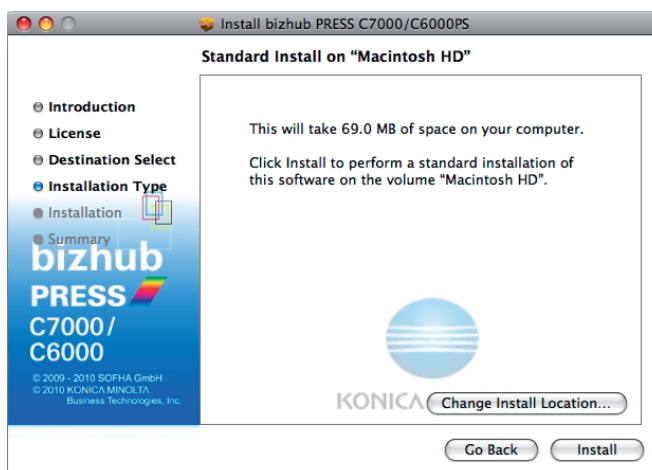
6.1 Mac OS X 10.4/10.5/10.6

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 the [Bonjour Setting] of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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.

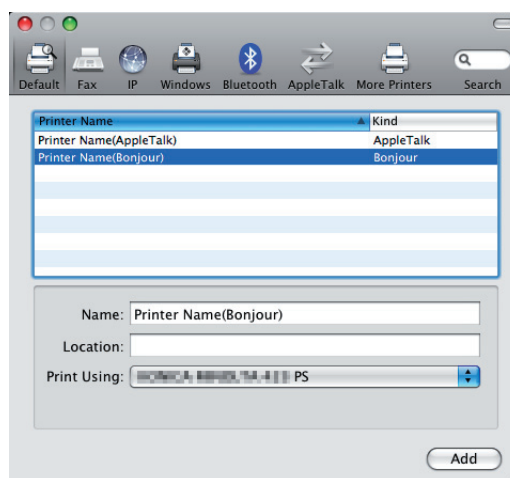
5 From the [Printer Name] list, select the desired Bonjour-connected model name.

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.

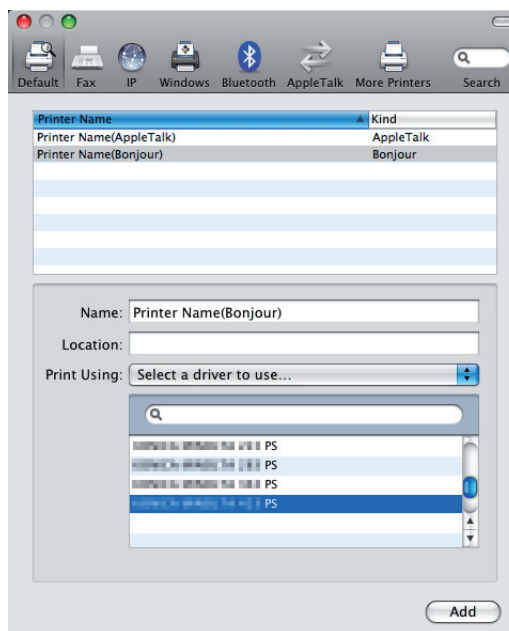
→ If an incorrect printer driver is selected, go to Step 6.



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 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.



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 the [AppleTalk Settings] of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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.

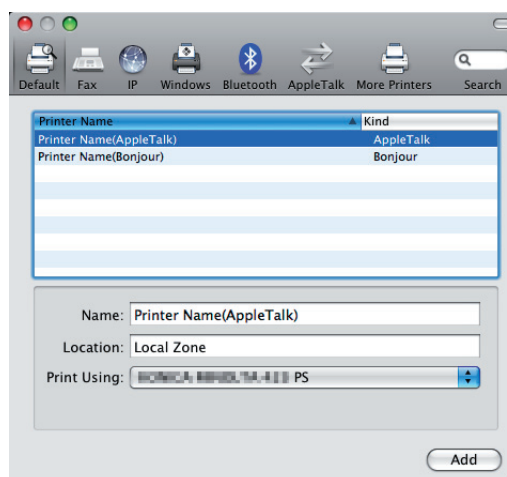
5 From the [Printer Name] list, select the desired AppleTalk-connected model name.

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.

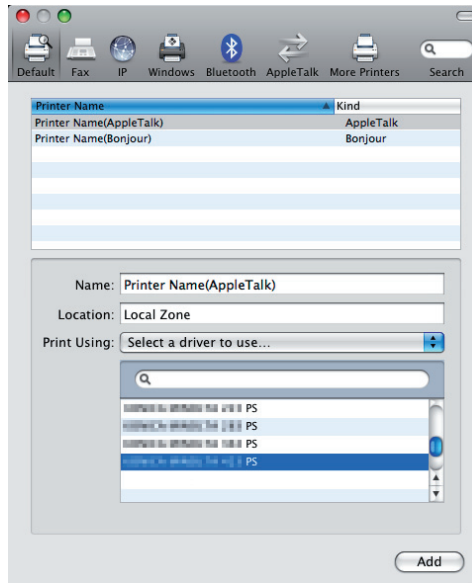
→ If an incorrect printer driver is selected, go to Step 6.



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 the IP address settings of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

For details on the [LPD Settings] of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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].

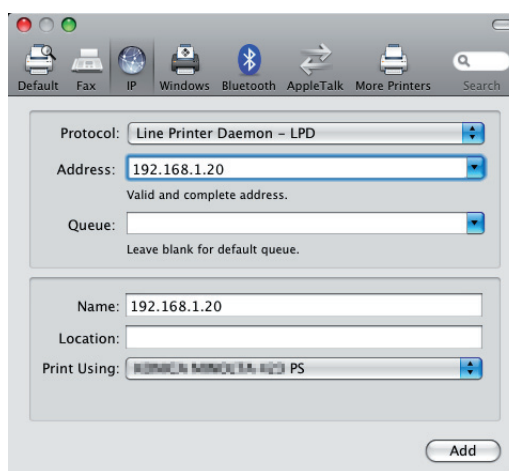
Adding a printer

- 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.

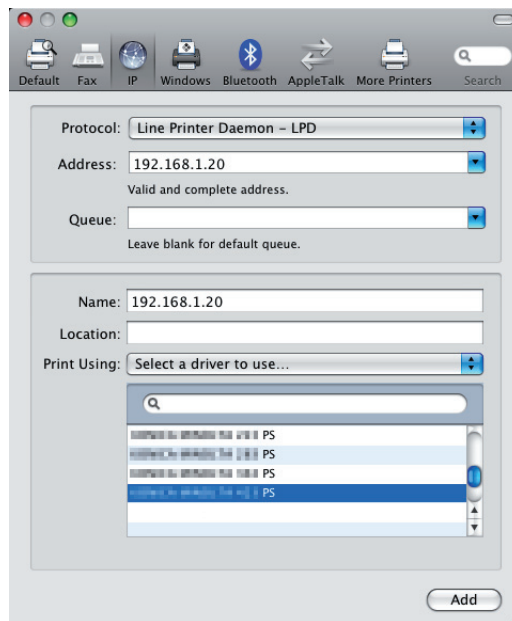
The printer driver corresponding to this machine being identified with its IP address is automatically selected.

→ 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 machine

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



Reference

For details on the IP address settings of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

For details on the [HTTP Server Setting] of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

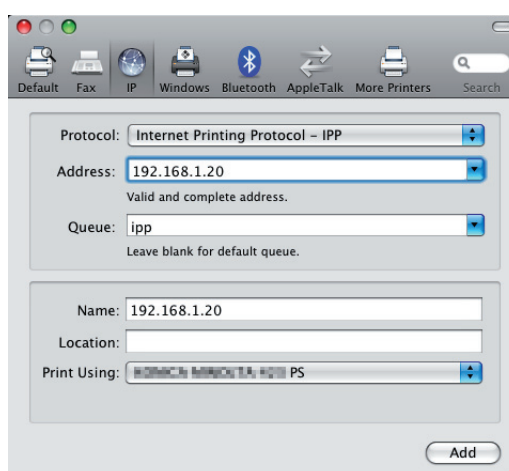
Configuring [TCP/IP Setting] for the computer

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

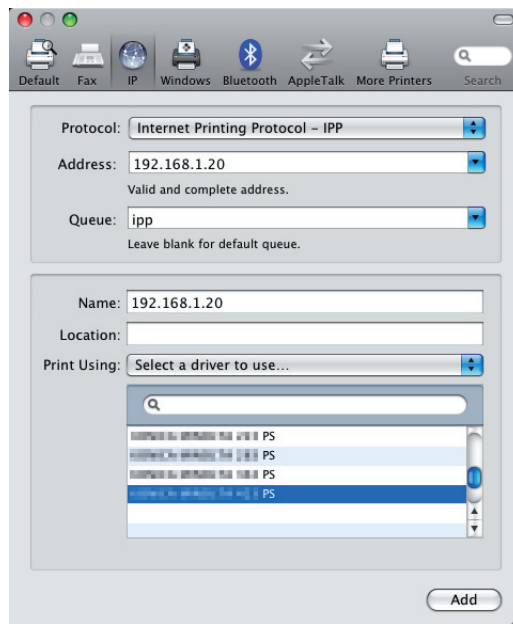
- 1 In the [Apple Menu], select [System Preferences...].
- 2 Click the [Network] icon.
- 3 The Ethernet setting window appears.
 - For OS X 10.5/10.6, select [Ethernet], and then click [Advanced...].
 - For OS X 10.4, select [Built-in Ethernet], and then click [Configure...].
- 4 Click the [TCP/IP] tab.
- 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 the NetWare Settings of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

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, XPS 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.

Note

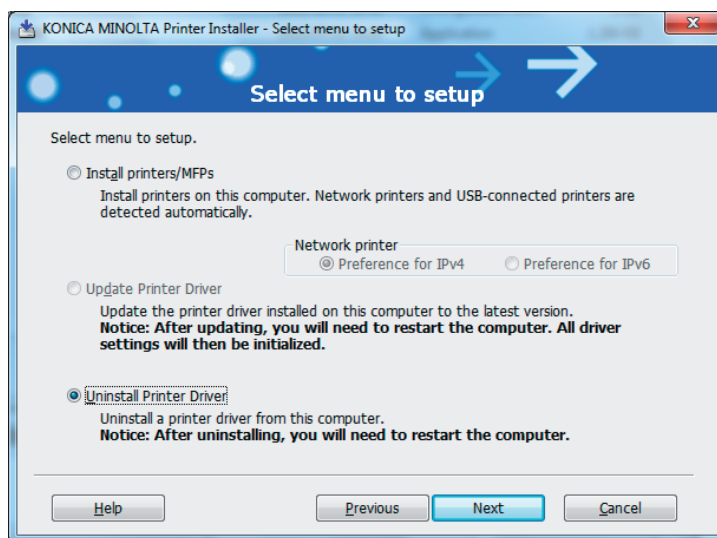
- The screens for bizhub PRESS C7000/C7000P/C6000 and C70hc are used here for explanations.

8.1.1 Uninstallation using the installer (XPS driver)

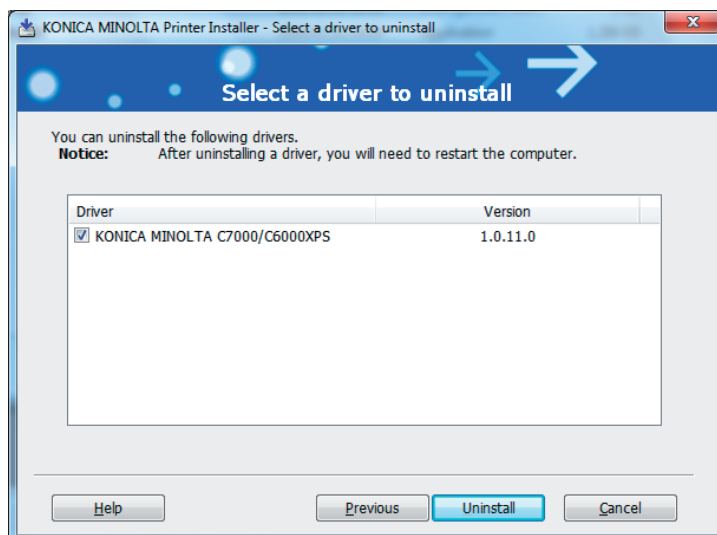
Printer driver can be uninstalled using the installer.

- 1 Insert the printer driver CD-ROM for Windows into the CD-ROM drive of the computer.
 - 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 [Set-up.exe], and then go to Step 3.
- 2 Click [Printer Install].

The printer driver installer starts.
- 3 Click [AGREE].
- 4 When a page for selecting menu to setup appears, select [Uninstall Printer Driver], and then click [Next].



- 5 Select the components to be removed, and then click [Uninstall].



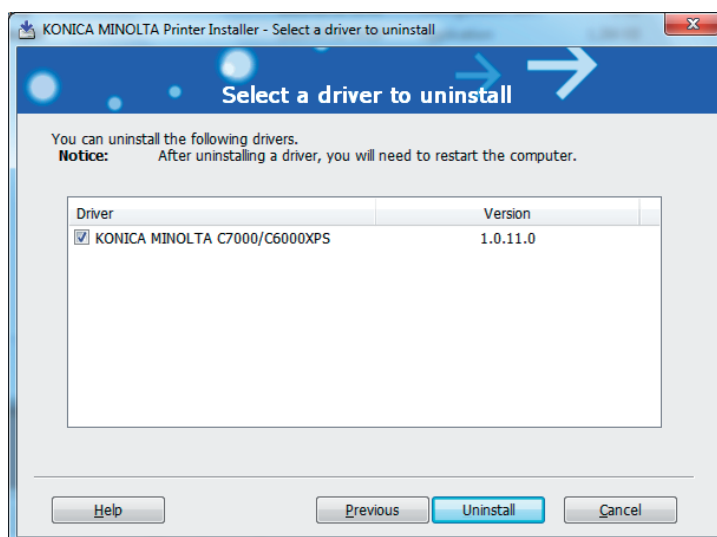
→ From then on, follow the instructions on the pages that follow.

- 6 If the dialog box prompting to restart the computer, click [OK].

8.1.2 Uninstallation using the uninstall program (XPS driver)

If you used the installer to install the printer driver, the printer driver uninstaller is installed.

- 1 Click [Start], and then select [All Programs] (or [Programs]) - [KONICA MINOLTA] - [bizhub PRESS C7000 C6000] - [Uninstall Printer Driver].
- 2 Select the components to be removed, and then click [Uninstall].



→ From then on, follow the instructions on the pages that follow.

- 3 If the dialog box prompting to restart the computer, click [OK].

8.1.3 Manual uninstallation (PS Plug-in Driver/PPD driver/XPS 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\drivers\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.

Note

- The screens for bizhub PRESS C7000/C7000P/C6000 and C70hc are used here for explanations.

8.2.1 For Mac OS X

- 1 Open the [Print & Fax] (or [Printer Setup Utility]) 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] 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]) 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 10.5/10.4 (Intel Processor)
 - bizhub PRESS 7000 Printer Driver x86 Preferences
 For 10.5/10.4 (Power PC)
 - 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.



Basic Printing Methods and Printer Functions

9 Basic Printing Methods and Printer Functions

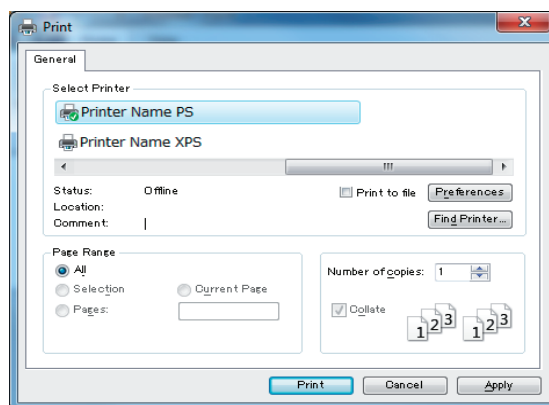
This chapter describes the basic printing methods from an application and the printer functions.

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 10-2, page 11-2 and page 12-2.
→ [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.

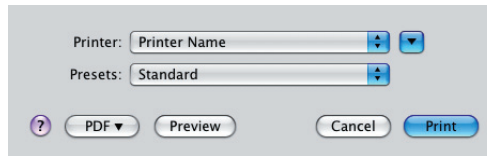
Reference

- You can check a job that was printed with this machine in the [Job List] screen in [Controller Machine Setting Menu]. For details, refer to page 14-14.

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:].

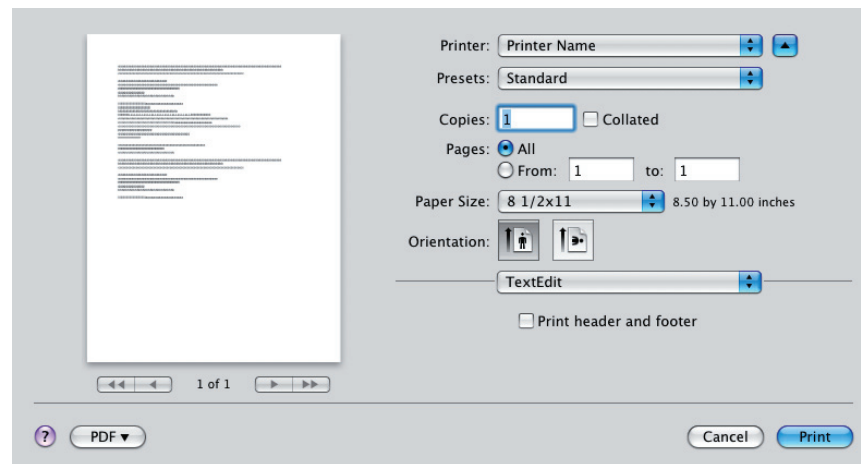
- If the target printer is not selected, select it.



- If the printer does not appear, select the printer from [Print & Fax] or [Printer Setup Utility]. 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.

Reference

- You can check a job that was printed with this machine in the [Job List] screen in [Controller Machine Setting Menu]. For details, refer to page 14-14.

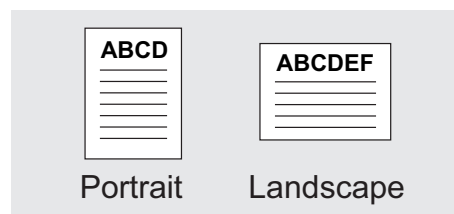
9.2 Printer Functions

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
	XPS driver	p. 12-10
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. 11-6
	XPS driver	p. 12-10
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
	XPS driver	p. 12-10
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. 11-6
	XPS driver	p. 12-10
Mac OS X	PS Plug-in Driver	p. 10-9

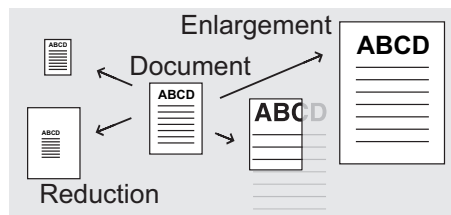
Setting the pre-punched paper

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
	XPS driver	p. 12-10
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.

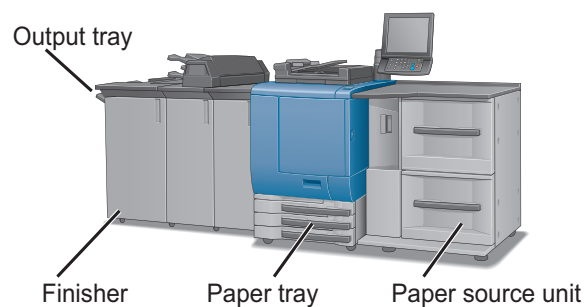


Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-6
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-10
Mac OS X	PS Plug-in Driver	p. 10-6

9.2.2 Setting a paper tray

Setting a paper source unit

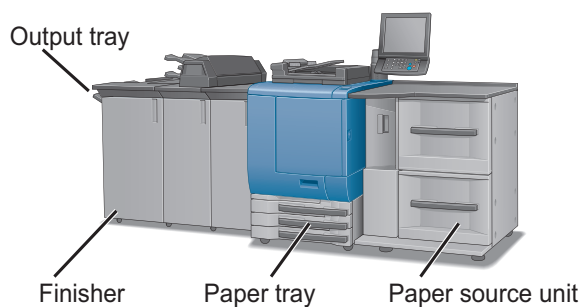
In this printing system, you can register an optional paper source unit (a large capacity tray) in a printer driver.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-24
	PostScript PPD driver	p. 11-3
	XPS driver	p. 12-3
Mac OS X	PS Plug-in Driver	p. 10-24

Setting a paper tray

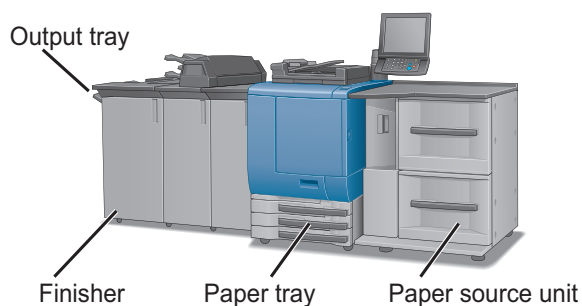
In this printing system, you can select a paper tray to use from a list.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-5
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-10
Mac OS X	PS Plug-in Driver	p. 10-5

Setting a paper output unit

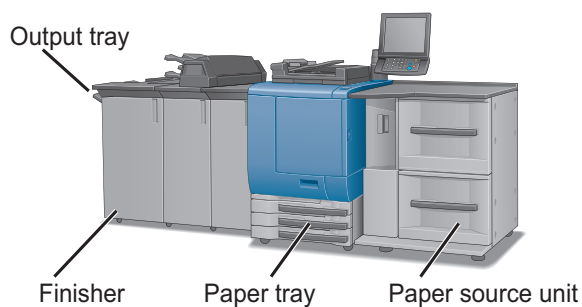
In this printing system, you can register an optional paper output unit in a printer driver.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-24
	PostScript PPD driver	p. 11-3
	XPS driver	p. 12-3
Mac OS X	PS Plug-in Driver	p. 10-24

Setting an output tray

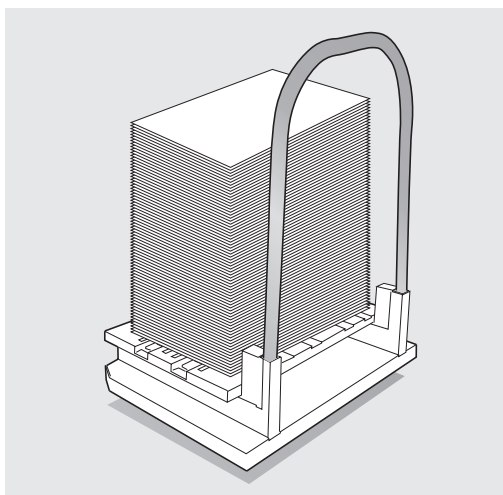
In this printing system, you can select an output tray to use from a list.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-15
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. 10-24
	PostScript PPD driver	p. 11-3
	XPS driver	p. 12-3
Mac OS X	PS Plug-in Driver	p. 10-24

9.2.3 Printing a number of sets of an original

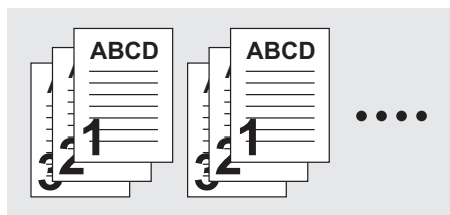
Setting a number of copies

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
	XPS driver	p. 12-10
Mac OS X	PS Plug-in Driver	p. 9-2

Printing an original by set (Sort)

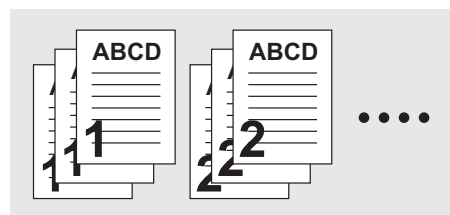
In this printing system, you can print a complete set of an original and repeat the printing of the set for a specified number of times if you want to print more than one set of the original.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 9-2
	XPS driver	p. 12-10
Mac OS X	PS Plug-in Driver	p. 10-7

Printing an original in a collating order

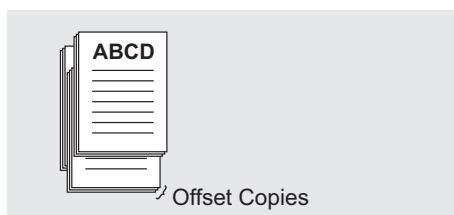
In this printing system, you can print a specified number of sets of an original page by page.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 9-2
	XPS driver	p. 12-10
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.

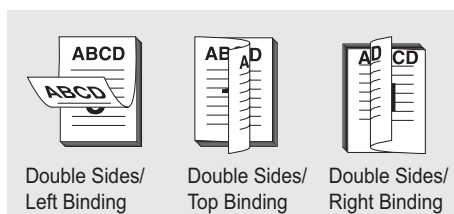


Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-10
Mac OS X	PS Plug-in Driver	p. 10-7

9.2.4 Printing more than one page

Setting a 2-sided printing

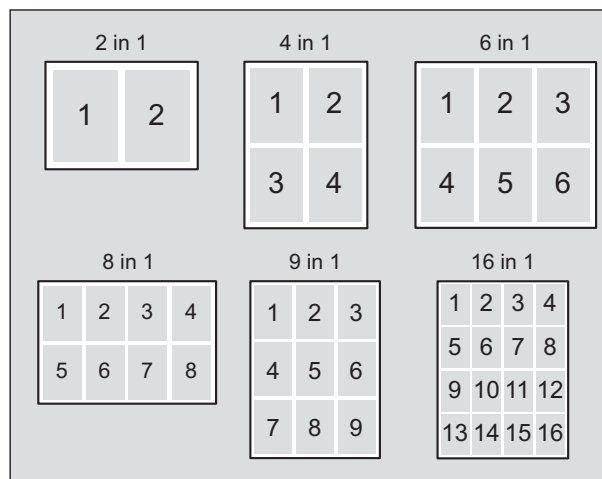
In this printing system, you can print a sequence of pages in both front and back sides of paper.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-6
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-13
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, 8, 9 or 16 pages in a sheet of paper.



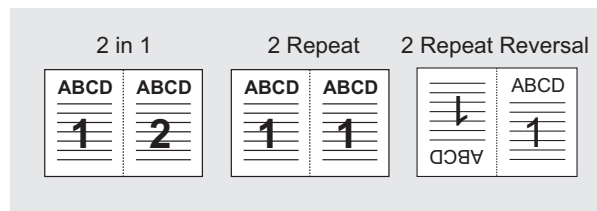
Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-6
	PostScript PPD driver	p. 11-5
	XPS driver	p. 12-13
Mac OS X	PS Plug-in Driver	p. 10-6

Reference

- The printer driver which enables you to print with 8-page imposition is "PS Plug-in driver" only.

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

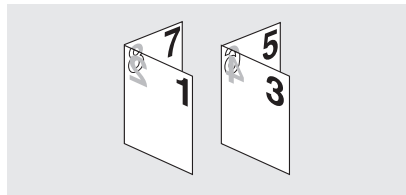
In this printing system, you can print 2 pages in a sheet of which size is double than that specified as the output paper.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-6
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-13
Mac OS X	PS Plug-in Driver	p. 10-6

Printing a booklet for folding into two (Booklet)

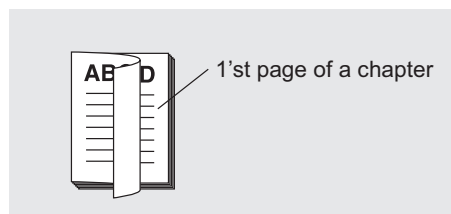
In this printing system, you can print an original in order of pages for creating a booklet when it is folded into two.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-6
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-13
Mac OS X	PS Plug-in Driver	p. 10-6

Printing in chapters (Chapter)

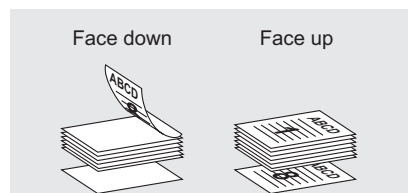
You can print an original with the specified page to be a front side at 2-sided printing.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-12
	XPS driver	p. 12-13
Mac OS X	PS Plug-in Driver	p. 10-12

Outputting pages with their faces up (Face Up)

In this printing system, you can output the output paper with its face up.

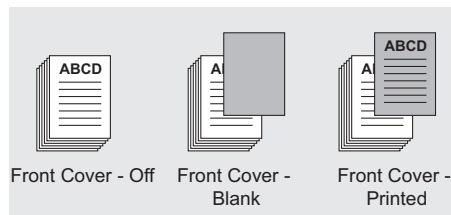


Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-15
Mac OS X	PS Plug-in Driver	p. 10-7

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

Setting a front cover

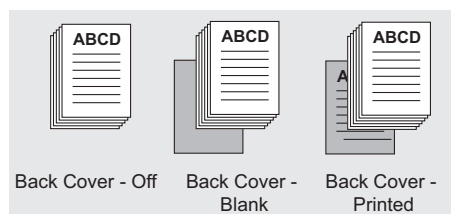
In this printing system, you can set a paper type (e.g. color paper) for a front page that is different with the paper type for other pages.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-10
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-17
Mac OS X	PS Plug-in Driver	p. 10-10

Setting a back cover

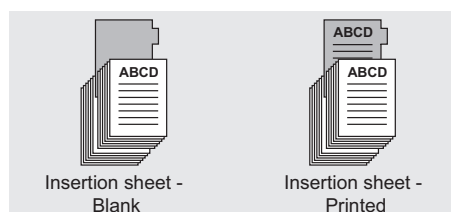
In this printing system, you can set a paper type (e.g. color paper) for a back page that is different with the paper type for other pages.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-10
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-17
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. 10-14
	XPS driver	p. 12-18
Mac OS X	PS Plug-in Driver	p. 10-14

Setting a cover

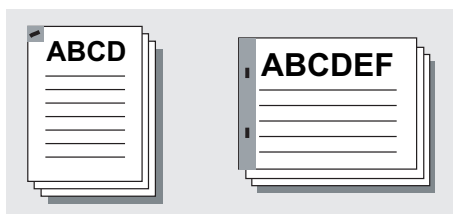
In this printing system, you can output paper that is different with the specified output paper, such as thick paper, as a cover.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-10
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-17
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. 11-6
	XPS driver	p. 12-15
Mac OS X	PS Plug-in Driver	p. 10-7

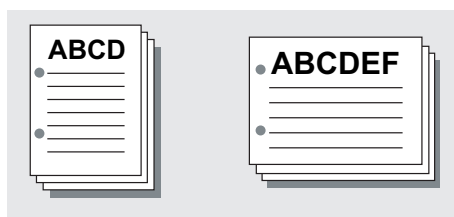
Setting a punch kit

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. 10-24
	PostScript PPD driver	p. 11-3
	XPS driver	p. 12-3
Mac OS X	PS Plug-in Driver	p. 10-24

Setting hole punching

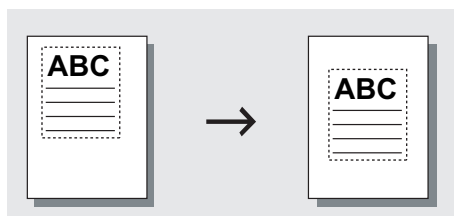
In this printing system, you can hole punch 2, 4, and multi holes on output paper.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-15
Mac OS X	PS Plug-in Driver	p. 10-7

Adjusting a print position (Image Shift)

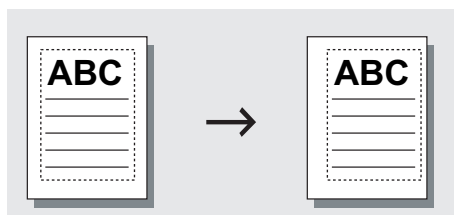
In this printing system, you can adjust the print position of a printing image.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-21
	XPS driver	p. 12-13
Mac OS X	PS Plug-in Driver	p. 10-21

Adjusting a print position (Binding Margin)

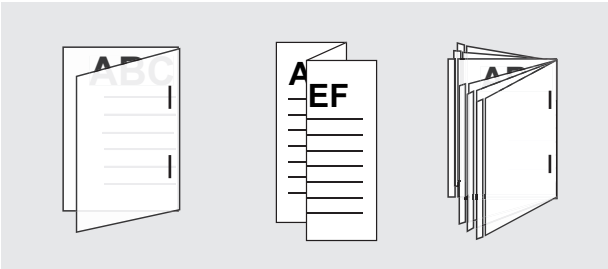
In this printing system, you can adjust the margin for document binding.



Operating system	Printer driver	Reference
Windows	XPS driver	p. 12-13

Setting binding, folding, and trimming

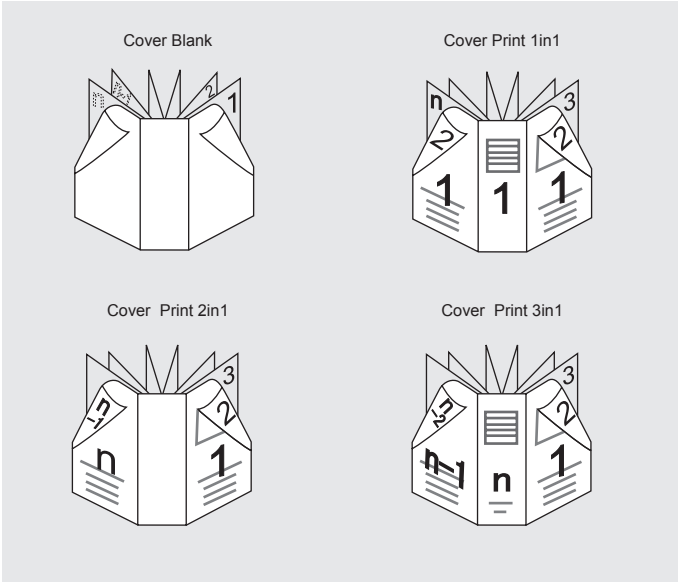
In this printing system, you can output the paper in half-folded, z-folded, tri-folded, half-bound, or trimmed.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-7
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-15
Mac OS X	PS Plug-in Driver	p. 10-7

Setting a perfect binder

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

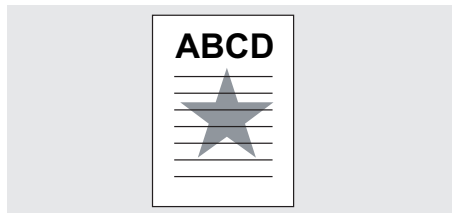


Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-10
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-15
Mac OS X	PS Plug-in Driver	p. 10-10

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. 10-20
	XPS driver	p. 12-19
Mac OS X	PS Plug-in Driver	p. 10-20

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. 10-22
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-19
Mac OS X	PS Plug-in Driver	p. 10-22

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. 10-22
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-19
Mac OS X	PS Plug-in Driver	p. 10-22

Printing an original with numbering

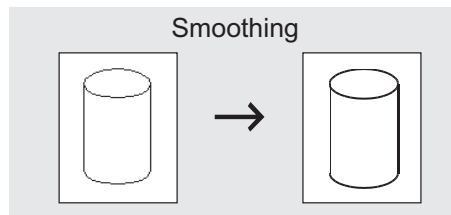
In this printing system, you can print an original with numbering.

Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-22
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-19
Mac OS X	PS Plug-in Driver	p. 10-22

9.2.8 Setting an image

Printing a line smoothly

You can print curves of texts and figures smoothly.



Operating system	Printer driver	Reference
Windows	PS Plug-in Driver	p. 10-19
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-24
Mac OS X	PS Plug-in Driver	p. 10-19

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. 10-19
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-24
Mac OS X	PS Plug-in Driver	p. 10-19

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. 10-23
	PostScript PPD driver	p. 11-6
	XPS driver	p. 12-10
Mac OS X	PS Plug-in Driver	p. 10-23

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. 10-23
	XPS driver	p. 12-10
Mac OS X	PS Plug-in Driver	p. 10-23

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 9-2 (Mac OS X).

Note

- The printer driver screens for bizhub PRESS C7000/C7000P/C6000 and C70hc are used here for explanations.
- bizhub PRESS C8000 is displayed as "C8000" here.

10.1 Default settings of the printer driver

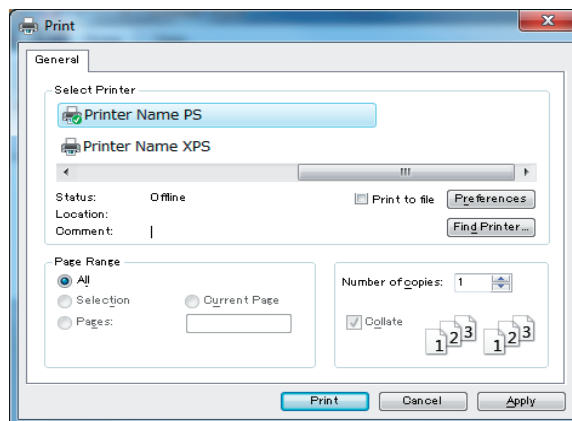
After installing the printer driver, you have to set an optional device in the [Configure] screen before printing.

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.

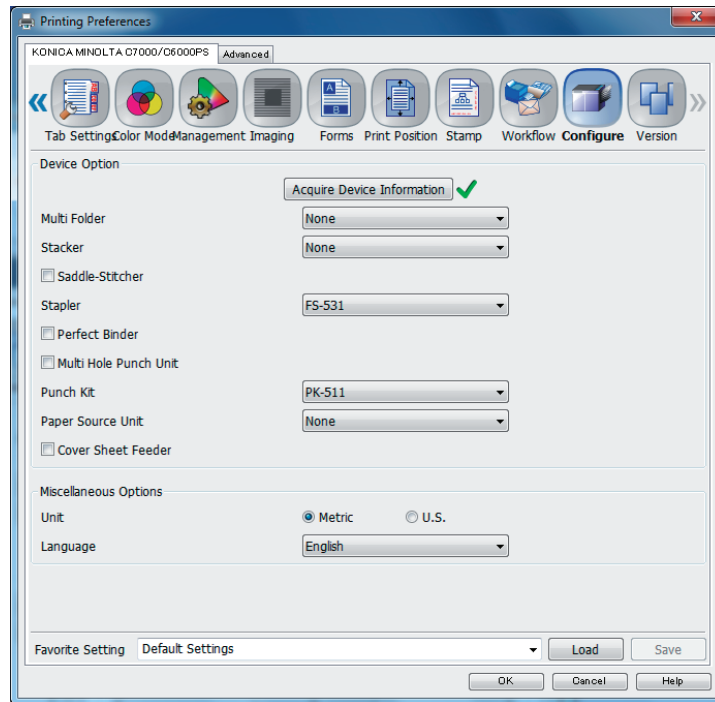
10.1.1 Displaying the Configure screen

- 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.

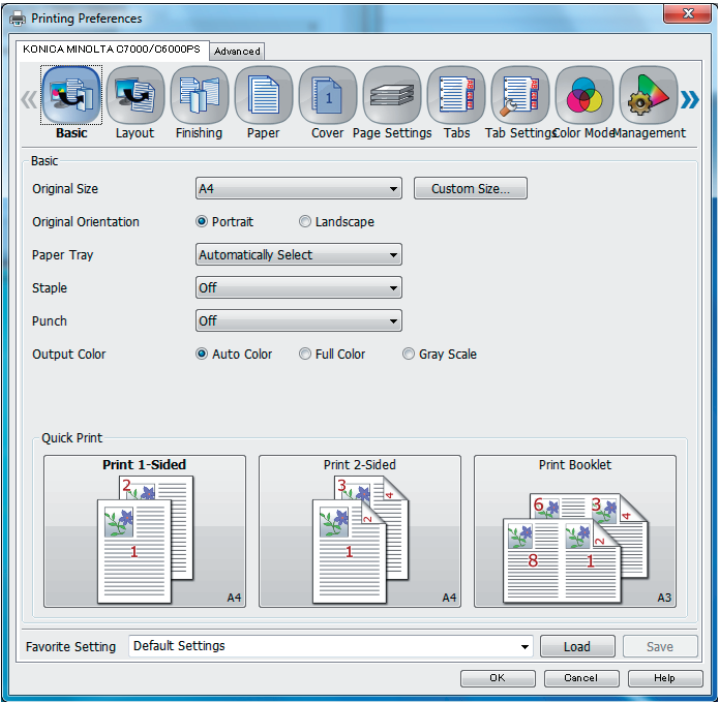


Reference

For details on the [Configure] tab, refer to page 10-24.

10.2 Common Setting

This section describes the settings and buttons common to tabs.

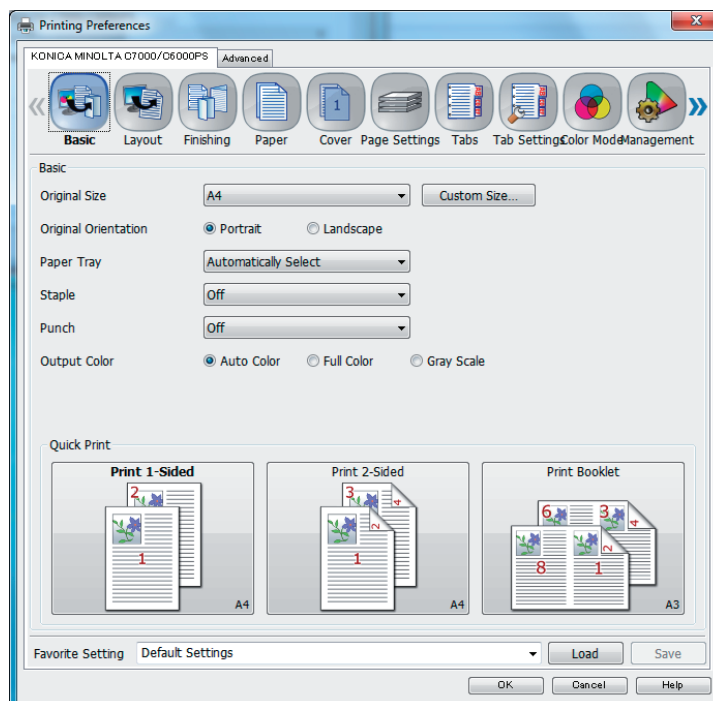


Item Name	Function
[OK]	Click this button to enable changed settings and close the properties window.
[Cancel]	Click this button to disable (cancel) changed settings and close the properties window.
[Help]	Click this button to display Help of the items.
[Load]/[Save](Favorite Setting)	Input a name in 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



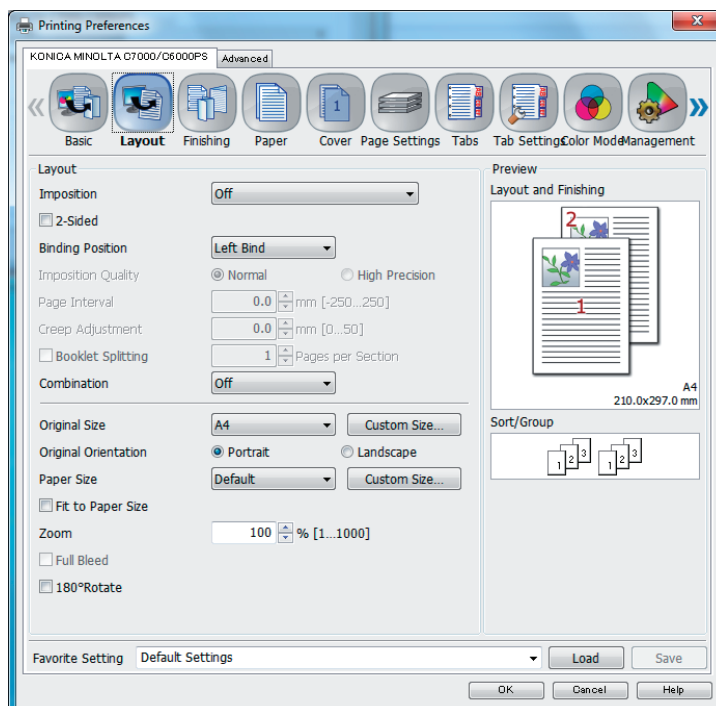
Function Name	Option	Description
[Original Size]	The paper sizes registered as the standard paper sizes and custom sizes	Select the paper size of the original.
	[Custom Size]	Specifies or registers the size.
[Original Orientation]	[Portrait], [Landscape]	Select the orientation for the original.
[Paper Tray]	Automatically Select, Tray 1 - 5, Bypass Tray For C8000, Automatically Select, Tray 1 - 9	Select a paper tray to be used. Selectable items vary depending on the option installation status.
[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.
[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.
C8000 cannot print banner printing size.

10.3.2 [Layout] tab



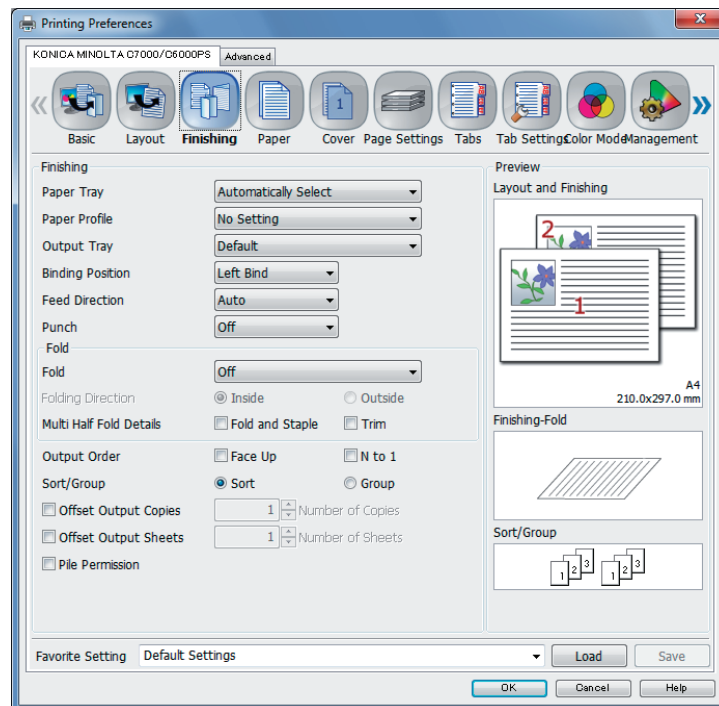
Function Name	Option	Description
[Imposition]	[Off], [Adhesive Binding], [Booklet], [2 in 1 (Full Size)], [2 Repeat], [2 Repeat Reversal (Left)], [2 Repeat Reversal (Right)], [4 Repeat]	Set this to perform an imposition printing.
[2-Sided]	Off, On	Set this to perform a 2-sided printing.
[Binding Position]	[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.

Function Name	Option	Description
[Paper Size]	The paper sizes registered as the standard paper sizes and custom sizes	Set a paper size.
[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.
C8000 cannot print banner printing size.

10.3.3 [Finishing] tab



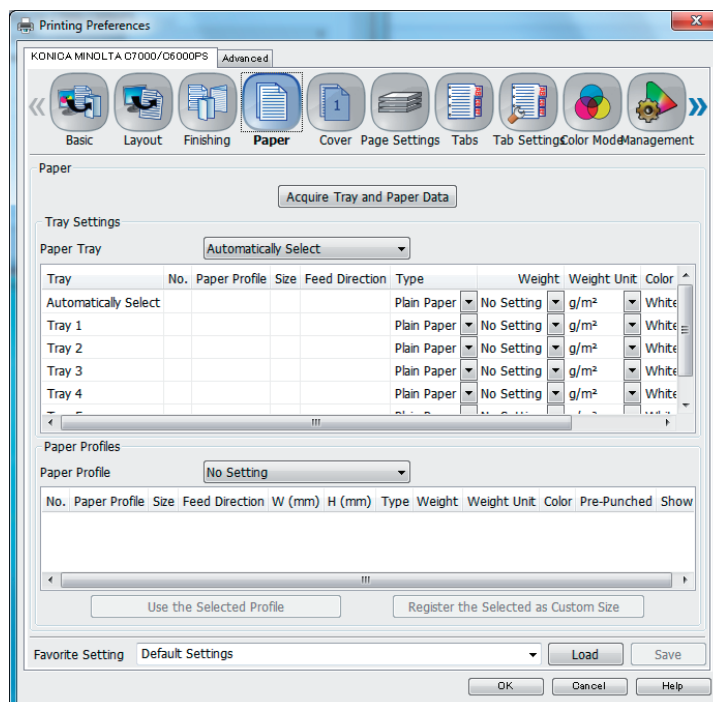
Function Name	Option	Description
[Paper Tray]	Automatically Select, Tray 1 - 5, Bypass Tray	Select a paper tray to be used. Selectable items vary depending on the option installation status.
[Paper Profile]	No Setting, Registered paper profile	Selects predefined paper profile. You can add a new paper 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 Position]	[Left Bind], [Right Bind], [Top Bind]	Specify the binding position.
[Feed Direction]	[Auto], [Long Edge], [Short Edge]	Set a direction to feed paper.

Function Name	Option	Description
[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.
[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 the optional Multi Folder, Stapler (FS-612), Saddle-Stitcher are installed

10.3.4 [Paper] tab



Tray Setting

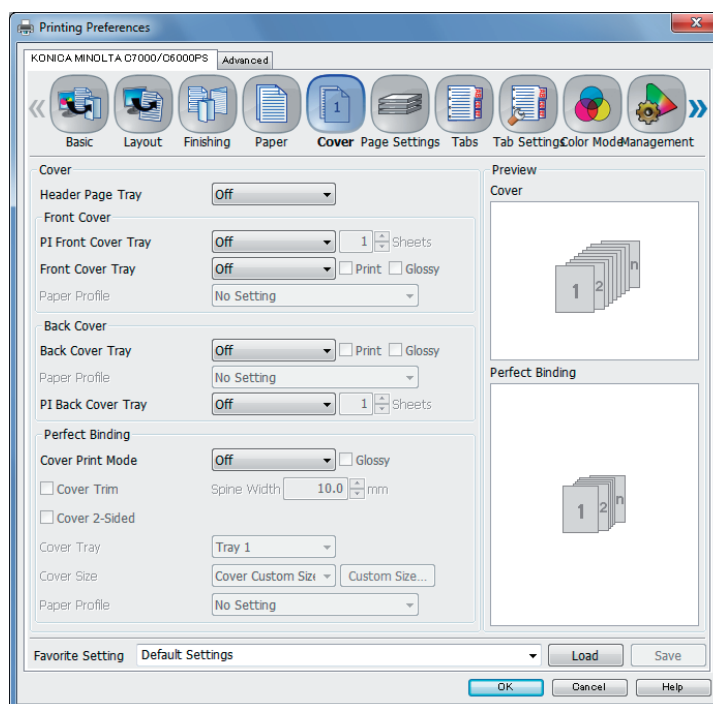
Function Name	Option	Description
[Acquire Tray and Paper Data]	-	Acquire the paper tray information set and the paper profile information defined in this machine.
[Tray]	Automatically Select, Tray 1 - 5, Bypass Tray For C8000, Automatically Select, Tray 1 - 9	Select a paper tray to be used. Selectable items vary depending on the option installation status.
[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 , For C8000: 64-74g/m ² , 75-80g/m ² , 81-105g/m ² , 106-135g/m ² , 136-162g/m ² , 163-220g/m ² , 221-256g/m ² , 257-300g/m ² , 301-350g/m ² , (In case the unit for paper weight is g/m ²)	Set paper weight of output paper.

Function Name	Option	Description
[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

Function Name	Option	Description
[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



Cover

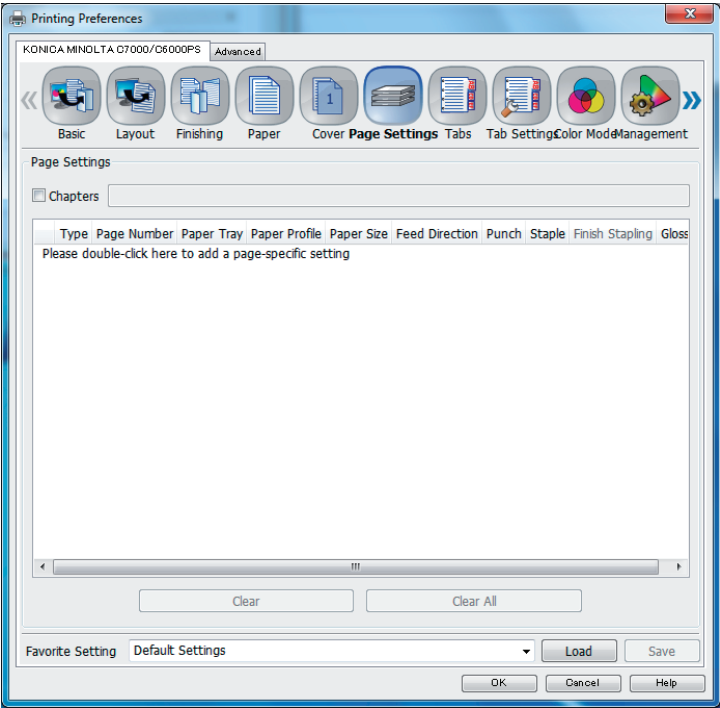
Function Name	Option	Description
[Header Page Tray]	Off, Auto, Tray 1 - 5, Bypass Tray For C8000, Off, Auto, Tray 1 - 9	Set a tray from which a header page is inserted.
[PI Front Cover Tray]	Off, PI Tray 1-2	Select when printing a different type of paper, such as thick paper, for the Front Cover. Continuous insertion is available for up to 500 sheets when PI Tray is selected.

Function Name	Option	Description
[Front Cover Tray]	Off, Tray 1 - 5, Bypass Tray For C8000, Off, Tray 1 - 9	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. C8000 does not support [Glossy].
[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 For C8000, Off, Tray 1 - 9	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. C8000 does not support [Glossy].
[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. Continuous insertion is available for up to 500 sheets when PI Tray is selected.

Perfect Binding

Function Name	Option	Description
[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. C8000 does not support [Glossy].
[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.
[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 For C8000, Off, Tray 1-9, PI Tray 1-2, PB Cover 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]	-	Set a paper profile.

10.3.6 [Page Settings] tab

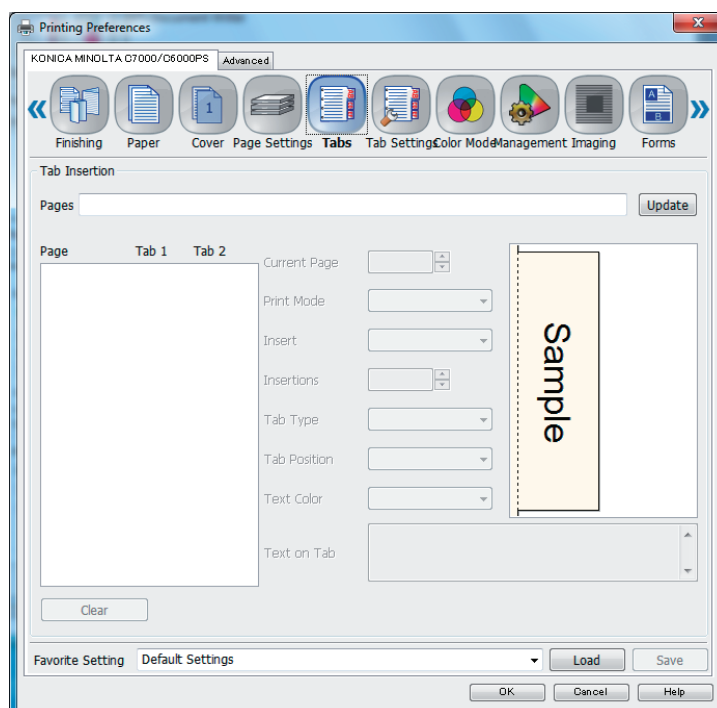


You can set paper and print settings for each page.

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 [2-Sided] is turned on.

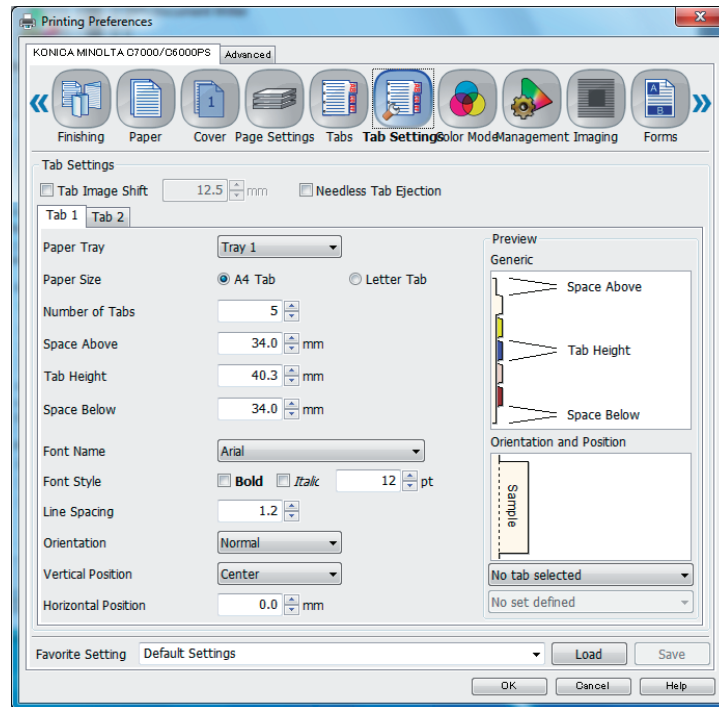
Function Name	Option	Description
Page Setting	[Type]	Set a print type for a page specified in [Page Number]. Select [Same as Body] to apply the setting for the original.
	[Page Number]	Set the page number for setting Page Settings.
	[Paper Tray]	Set a print tray for a page specified in [Page Number]. 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. C8000 does not support [Glossy].
[Clear]	Clear the selected page settings.	
[Clear All]	Clear all page settings.	

10.3.7 [Tabs] tab



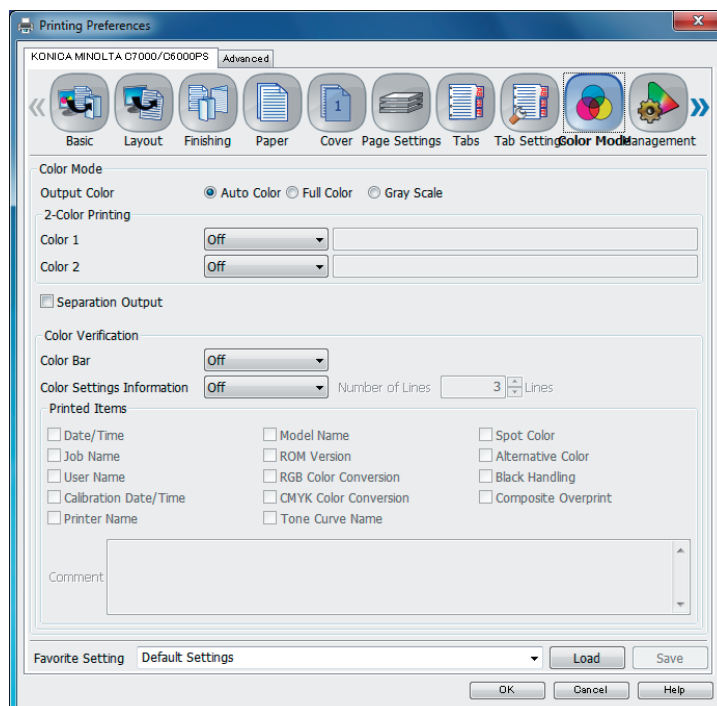
Function Name	Option	Description
[Pages]	-	Specify a page to insert a tab. To apply the setting, click [Update].
[Current Page]	-	You can change the page for the selected tab.
[Print Mode]	[Print on Tab], [Print on Body]	Specify whether to print on tab or body.
[Insert]	[Off], [Before], [After]	Specify 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 For C8000, Tray 1 - 9	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.
[Font 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.

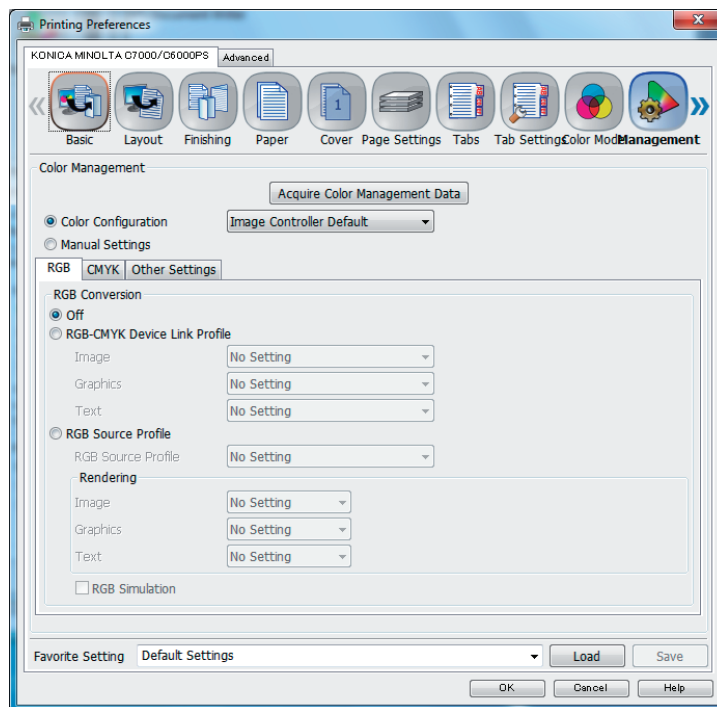
10.3.9 [Color Mode] tab



Function Name	Option	Description
[Output Color]	[Auto Color], [Full Color], [Gray Scale]	Select the output color.
[2-Color Printing]	[Color 1], [Color 2]	Specify when printing with 2 spot colors. Assign spot colors for [Color 1] and [Color 2] by selecting proof from [Cyan], [Magenta], [Yellow] and [Black]. Specify spot color name from [Spot Color Table Name], [Spot Color Name]. Spot color can be created and managed by the auxiliary application "Color Centro". For details, refer to "IC-601 User's Guide Color Centro".
[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].
	[Model Name]	Select this check box to print [Model Name] for [Color Settings Information].
	[ROM Version]	Select this check box to print [ROM Version] for [Color Settings Information].

Function Name	Option	Description
	[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].
	[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].
	[Comment]	A comment can be printed for up to 200 characters in [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], [Image Controller Default]	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.

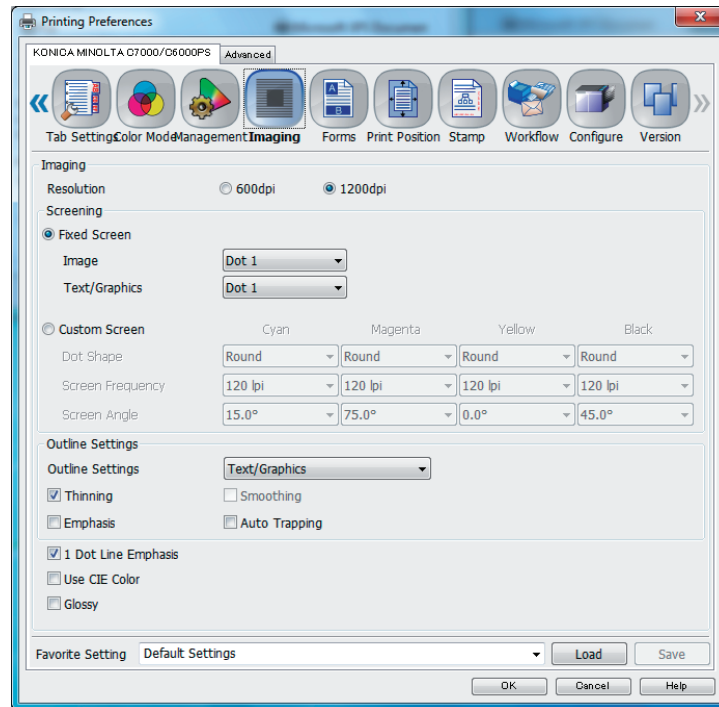
Function Name	Option	Description
[RGB Conversion]	Off	Select this check box not to set the RGB color conversion. When using an embedding profile, select [Off].
	[RGB-CMYK Device Link Profile]	Set it for [Image], [Graphics], and [Text].
	[RGB Source Profile]	Select a source profile and set [Rendering].
	[Rendering]	Set [Perceptual] and [Saturation] for [Image], [Graphics], and [Text].
	[RGB Simulation]	Set [RGB Simulation].
[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 spot 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. Select either [High Speed] or [High Quality].



Reference

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

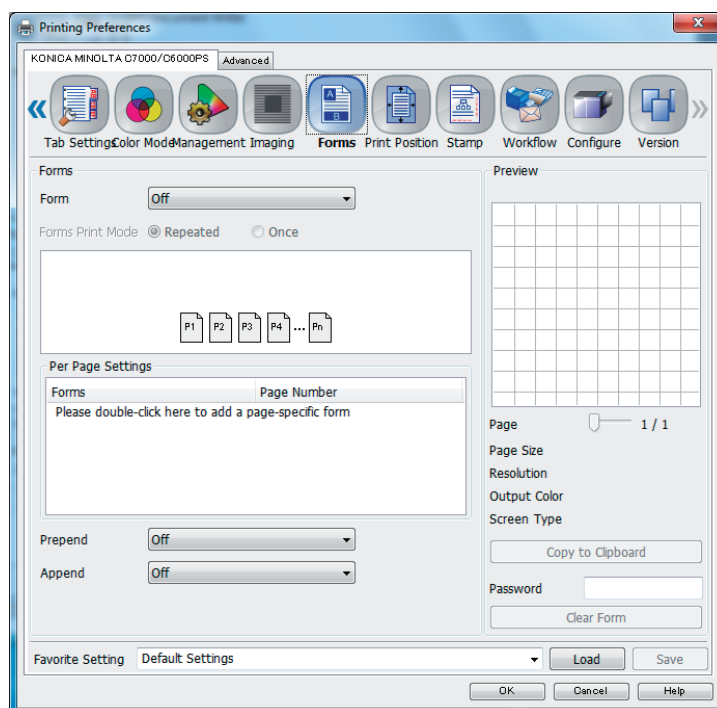
10.3.11 [Imaging] tab



Function Name	Option	Description
[Resolution]	[600dpi], [1200dpi]	Select a resolution.
[Image]	[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]	[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. C8000 does not support [Glossy].

10.3.12 [Forms] tab

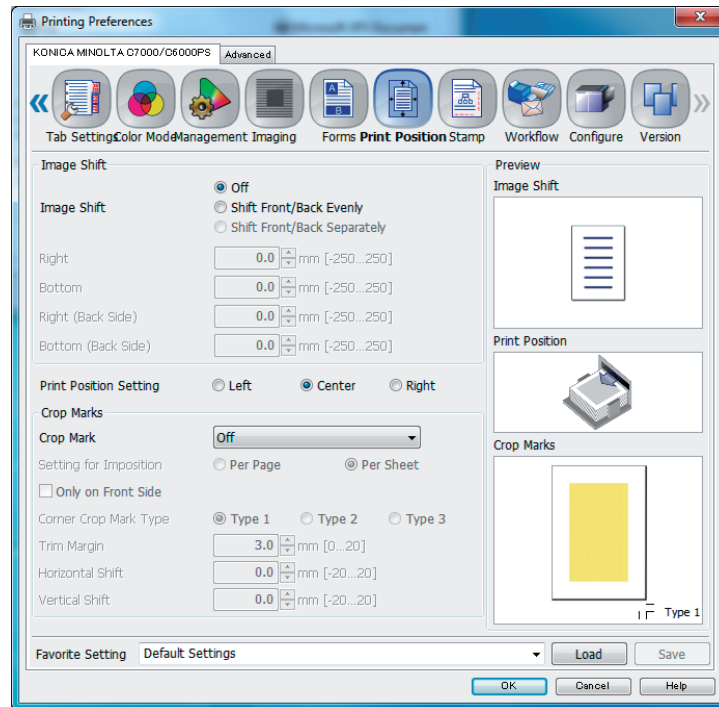





The form image file can be superimposed.

Select [Workflow] tab - [Print Mode] - [Form] to save a form file. For details, refer to page 10-23.

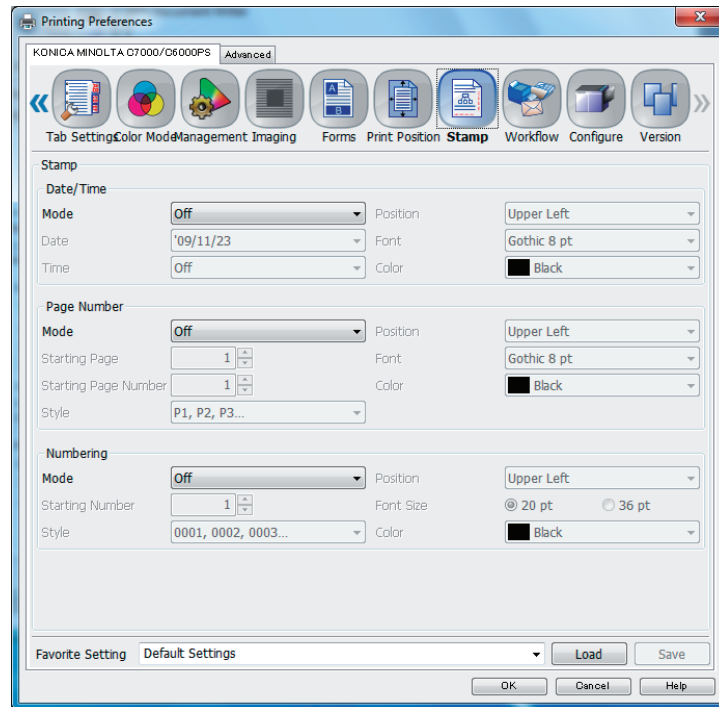
Function Name	Option	Description
[Form]	[Off], [Registered form name.]	Set the form function.
[Forms Print Mode]	[Repeated], [Once]	Select [Repeated] to overlay all form pages repeatedly in order from the first page on a printing document. Select [Once] to overlay all forms pages only once in order from 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 14-12.

10.3.13 [Print Position] tab



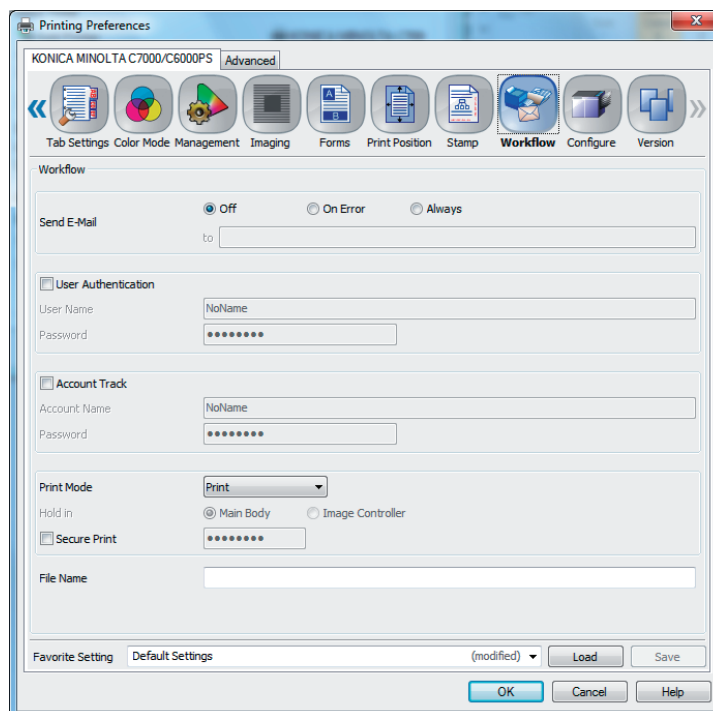
Function Name	Option	Description
[Image Shift]	[Off], [Shift Front/Back Evenly], [Shift Front/Back Separately]	Set [Right] and [Bottom] to shift a position of a print image. Set [Right] to shift the output image horizontally. (Positive value: shift to the right, negative value: shift to the left) Set [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.
[Only on Front Side]	Off, On	The crop mark is printed only on the front surface if [2-Sided] is selected.
[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



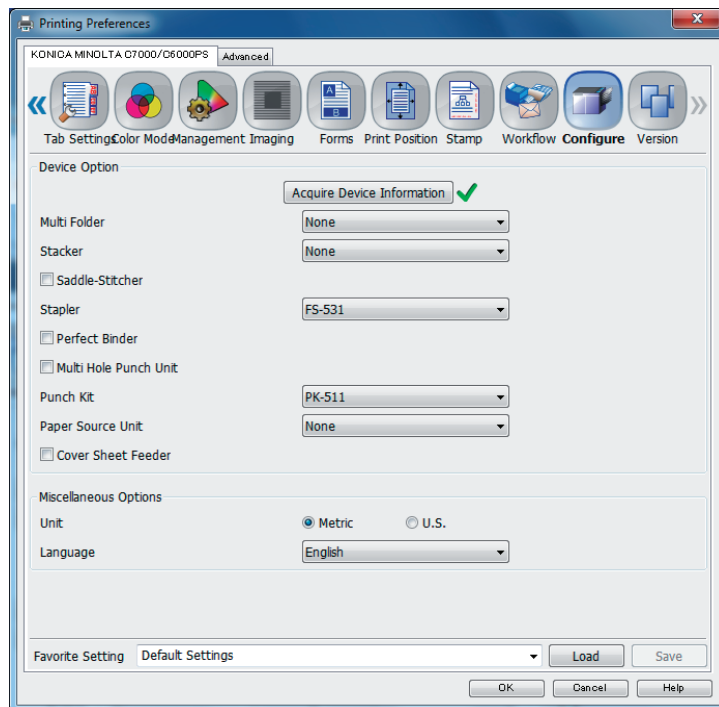
Function Name	Option	Description
[Send E-mail]	[Off], [On Error], [Always]	Set this to send an E-mail to a specified address after completing a print job.
[User Authentication]	[User Name], [Password], [Again]	Set a user name and password to a print job if the user authentication function is enabled in the machine. You need to input the user name and password to print if [User Authentication] is checked. For details, refer to page 13-10.
[Account Track]	[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. For details, refer to page 13-12.
[Print Mode]	[Print], [Spool], [Hold], [Print and Hold], [Form]	Select a print method. When [Print] is selected, the print job is printed without it being stored in a hard disk. When [Spool] is selected, the print job is stored in the hard disk in the main body temporarily, and then printed. It can prevent the intermittent printing that may be observed when print a job with a lot of pictures, etc. 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. Refer to page 10-20 for more detailed information on [Form]. Refer to page 13-6 for more detailed information on [Hold], [Print and Hold].
[Hold in]	[Main Body], [Image Controller]	If you selected [Hold] or [Print and Hold] in [Print Mode], select either of the HDD as destination. For details, refer to page 13-6.

Function Name	Option	Description
[Secure Print]	[Password], [Again]	Job is stored in the [Hold Job] of the machine. 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. Refer to page 13-2 for more detailed information on [Secure Print].
[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.

10.3.16 [Configure] tab



Item Name	Function
[Acquire 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 Unit]	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. Tray 4 - 9 can be used in C8000.

Item Name	Function
[Cover Sheet Feeder]	Coated paper etc. can be inserted in order for the heat from the copier from interfering.
[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].

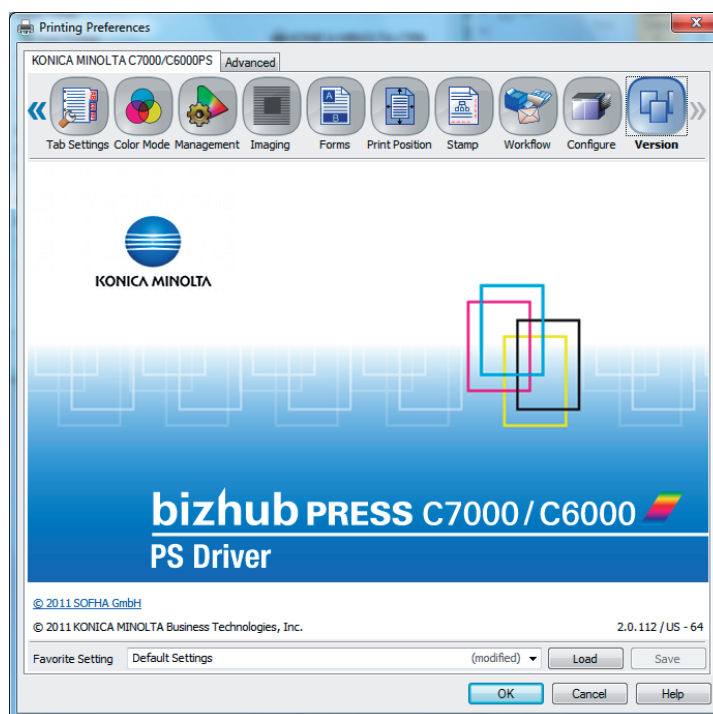


Reference

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

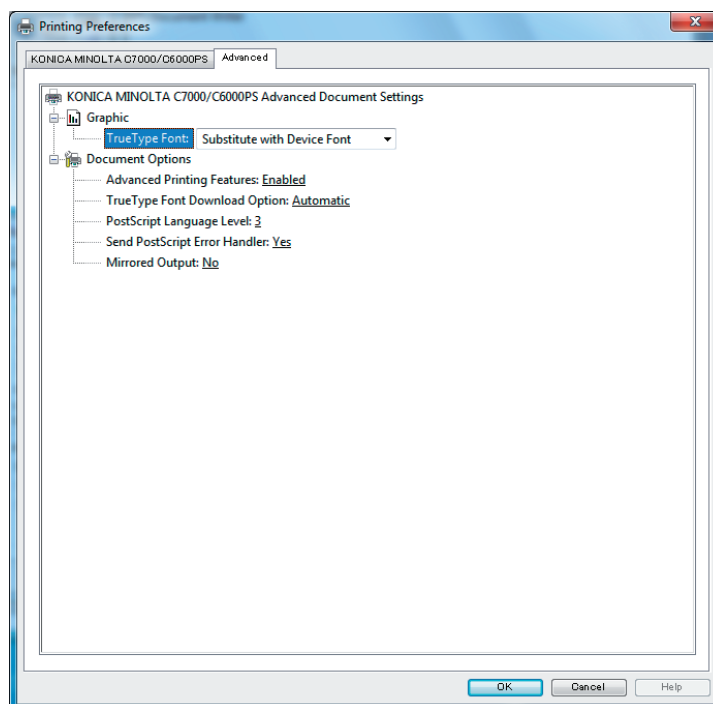
[Language] is only for Windows whereas [MacOS Keychain] is only for Mac OS X.

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.



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.

Note

- The printer driver screens for bizhub PRESS C7000/C7000P/C6000 and C70hc are used here for explanations.
- bizhub PRESS C8000 is displayed as "C8000" here.

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.

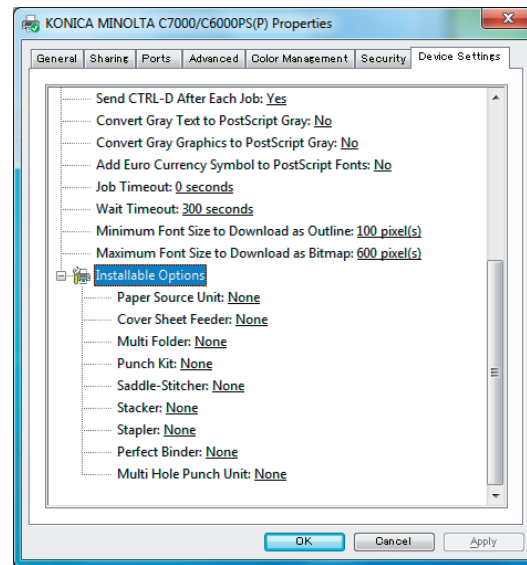
NOTICE

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.

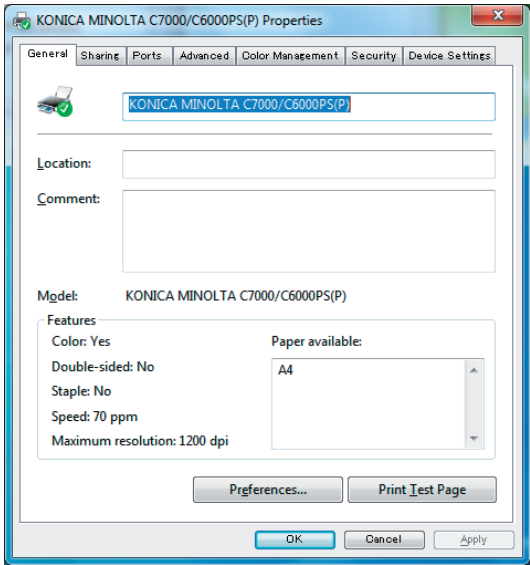


Reference

For details on the function and settings of the printer driver, refer to page 11-5.

11.2 Common Setting

This section describes the settings and buttons common to tabs.



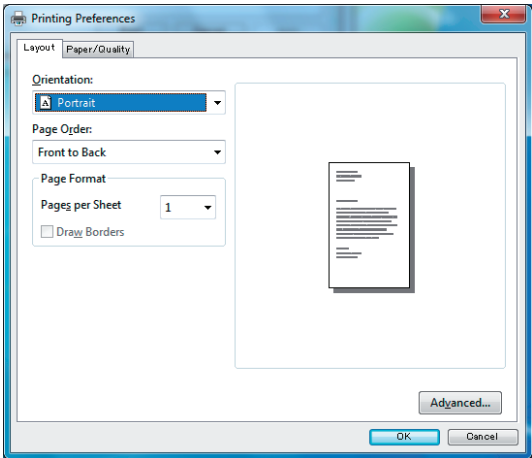
Item Name	Function
[OK]	Click this button to enable changed settings and close the properties window.
[Cancel]	Click this button to disable (cancel) changed settings and close the properties window.
[Apply]	Check this button to save the current tab setting.

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

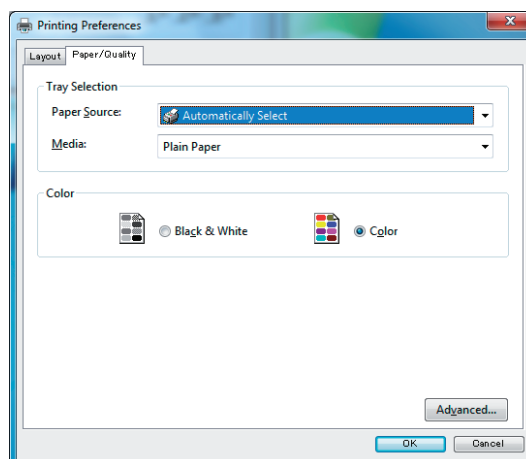
You can set the print orientation, page order, and number of pages per sheet.



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...]		Press this button to display the Advanced Options window.

11.3.2 [Paper/Quality] tab

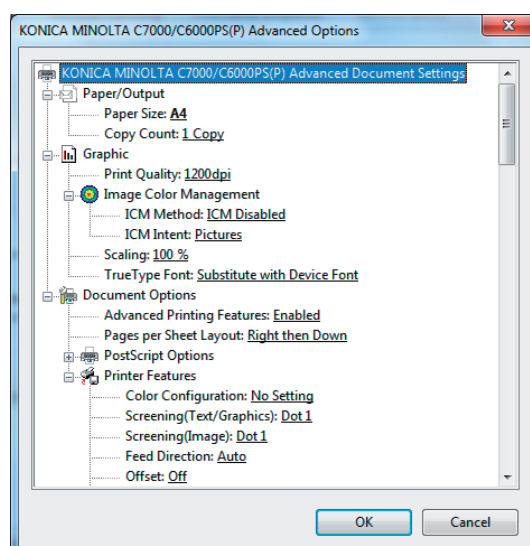
You can set a paper source and paper type.



Function Name	Option	Description
[Paper Source]	Tray 1 - 5, Manual Feed For C8000, Tray 1 - 9	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...]		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.
Copy Count	1 - 9999	Specify the number of copies to print.
[Print Quality]	[600dpi], [1200dpi]	Select a resolution.

Function Name	Option	Description
[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.
[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	Stagger after each set of copies specified.
[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 For C8000: 64-74g/m ² , 75-80g/m ² , 81-105g/m ² , 106-135g/m ² , 136-162g/m ² , 163-220g/m ² , 221-256g/m ² , 257-300g/m ² , 301-350g/m ² (In case the unit for paper weight is g/m ²)	Set weight of output paper.
[Colored Paper]	[White], [Non-White]	Specify color of output paper.

Function Name	Option	Description
[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.
180° Rotate	Off, On	Select ON 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 For C8000, Off, Tray 1 - 9	Specify a tray for a front cover.
[Front Cover-Glossy]	Off, On	Set this to print a front cover in glossy mode. C8000 does not support Glossy.
[Back Cover]	[Off], [Print], [Blank]	Set this to add a back cover.
[Back Cover Tray]	Off, Tray 1 - 5, Manual Feed For C8000, Off, Tray 1 - 9	Specify a tray for a back cover.
[Back Cover-Glossy]	Off, On	Set this to print a back cover in glossy mode. C8000 does not support Glossy.

Function Name	Option	Description
[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. C8000 does not support Glossy Mode.
[Perfect Binding Cover Tray]	Off, Tray 1-5, PI Tray 1-2, PB Cover Tray, Bypass Tray For C8000, Off, Tray 1-9, PI Tray 1-2, PB Cover 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 [Print] is selected, the print job is printed without it being stored in a hard disk. When [Spool] is selected, the print job is stored in the hard disk in the main body temporarily, and then printed. It can prevent the intermittent printing that may be observed when print a job with a lot of pictures, etc. Refer to page 13-7 for more detailed information on [Hold], [Print and Hold].
[Holding HDD]	[Main Body], [Image Controller]	If you selected [Hold] or [Print and Hold] in [Print Mode], select either of the HDD as destination. For details, refer to page 13-7.
[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 set 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. C8000 does not support [Glossy].

Function Name	Option	Description
[Rendering (Text)]	[Perceptual], [Saturation]	Set rendering of a text.
[Rendering (Graphics)]	[Perceptual], [Saturation]	Set rendering of a graphic.
[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 spot 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 - Model Name]	Off, On	Select this check box to print [Model Name] for [Color Settings Information].
[Printed Items - ROM Version]	Off, On	Select this check box to print [ROM Version] for [Color Settings Information].

Function Name	Option	Description
[Printed Items - Comment]	Off, On	A comment can be printed for up to 200 characters in [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].
[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 the optional Multi Folder, Stapler (FS-612), Saddle-Stitcher are installed
- When [Printed Items - Comment] is turned on, it will print the comment that is configurable in [Color Default Settings] in "Color Centro". For details, refer to "IC-601 User's Guide Color Centro".



Reference

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

12

**Print functions of XPS driver
for Windows**

12 Print functions of XPS driver for Windows

This chapter describes the functions of the XPS driver for Windows.

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

Note

- The printer driver screens for bizhub PRESS C7000/C7000P/C6000 and C70hc are used here for explanations.
- bizhub PRESS C8000 is displayed as "C8000" here.

12.1 Default settings of the printer driver

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

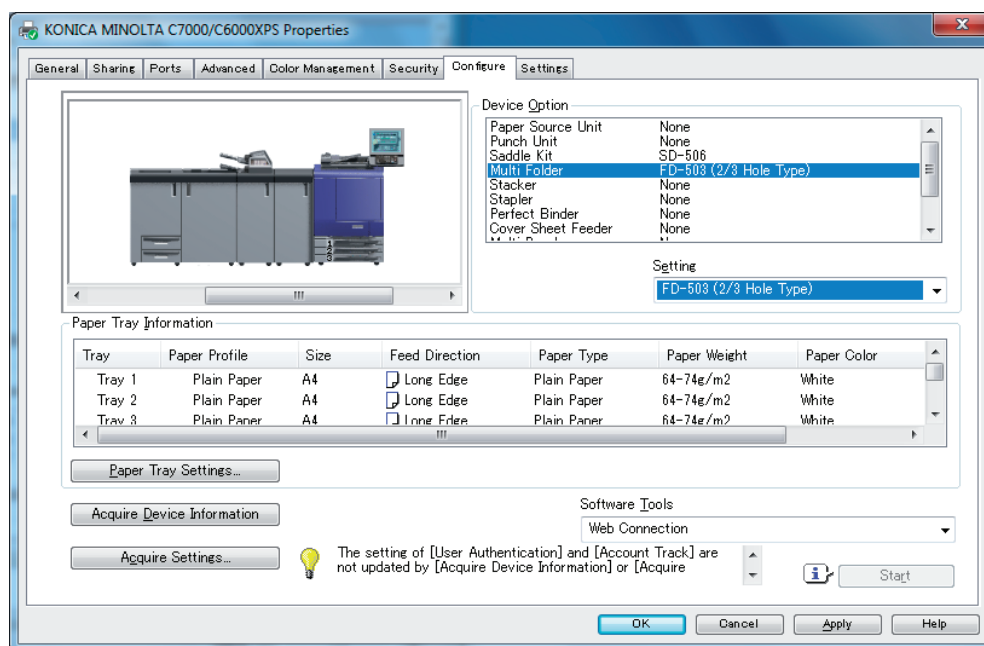
NOTICE

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

12.1.1 Displaying the Properties window

- 1 Open [Printers] window or [Devices and Printers] 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].
- 2 Open [Printer Properties].
 - In Windows Vista/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].

12.1.2 [Configure] tab



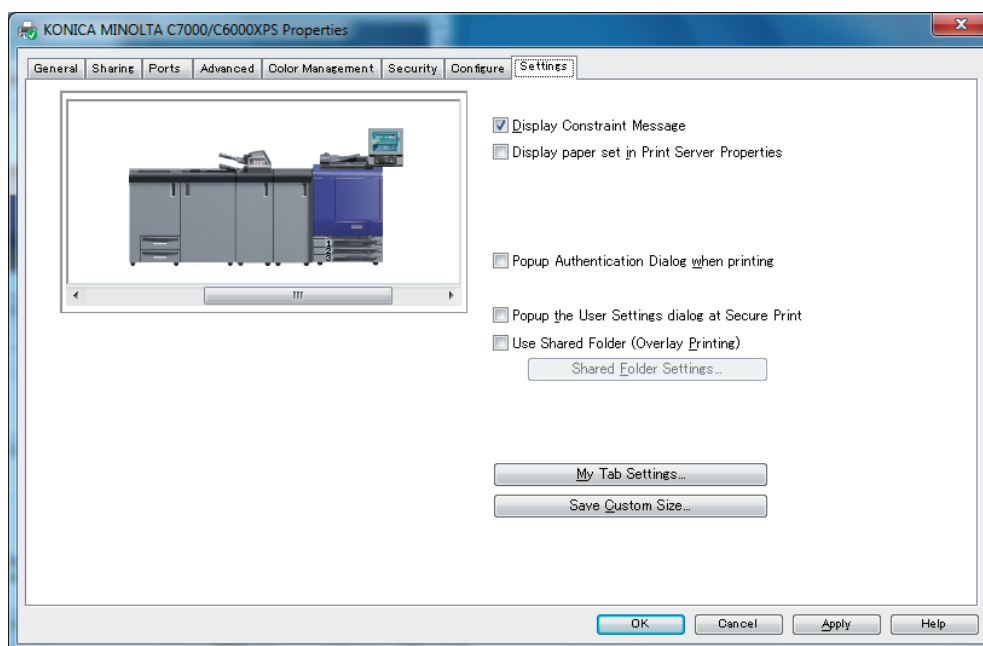
Specify the model name used and presence or absence of the installed options, user authentication and account track functions, and then allow the printer driver to use the functions of the machine.

Item Name	Function
[Device Option]	Configure the model name of the machine and the status of the installed printer options and user authentication/account track. Specify the status of each item in the [Setting] box.
[Paper Tray Information]	Displays the paper type assigned for each paper tray. Click [Paper Tray Settings...] to configure the settings for each paper tray.
[Acquire Device Information]	Click this button to communicate with this machine and load the status of the installed options.
[Acquire Settings...]	Click this button to configure conditions such as the destination when you perform [Acquire Device Information]. When automatically acquiring device information, enable [Auto].
[Software Tools]	Allows you to start up the software tools such as PageScope Web Connection.

Reference

- The option in [Device Option] are specified automatically if [Acquire Settings] is set to [Auto]. If [Auto] is not enabled, be sure to specify the machine and option manually or using [Acquire Device Information].
- The function of [Acquire Device Information] is available only when your computer is connected to and can communicate with the machine.

12.1.3 [Settings] tab



The Settings tab allows you to change the default settings for displaying the confirmation messages or the window for entering the authentication settings.

Item Name	Function
[Display Constraint Message]	Select this check box to display the message when functions that cannot be configured simultaneously are enabled for the printer driver.
[Display paper set in Print Server Properties]	Select this check box to use forms added in the [Server Properties] dialog box of the Printers window.
[Popup Authentication Dialog when printing]	Select this check box to display the [User Authentication/Account Track] dialog box when specifying printing, prompting entering the user name and account name.
[Popup the User Settings dialog at Secure Print]	Select this check box to display the [Secure Print] dialog box prompting entry of ID and password when performing secure print.
[Use Shared Folder (Overlay Printing)]	Select this check box to specify whether to share the saved overlay files and use the shared folder on the network. To set shared folder, click [Shared Folder Settings] and specify shared folder.
[My Tab Settings]	Configure the settings to display My Tab for the printer driver. [Display My Tab]: Displays or hides [My Tab]. Select this check box to display [My Tab]. If this check box is not selected, [Share My Tab], [Prohibit Editing], and [Display Note] will be disabled and [My Tab] will not be displayed. [Share My Tab]: Specifies whether to share the function layout on [My Tab]. If this check box is selected, the [My Tab] layout specified in the server side is inherited to [My Tab] in the client side when specifying a shared printer of the server from a client and installing the printer driver. Also, this function hides the [Edit My Tab] key in the client side to prohibit a client user from editing My Tab. [Prohibit Editing]: Prohibits or allows each user to edit My Tab. If this check box is selected, the [Edit My Tab] key is hidden to prohibit each user from editing My Tab. [Display Note]: Displays or hides a note on [My Tab]. If this check box is selected, a note on My Tab is displayed.
[Save Custom Size...]	Click this button to register custom paper sizes.

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.
C8000 cannot print banner printing size.

**Reference**

For details on the My Tab function, refer to page 12-8.

12.1.4 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].
- 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.

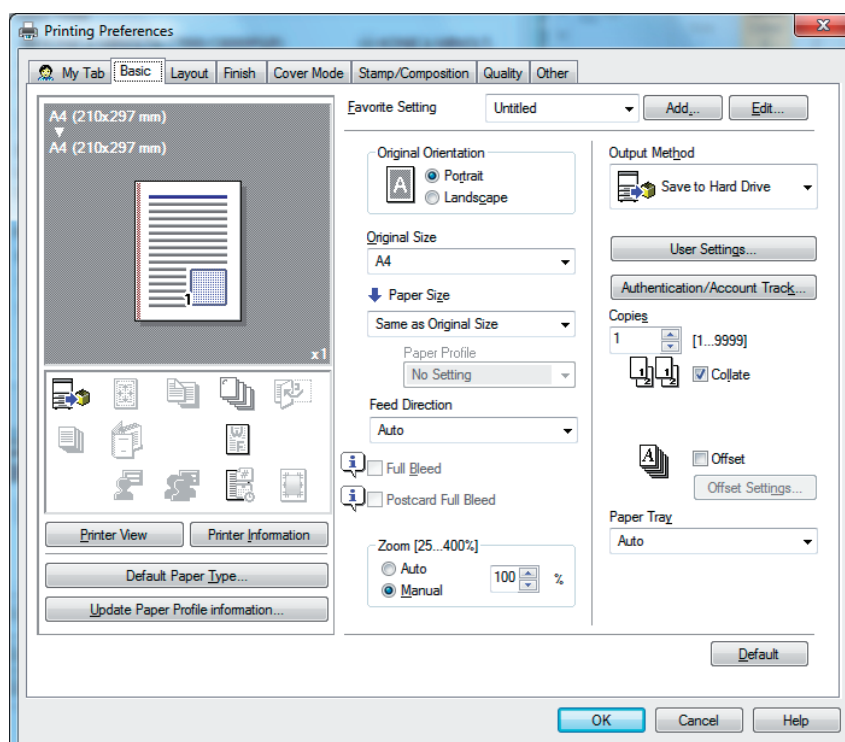
**Reference**

For details on the function and settings of the printer driver, refer to page 12-8.

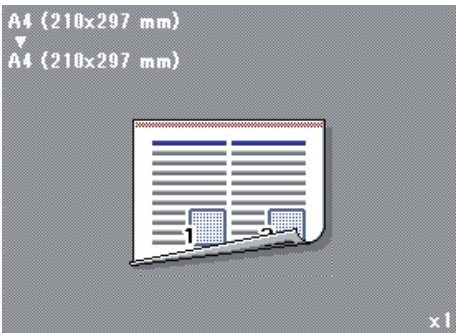

The printer driver has the function to save the setting as a [Favorite Setting]. For details, refer to page 12-6.

12.2 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 in the displayed window.
[Add...] (Favorite Setting)	Click this button to save current settings so that they can be recalled later. For the items displayed with the [Restore Items] function, you can select whether to call the settings specified when the Favorite Setting was created when you select the [Favorite Setting]. The following are the items for which you can make a setting in [Restore Items]. <ul style="list-style-type: none"> • Original size, original orientation • Copies • List information of paper type settings • List information of overlay • List information of per page setting • Watermark list information and share setting If you do not check these items, their settings are not called even if you select [Favorite Setting].
[Edit...] (Favorite Setting)	Click this button to change saved settings. In [Option...], you can change whether to select the [Restore Items] check box.
[Default]	Click this button to return to the default settings.

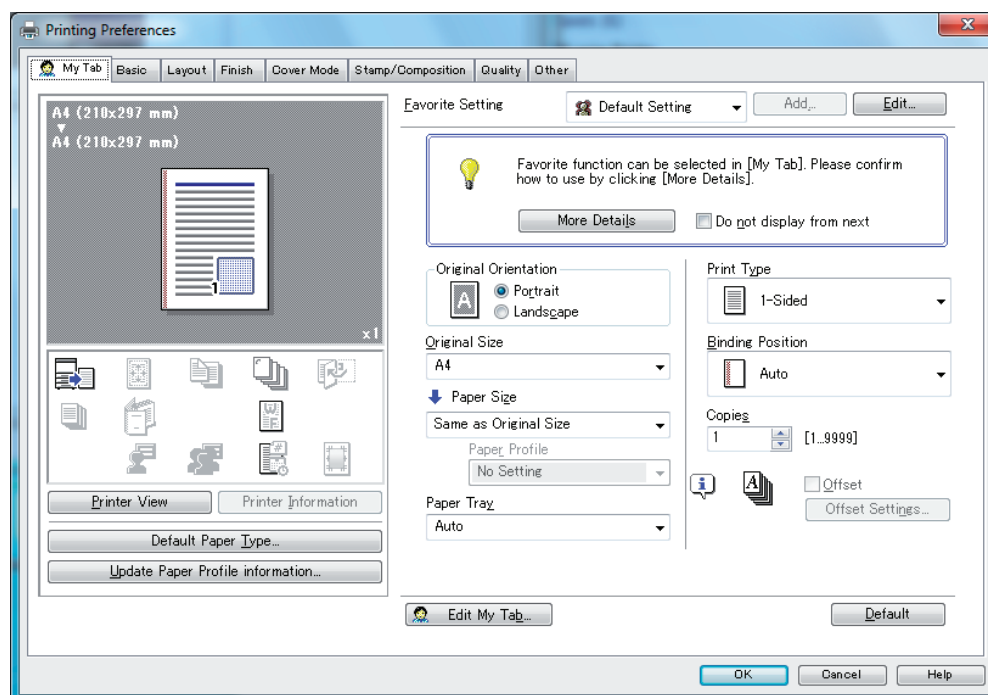
Item Name	Function
[View]	<p>Selecting [Paper View] displays the sample page layout based on current settings for checking the output result image.</p> <p>Selecting [Printer View] displays a printer figure showing the options installed in the machine such as the paper tray.</p> <p>Paper:</p>  <p>Printer:</p> 
[Printer Information]	<p>Click this button to start PageScope Web Connection and check the printer information. This button is enabled only when your computer can communicate with this machine.</p>

12.3 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] or [Devices and Printers] window. Then select [Printing preferences...].

12.3.1 My Tab

My Tab allows you to customize the display contents. By registering frequently used setting functions to My Tab, the printer driver can be easier to use, and you can modify various settings from a single window.



Function Name	Option	Description
[More Details]		Click this button to display the Help of My Tab.
[Do not display from next]	Off, On	Select this check box to hide the comment field containing [More Details] from the next time.
[Edit My Tab...]		Click this button to register or delete the functions displayed on My Tab. For details, refer to page 12-9.

Reference

- The comment field containing [More Details] or [Do not display from next] is not displayed if [Display Note] is disabled in [My Tab Settings] of the [Settings] tab.
- [Edit My Tab...] is not displayed when [Prohibit Editing] is enabled in [My Tab Settings] of the [Settings] tab.
- Items other than the above are customized on [Edit My Tab...], and the specific display contents vary depending on the registered contents.



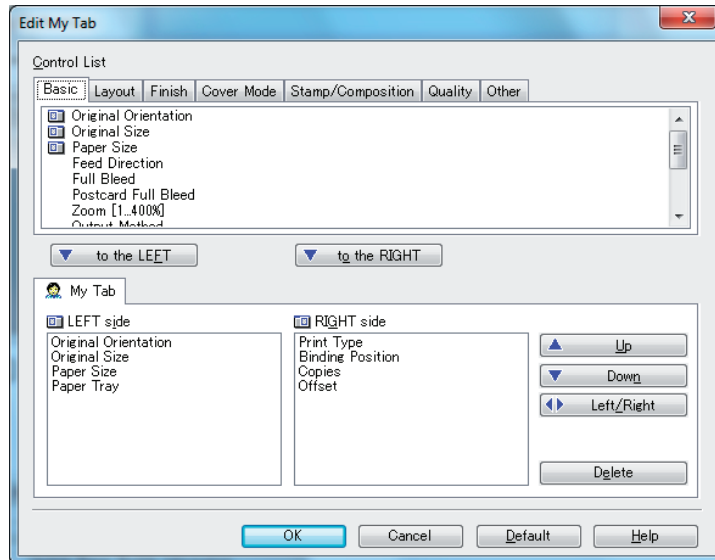
Reference

For details on the [Settings] tab, refer to page 12-4.

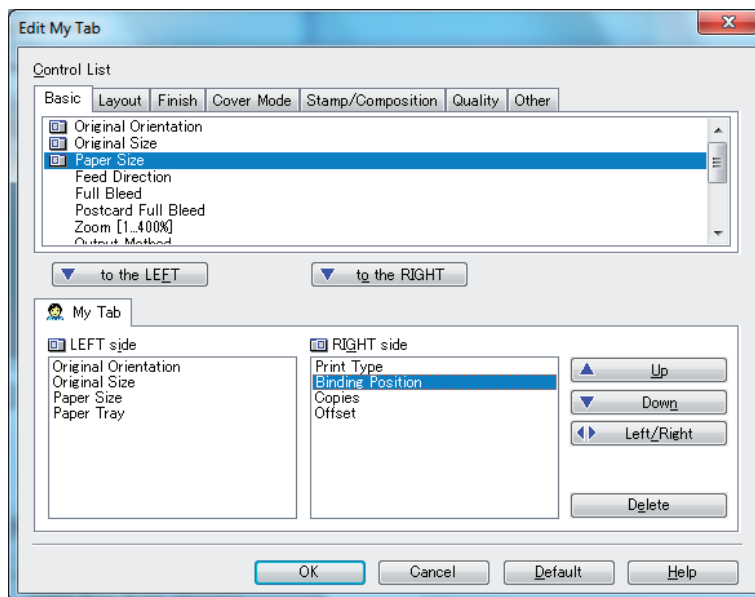
Edit [My Tab...]

- ✓ [Edit My Tab...] is not displayed when [Prohibit Editing] is enabled in [My Tab Settings] of the [Settings] tab.

- 1 On [My Tab], click [Edit My Tab...].
- 2 Select the function you want to register on [My Tab], and then click [to the LEFT] or [to the RIGHT].
 - Select the desired function from those indicated in the respective tabs in [Control List].
 - Clicking [to the LEFT] places the selected function on the left side of [My Tab] and likewise clicking [to the RIGHT] places it on the right side of [My Tab].
 - At the left of the functions currently registered to [My Tab], the icons indicating the [LEFT side]/[RIGHT side] appear.



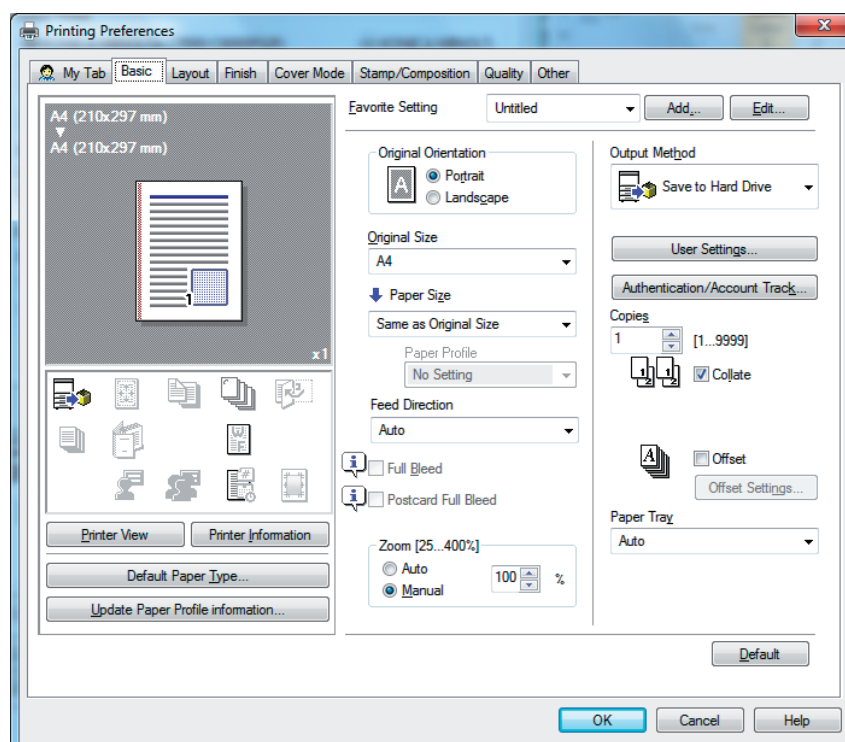
- 3 The following describes how to change the layout of the registered functions.
 - Select the function whose position you want to move and click [Up], [Down], [Left/Right] as needed.
 - To delete a function from [My Tab], select the function you want to delete, and then click [Delete].



- 4 Click [OK].

12.3.2 [Basic] tab

The Basic tab allows you to configure the basic printing functions such as paper size and type as well as output method.



Function Name	Option	Description
[Default Paper Type]	[Paper Type]	Plain paper
		Coated GL
		Coated GO
		Coated ML
		Coated MO
		Fine
		Color Specific
	[Paper Weight]	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 For C8000: 64-74g/m ² , 75-80g/m ² , 81-105g/m ² , 106-135g/m ² , 136-162g/m ² , 163-220g/m ² , 221-256g/m ² , 257-300g/m ² , 301-350g/m ² (In case the unit for paper weight is g/m ²)

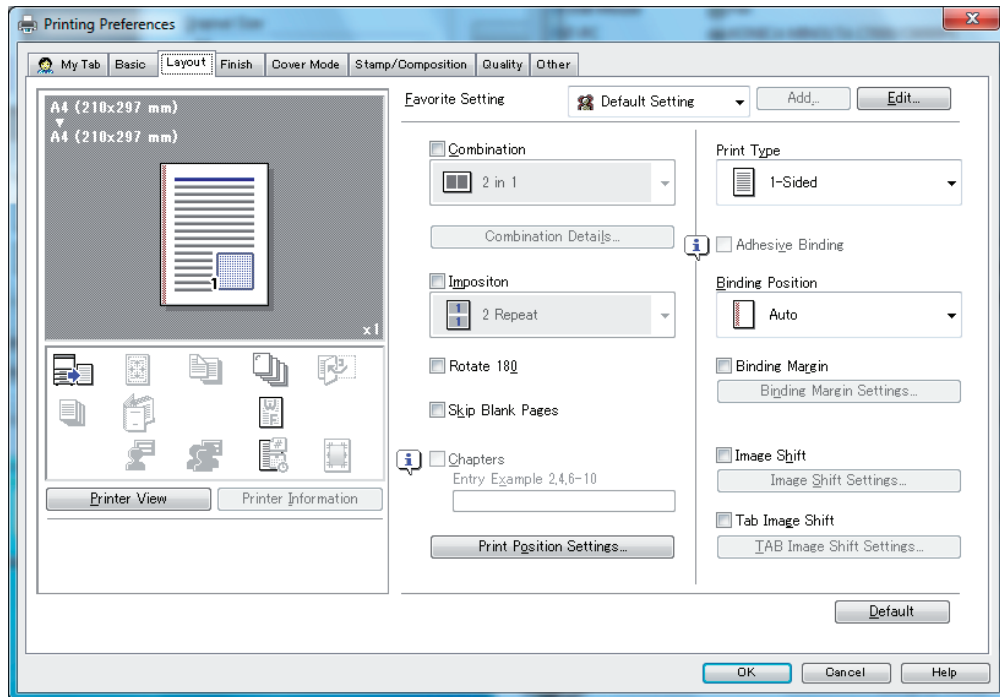
Function Name	Option	Description
	[Unit for Paper Weight]	[g/m ²], [Duodecimo], [Octavo], [Bond], [Cover], [Index] Set a unit of weight.
	[Paper Color]	White Select when using white-colored paper.
		Non-White Select when using non-white-colored paper.
	[Pre-Punched]	Off, On Select this check box to print on pre-punched paper.
[Update Paper Profile information]	Click [Acquire Device Information] to communicate with this machine and update paper profile information.	
[Original Orientation]	Portrait, Landscape	Select the orientation for the original.
[Original Size]	The paper sizes registered as the standard paper sizes and custom sizes Select the paper size of the original.	
	[Custom Size]	Register custom sizes.
[Paper Size]	The paper sizes registered as the standard paper sizes and custom sizes that can be used with the machine Specify the output paper size. If it is different from the original size and the zoom is set to [Auto], the output image will be enlarged or reduced to fit the size.	
	[Custom Size]	Register custom sizes.
[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.
[Feed Direction]	[Auto], [Long Edge], [Short Edge]	Set a direction to feed paper.
[Full Bleed]	Off, On	Prints in the original image without blank borders.
[Postcard Full Bleed]	Off, On	Select this check box when printing postcard with full bleed.
[Zoom]	25 to 400%	Select an enlarge or reduce ratio.
[Output Method]	[Print]	When [Print] is selected, the print job is printed without it being stored in a hard disk.
	[Spool]	When [Spool] is selected, the print job is stored in the hard disk in the main body temporarily, and then printed. It can prevent the intermittent printing that may be observed when print a job with a lot of pictures, etc.
	[Secure Print]	Store a document to be printed in [Hold Job] of the machine. When printing, entering the [password] is required from the control panel of the machine. Select this option when printing highly confidential documents. For details on secure print, refer to page 13-2.
	[Save to Hard Drive]	Save the document to be printed in the HDD of the machine. For details on Save to Hard Drive function, refer to page 13-6.
	[Save to Hard Drive & Print]	Saves the document to be printed in the HDD of the machine and prints it at the same time. For details on Save to Hard Drive function, refer to page 13-6.
[User Settings]		Specify password and destination of [Save to Hard Drive] for [Secure Print].
[Authentication/Account Track]		Click this button to specify the user name and password when [User Authentication] is enabled on this machine, or the account name and password when [Account Track] is enabled on this machine. For details, refer to page 13-11 or page 13-13.
[Copies]	1 - 9999	Specify the number of copies to print.

Function Name	Option	Description
[Collate]	Off, On	Select this check box to collate pages sequentially when printing multiple sets of copies.
[Offset]	Off, On	Select this check box to stagger each set when printing multiple sets of copies.
[Offset Settings]	[Offset by number of copies]	Stagger after each set of copies specified.
	[Offset by number of sheets]	Stagger after the number of pages specified.
[Paper Tray]	Auto, Tray 1 to Tray 5, Bypass Tray For C8000, Auto, Tray 1 - 9	Select a paper tray to be used. Selectable items vary depending on the option installation status.

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.
C8000 cannot print banner printing size.

12.3.3 [Layout] tab



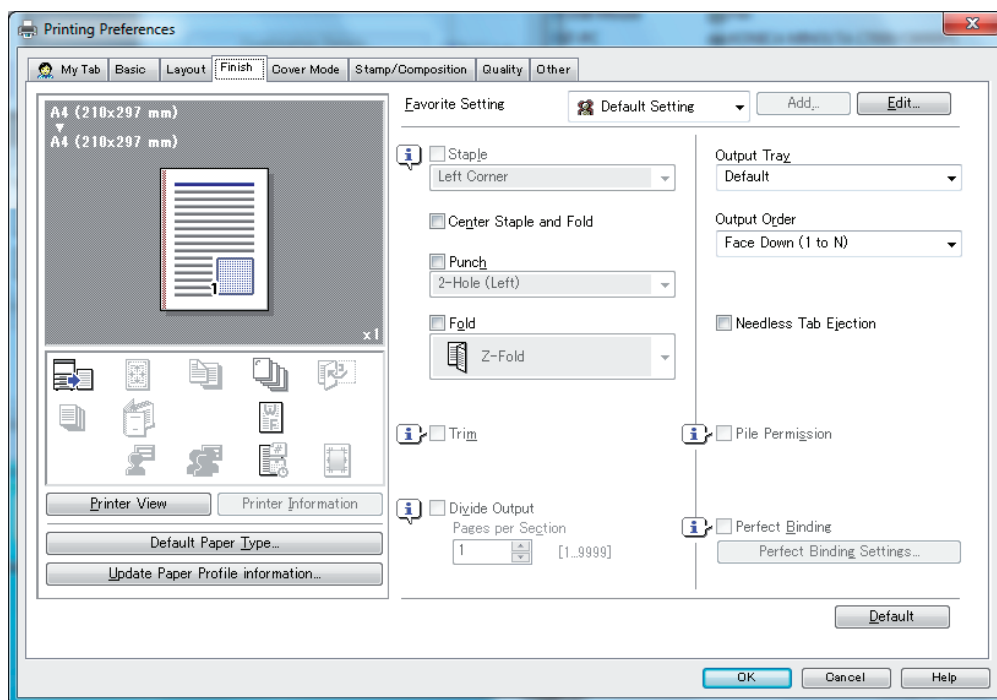
Function Name	Option	Description
[Combination]	[Off], [2 in 1], [4 in 1], [6 in 1], [9 in 1], [16 in 1]	Combine more than one pages onto one sheet of paper for printing.
[Combination Details]	[Combination]	Select the combination condition.
	[Layout Order]	Specify the layout order. It can be specified when N in 1 is specified for Combination.
	[Border]	Specify the presence and type of border lines. It can be specified when N in 1 is specified for Combination.
[Imposition]	[Off], [2 Repeat], [2 Repeat Reversal (U)], [2 Repeat Reversal (D)], [2 Repeat Reversal (L)], [2 Repeat Reversal (R)], [2 in 1], [4 Repeat]	Set this to perform an imposition printing.
[Rotate 180]	Off, On	Select this check box to rotate the document 180 to print.
[Skip Blank Pages]	Off, On	Select this check box when not printing blank pages.
[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].
[Print Position Setting]	[Top], [Center], [Bottom]	Specify the print position.
[Print Type]	[1-Sided], [2-Sided] [Booklet], [Booklet(Original Size x2)]	Select a print type.
[Adhesive Binding]	Off, On	Specify the [Adhesive binding]. Folding each printed paper into two and stacking them makes a page order of like a book. This can be set when [2-Sided] is selected in [Print Type].
[Binding Position]	[Auto], [Left Bind], [Right Bind], [Top Bind]	Specify the binding position.

Function Name	Option	Description
[Binding Margin]	Off, On	Select this check box to specify the binding margin. Click [Binding Margin Settings...] to specify the margin values.
[Binding Margin Settings...]	[Shift Mode]	Select how to process the image to prepare the page margin.
	[Front Side]/[Back Side]	Specify the binding margin values. For 2-sided printing, clearing the [Same value for front and back sides] check box allows you to specify different values for the front and back sides.
	[Unit]	Select a unit to be used for specifying the size.
[Image Shift]	Off, On	Select this check box to print by shifting the entire print image. Click [Image Shift Settings...] to specify the image shift values.
[Image Shift Settings...]	[Unit]	Select a unit to be used for specifying the size.
	[Same value for front and back sides]	Set same shift value for front and back sides.
	[Front Side]/[Back Side]	Specify the shift direction and values. For 2-sided printing, clearing the [Same value for front and back sides] check box allows you to specify different values for the front and back sides. Set [Right] and [Top] 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 [Top] to shift the output image perpendicularly. (Positive value: shift to the top, negative value: shift to the bottom)
	[Imposition]	Page spacing of front and back sides can be set for [Imposition].
	[Booklet] [Adhesive Binding]	Page spacing of front and back sides can be set for [Booklet]/[Adhesive Binding].
[Tab Image Shift]	Off, On	Select this check box to print by shifting the entire print image on tab paper. Use this combining with Per Page Setting. It can be used when text original size is A4 or Letter. Click [TAB Image Shift Settings...] to specify the image shift values.
[TAB Image Shift Settings...]	[Shift Settings]	Specify the shift value of image to be printed on tab paper.

Reference

- The positions of binding margins vary according to the [Binding Position] setting.

12.3.4 [Finishing] tab



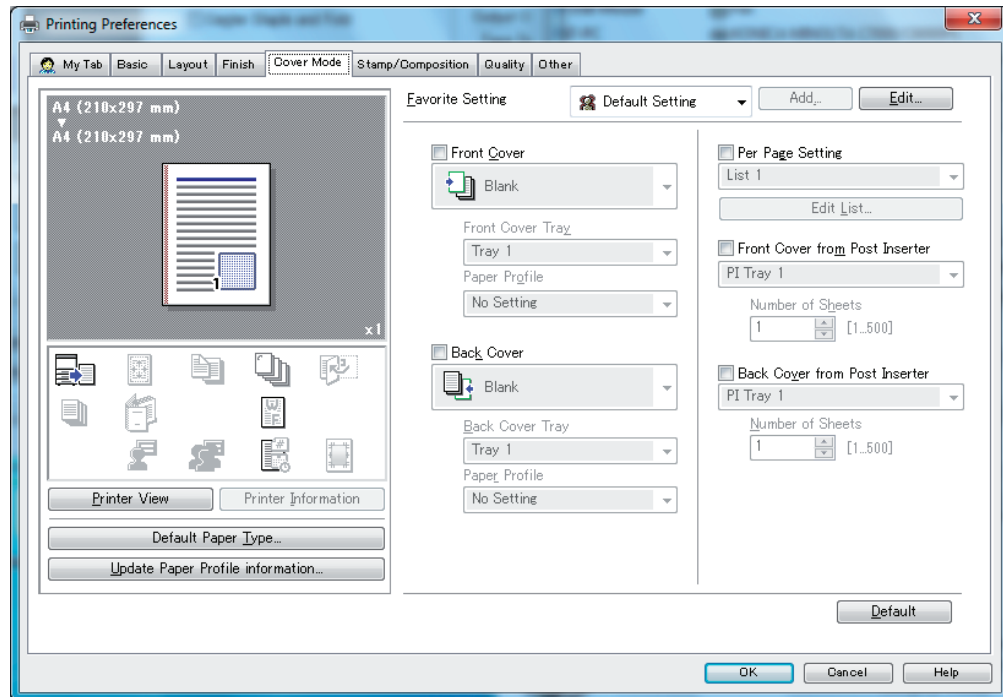
Function Name	Option	Description
[Staple]	[Off], [Left Corner], [Right Corner], [2 Position (Left)], [2 Position (Right)], [2 Position (Top)]	Select this check box to specify stapling. From the drop-down list, specify the number of staples and the stapling position. When [Binding Position] is in [Top Bind], [2 Position (Top)] can be specified.
[Center Staple & Fold]	Off, On	Center Staple & Fold can be specified.
[Punch]	[Off] [2-Hole (Left)], [2-Hole (Right)], [2-Hole (Top)] [3-Hole (Left)], [3-Hole (Right)], [3-Hole (Top)] [4-Hole (Left)], [4-Hole (Right)], [4-Hole (Top)] [Multi Punch (Left)], [Multi Punch (Right)], [Multi Punch (Top)]	Select this check box to specify hole punching. From the drop-down list, specify the number of punches and the punching position. When [Binding Position] is in [Top Bind], [2-Hole (Top)], [3-Hole (Top)], [4-Hole (Top)] can be specified.
[Fold]	[Off] [Z-Fold] [Half Fold In], [Half Fold Out] [Letter Fold In], [Letter Fold Out], [Zigzag Fold In], [Zigzag Fold Out] [Double Parallel Fold In], [Double Parallel Fold Out] [Gate Fold In], [Gate Fold Out] [Multi-Letter Fold In], [Multi-Letter Fold Out] [Multi-Half Fold In], [Multi-Half Fold Out]	Set the fold function. From the drop-down list, specify the folding condition.
[Trim]	Off, On	[Trim] can be specified when [Center Staple & Fold] or [Multi-Half Fold] is selected.
[Divide Output]	Off, On	Set this to output a job with it divided.
	[Pages per Section]	Select a unit when dividing a job.

Function Name	Option		Description
[Output Tray]	[Default] [Stacker Auto] [Stacker 1 Main Tray] [Stacker 1 Sub Tray] [Stacker 2 Main Tray] [Stacker 2 Sub Tray] [Multi Folder Main Tray] [Multi Folder Sub Tray] [Saddle-Stitcher Sub Tray] [Stapler Main Tray] [Stapler Sub Tray] [Perfect Binder Sub Tray]		Specify the tray to output the printed pages. Selectable items vary depending on the option installation status.
[Output Order]	[Face Down (1 to N)] [Face Down (N to 1)] [Face Up (1 to N)] [Face Up (N to 1)]		Select [Face Up] to output printed paper with its face up. If you want to print an original in a reverse order, select [N to 1].
[Needless Tab Ejection]	Off, On		For job using tab paper, specify whether to eject needless tab paper after printing is completed.
[Pile Permission]	Off, On		Set this to allow to pile up when there is a printed document on a stacker.
[Perfect Binding]	Off, On		Set this when specifying perfect binding.
[Perfect Binding Settings...]	[Cover Print Mode]	[Cover Blank], [Cover Print 1 in 1], [Cover Print 2 in 1], [Cover Print 3 in 1]	Set this when using a perfect binder function.
	[Cover Tray]	Tray 1-5, PI Tray 1, PI Tray 2, PB Cover Tray, Bypass Tray For C8000, Tray 1-9, PI Tray 1-2, PB Cover 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.
	[Glossy Mode]	Off, On	Set this when printing a cover in glossy mode for a perfect binder. C8000 does not support [Glossy Mode].
	[Cover Duplex]	Off, On	Set this when setting a duplex cover for a perfect binder.
	[Cover Trimming]	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.

Reference

- The [Staple] function is available only when an optional stapler is installed.
- The [Punch] function is available only when an optional Punch Unit, Multi Folder, or GP-501 is installed.
- The [Fold] function is available when the optional Multi Folder, Stapler, Saddle Kit are installed.

12.3.5 [Cover Mode] tab

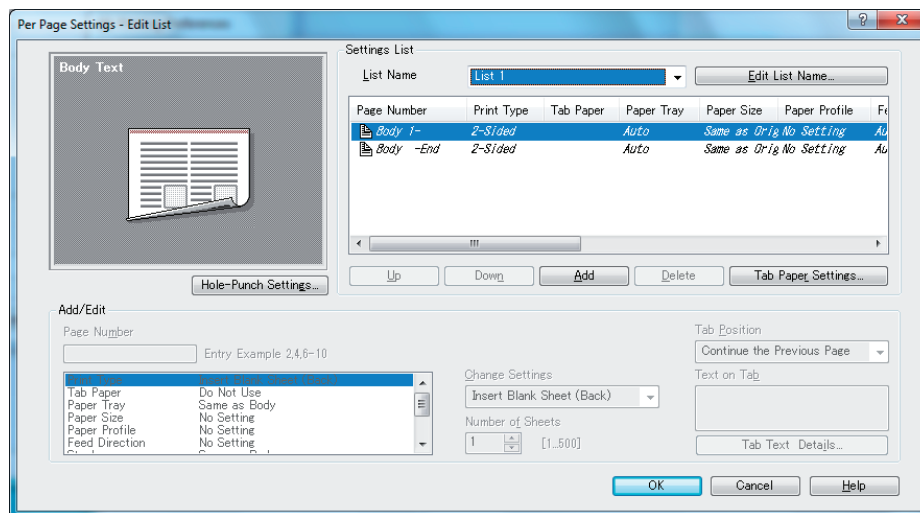


Function Name	Option	Description
[Front Cover]	Off, On, [Blank]/[Print]/[Print (Glossy Mode)]	Select this check box to attach a front cover page. C8000 does not support [Print (Glossy Mode)].
[Front Cover Tray]	Tray 1 - 5, Manual Feed For C8000, Tray 1 - 9	Select the paper tray for the front cover sheet. Selectable items vary depending on the option installation status.
[Paper Profile]		Paper Profile registered in the machine can be specified.
[Back Cover]	Off, On, [Blank]/[Print]/[Print (Glossy Mode)]	Select this check box to attach a back cover page. C8000 does not support [Print (Glossy Mode)].
[Back Cover Tray]	Tray 1 - 5, Manual Feed For C8000, Tray 1 - 9	Select the paper tray for the back cover sheet. Selectable items vary depending on the option installation status.
[Paper Profile]		Paper Profile registered in the machine can be specified.
[Per Page Setting]	Off, On	Select this check box to insert paper between pages and switch the paper and tray for each page. [Edit List...] allows you to create a list specifying conditions on a page basis.
[Edit List...]	[List Name]	Select the name of the list to be edited. The settings are listed. For details, refer to page 12-18.
[Front Cover from Post Interter]	Off, PI Tray 1, PI Tray 2	Print a document with a front cover.
[Number of Sheets]	1 - 500	Specify the number of sheets of the front cover.
[Back Cover from Post Interter]	Off/On, PI Tray 1, PI Tray 2	Print a document with a back cover.
[Number of Sheets]	1 - 500	Specify the number of sheets of the back cover.

Reference

- The [Front Cover from Post Inserter]/[Back Cover from Post Inserter] function is available only when an optional **Multi Folder** or **Cover Sheet Feeder** is installed.

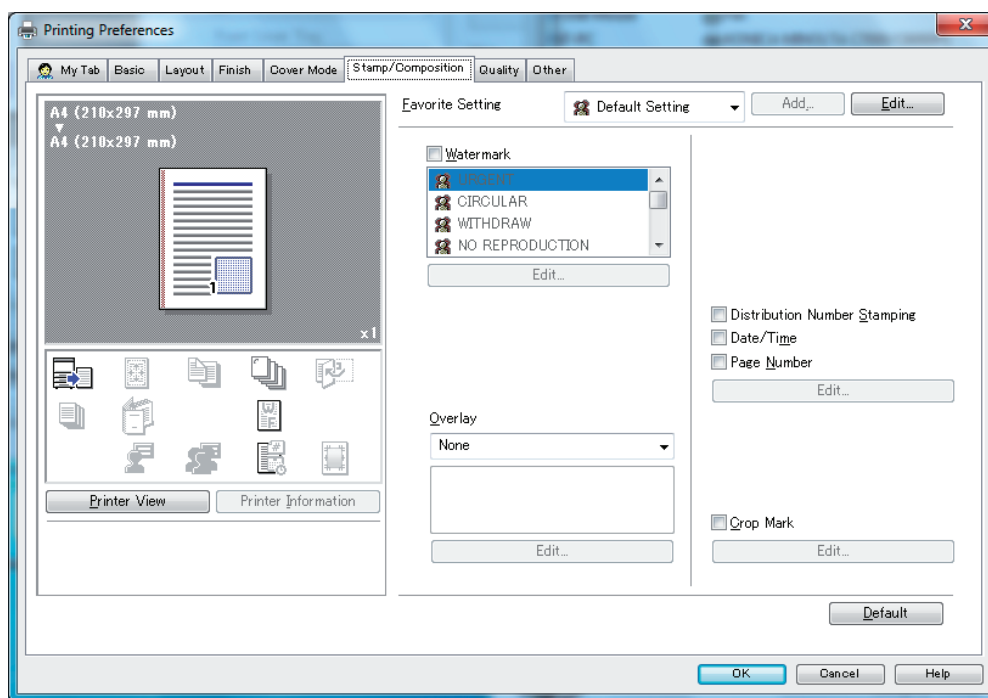
Per Page Setting (Edit List)



Function Name	Description
[List Name]	Select the name of the list to be edited. The settings are listed.
[Edit List Name...]	Rename a list.
[Up]/[Down]	Click the button to move the selected condition row up or down. Move the rows so that the page numbers are arranged in ascending order.
[Add]	Click this button to add a condition. Specify conditions in [Add/Edit].
[Delete]	Click this button to delete the selected condition row.
[Page Number]	Specify the page numbers using a numerical value. To specify multiple pages, separate each page number with a comma or specify the range using a hyphen.
[Print Type]	Specify the print type from the [Change Settings] drop-down list.
[Tab Paper]	Specify the tab paper to be used from the [Change Settings] drop-down list.
[Paper Tray]	Specify the paper tray to be used from the [Change Settings] drop-down list.
[Paper Size]	Specify the paper size from the [Change Settings] drop-down list.
[Paper Profile]	Specify the paper profile from the [Change Settings] drop-down list.
[Feed Direction]	Specify the feed direction from the [Change Settings] drop-down list.
[Staple]	From the [Change Settings] drop-down list, specify the number of staples and the stapling position.
[Finish Stapling]	To finish stapling at the end of the page specified in [Page Number], specify [On] in the [Change Settings] drop-down list.
[Hole-Punch]	Specify the punch function from the [Change Settings] drop-down list.
[Glossy Mode]	Specify the glossy function from the [Change Settings] drop-down list. C8000 does not support [Glossy Mode].
[Change Settings]	Select setting for each items.
[Number of Sheets]	Specify the number of sheets.
[Tab Position]	Specify a tab position of tab paper.
[Text on Tab]	Specify text to be printed on tab paper.

Function Name	Description
[Tab Text Details]	<p>Tab text details can be specified.</p> <p>[Orientation]: Select the orientation of tab text.</p> <p>[Vertical Position]: Select the vertical position of tab text.</p> <p>[Horizontal Position]: Select the horizontal position of tab text.</p> <p>[Font Name]: Select the font of tab text.</p> <p>[Style]: Select the font style of tab text.</p> <p>[Text Color]: Select the color of tab text.</p> <p>[Size]: Specify the size of tab text.</p>

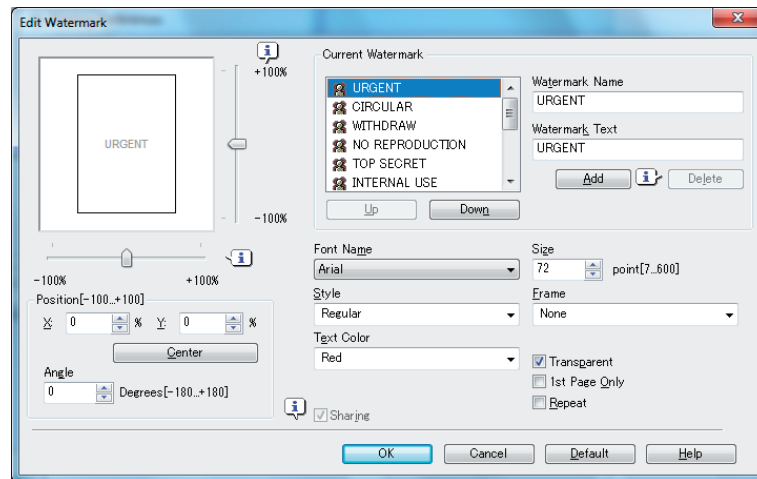
12.3.6 [Stamp/Composition] tab



Function Name	Option	Description
[Watermark]	Off, On	Select this check box to print the document with a watermark (character stamp) overlapped. Clicking [Edit...] allows you to create, change, or delete watermarks.
[Edit...]		For details, refer to page 12-20.
[Overlay]	[None]	The overlay function is not used.
	[Create Overlay File]	Printing the original with this setting creates the overlay data. Created data is saved in the computer.
	[Create Shared Overlay File]	Create overlay file in the shared folder specified at [Use Shared Folder (Overlay Printing)] in [Settings] tab.
	[Print in Overlay]	Overlay data and original created in [Create Overlay File] are printed in overlay. Selecting this setting displays the overlay data stored in the computer in the list below, allowing you to select it. Clicking [Edit...] allows you to specify the overlay printing conditions.
[Edit...]	—	For details, refer to page 12-21.
[Distribution Number Stamping]	Off, On	Print after specifying numbering. Click [Edit...] to specify items and pages to be printed and positions.
[Date/Time]	Off, On	Select this check box to print the date and time. Click [Edit...] to specify items and pages to be printed and positions.

Function Name	Option	Description
[Page Number]	Off, On	Select this check box to print page number. Click [Edit...] to specify items and pages to be printed and positions.
[Edit...]	Off, On	For details, refer to page 12-22.
[Crop Mark]	Off, On	Specify crop mark.
[Edit...]	–	For details, refer to page 12-23.

Editing watermark

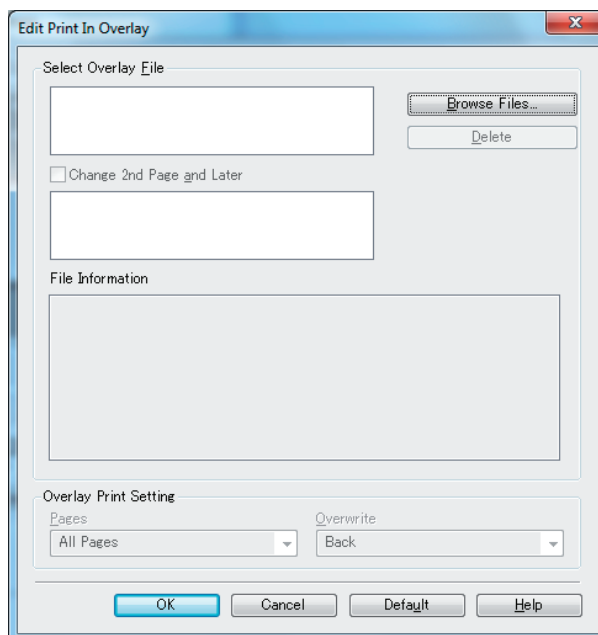


Function Name	Description
Watermark List	The following watermarks are available. [URGENT] [CIRCULAR] [WITHDRAW] [NO REPRODUCTION] [TOP SECRET] [INTERNAL USE] [IMPORT] [Proof] [Confidential] [DRAFT] [COPY]
[Watermark Name]	Enter the name of the watermark. You can enter up to 30 characters.
[Watermark Text]	Enter the text to be printed as the watermark. You can enter up to 30 characters.
[Add]	Click this button to create a new watermark.
[Delete]	Click this button to delete the selected watermark.
[Up] / [Down]	Click the button to change the order of items displays in the list. This allows you to move the frequently used items upward.
[Position]	Select the vertical and lateral positions. You can specify the positions using the scroll bars provided on the right of and under the image.
[Center]	Click this button to return the watermark back to the center position.
[Angle]	Specify the watermark print angle.
[Font Name]	Select the font.
[Size]	Select the size.
[Style]	Select the style.
[Frame]	Select the frame style.

Function Name	Description
[Text Color]	Specify text color.
[Transparent]	Select this check box to print the watermark in a transparent image.
[1st Page Only]	Select this check box to print the watermark only on the first page.
[Repeat]	Select this check box to print the watermark on one page repeatedly.
[Sharing]	Select this check box to register the watermark for sharing it with other users or clear this check box to register it for private use.

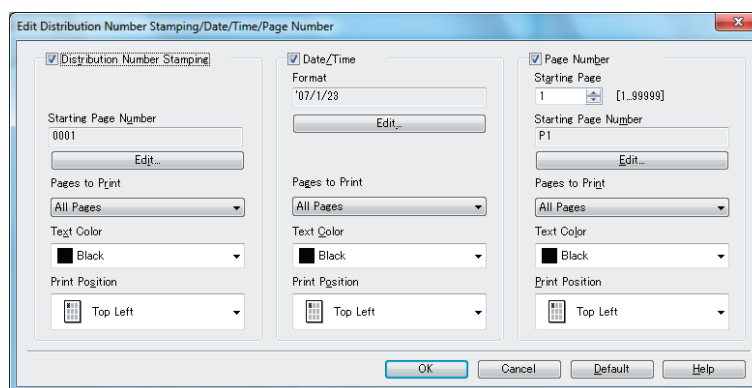
Editing overlay

Select [Print in Overlay] and click [Edit] to edit overlay printing.



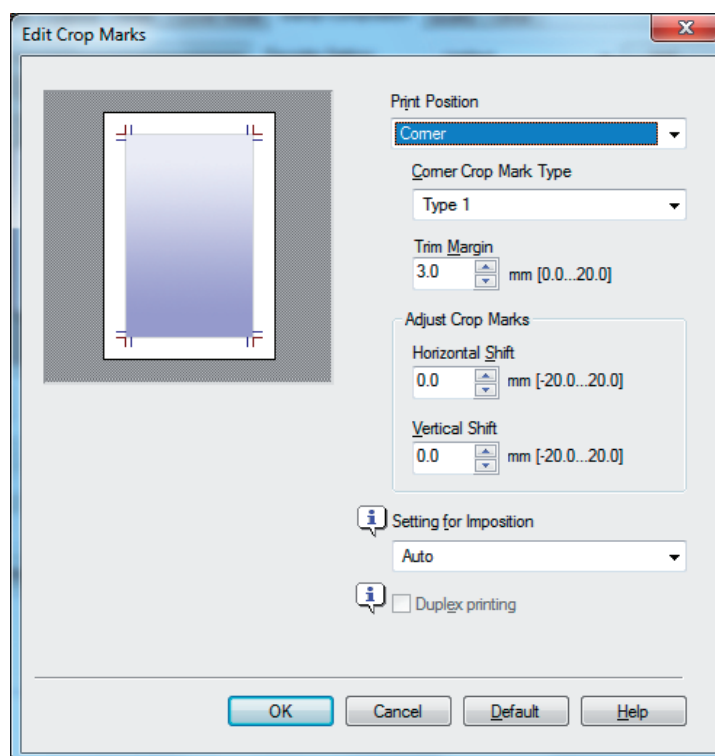
Function Name	Description
[Browse Files...]	Click this button to load the overlay file.
[Delete]	Click this button to delete the selected overlay.
[Change 2nd Page and Later]	Select this check box to change the overlay files of the 2nd and subsequent pages.
[File Information]	Displays the information of the selected overlay.
[Pages]	Specify the pages to be printed.
[Overwrite]	Specify the sequence for printing the overlay on top of the original.

Edit Stamp



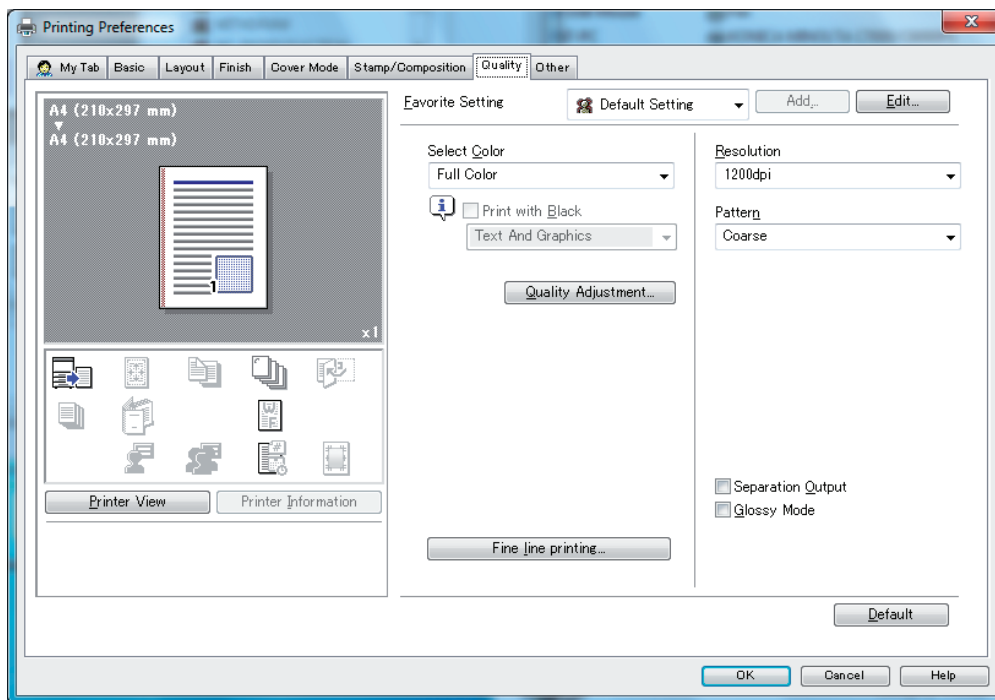
Function Name	Description
[Distribution Number Stamping]-[Starting Page Number]	Specify starting page number of number stamping. Select [Edit...] to specify style, size and starting page number.
[Distribution Number Stamping]-[Pages to Print]	Select [All Pages] or [1st Page Only] to specify pages to print number stamping.
[Distribution Number Stamping]-[Text Color]	Specify text color.
[Distribution Number Stamping]-[Print Position]	Specify the print position.
[Date/Time]-[Format]	Displays the format of the date and time to be printed. Click [Edit...] to specify the display type and presence or absence of the time display.
[Date/Time]-[Pages to Print]	Specify the pages to print the date and time.
[Date/Time]-[Text Color]	Specify text color.
[Date/Time]-[Print Position]	Specify the print position.
[Page Number]-[Starting Page]	Specify the page to start printing the page number.
[Page Number]-[Starting Page Number]	Specify the start number for printing the page number. Select [Edit...] to specify display type, font and size.
[Page Number]-[Pages to Print]	Select [All Pages], [Not Front Cover] or [Not Front-Back Cover] to specify pages to print page number.
[Page Number]-[Text Color]	Specify text color.
[Page Number]-[Print Position]	Specify the print position.

Edit Crop Marks



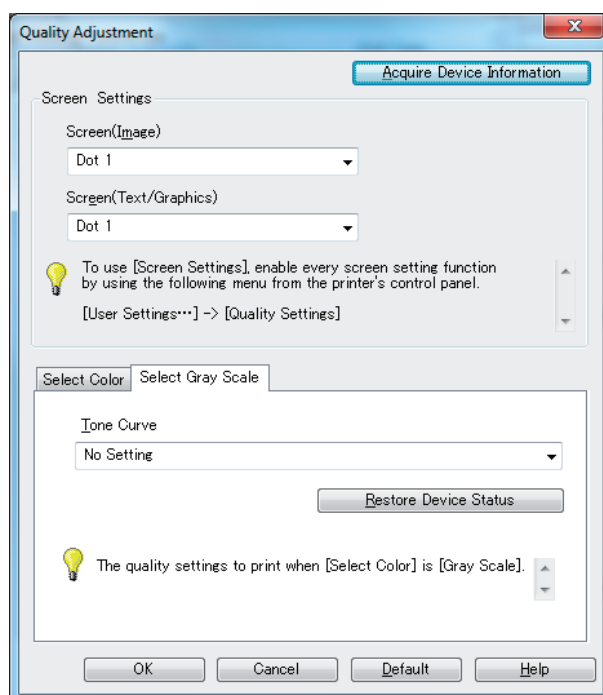
Function Name	Description
[Print Position]	Specify print position of crop marks.
[Corner Crop Mark Type]	Select corner crop mark type.
[Trim Margin]	Specify trim margin when [Corner] or [Corner/Center] is selected with crop mark position.
[Adjust Crop Marks]	Specify crop mark offset with [Horizontal Shift] and [Vertical Shift].
[Setting for Imposition]	Select crop mark print setting, when [Imposition], [Booklet] or [Adhesive Binding] is specified, from [Auto], [Per Page] or [Per Sheet].
[Duplex printing]	For 2-sided printing, specify when printing crop marks on back side also.

12.3.7 [Quality] tab



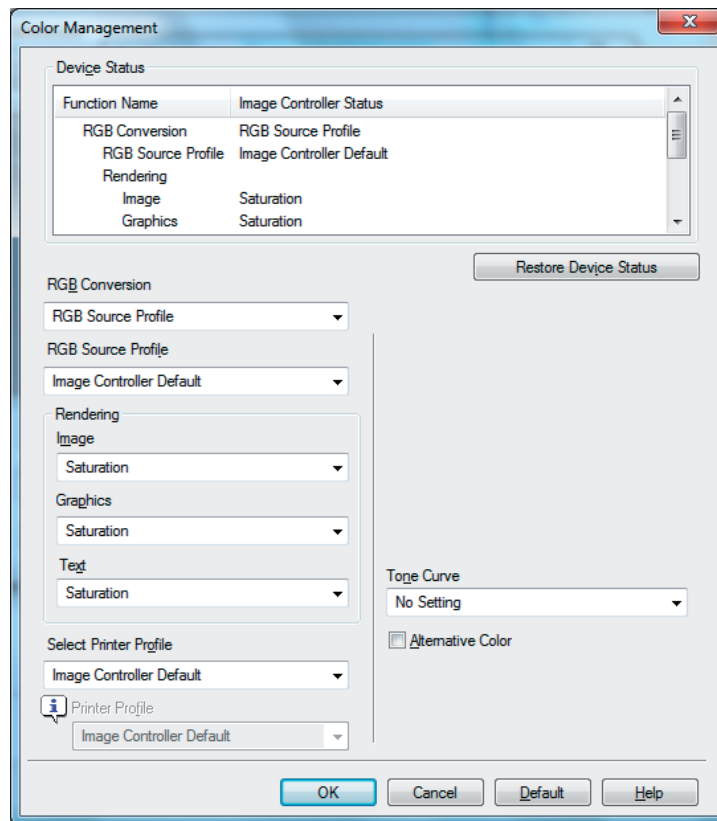
Function Name	Option	Description
[Select Color]	[Full Color], [Gray Scale]	Specify whether to print with color or gray scale. For the output of the black, the rich black (CMYK mix) is used when you select [Full Color] and the pure black (K 100%) is used when you select [Gray Scale].
[Print with Black]	Off, On [Text only], [Text And Graphics]	It protects the tinted characters, lines and figures from being printed lighter according to the selected conditions. This can be specified when [Gray Scale] is selected in [Select Color].
[Quality Adjust-ment...]	—	Click this button to adjust the image quality. For details, refer to page 12-25.
[Fine line printing]	[Smoothing] [Thinning] [Emphasis] [Auto Trapping] [Fine line area]	Select fine line printing of text, graphics and images. <ul style="list-style-type: none"> • [Smoothing]: Prints curves smoothly. • [Thinning]: Prints with thinning thick lines. • [Emphasis]: Prints images with outlines emphasized. • [Auto Trapping]: Prevents borders of texts and objects with different colors from misalignment. • [Fine line area]: Specify area for fine line printing.
[Resolution]	[600dpi], [1200dpi]	Select a resolution for printing.
[Pattern]	[Fine], [Coarse]	Specify fineness of the graphic patterns.
[Separation Out-put]	Off, On	Specify for separation output.
[Glossy Mode]	Off, On	Select this check box to print using a gloss finish. It can be specified when Print Type is [1-Sided]. C8000 does not support [Glossy Mode].

Quality Adjustment



Function Name	Option	Description
[Acquire Device Information]		Load the [Image Quality Setting] information registered in the machine.
[Screen Settings]	[Screen(Image)], [Screen(Text/Graphics)]	Select from [Dot 1], [Dot 2], [Line 1], [Line 2] or [Stochastic] for screen settings.
[Select Color]- [Color Configuration]	[No Setting], [Image Controller Default], [Manual Settings]	Select Color Configuration when [Full Color] is selected in [Select Color].
[Select Color]- [Details...]		Click this button to specify color conversion details when [Manual Settings] is selected in [Color Configuration]. For details, refer to page 12-26.
[Select Gray Scale]-[Tone Curve]	[No Setting] or tone curve setting acquired from Image Controller	You can select the Tone Curve when you select [Gray Scale] in [Select Color].
[Select Gray Scale]-[Restore Device Status]		Restore the tone curve setting acquired from the printer to [Tone Curve].

Color Management



Function Name	Option	Description
[Restore Device Status]		Click this button to restore [RGB Conversion] and [Tone Curve] etc. to displayed settings on [Device Status].
[RGB Conversion]	[Off], [RGB Source Profile], [RGB-CMYK Device Link Profile]	Select RGB conversion setting from the list. When [Off] is selected, RGB conversion is not specified. When using an embedding profile, select [Off].
[RGB Source Profile]	[Image Controller Default] or RGB source profile acquired from Image Controller	Specify RGB source profile.
[Rendering]	[Image], [Graphics], [Text]	When [RGB Source Profile] is selected in [RGB Conversion], select either [Perceptual] or [Saturation] as rendering processing corresponding to each of [Image], [Graphics], [Text].
[Select Printer Profile]	[Image Controller Default], [Printer Profile], [Paper Type Link]	Specify printer profile selection method.
[Printer Profile]	[Image Controller Default] or printer profile acquired from Image Controller	Specify printer profile when [Printer Profile] is selected in [Select Printer Profile].
Tone Curve	[No Setting] or tone curve setting acquired from Image Controller	Select when specifying tone curve.
Alternative Color	On, Off	Convert color to the other color based on the setting defined in the image controller.

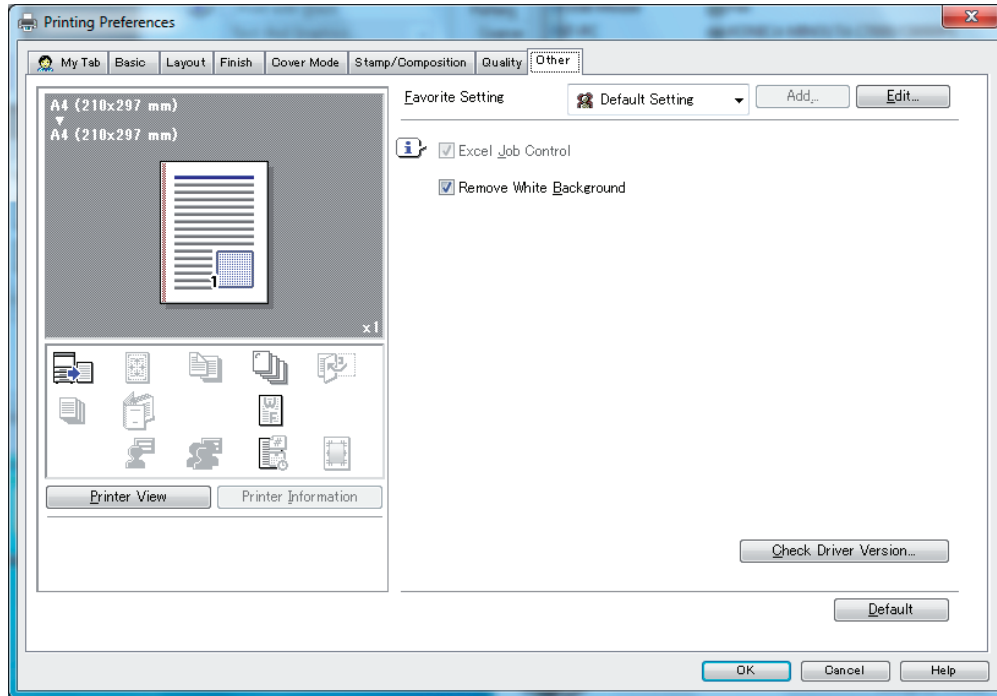
Reference

- [RGB Source Profile], [Rendering], [Select Printer Profile] can be specified when [RGB Source Profile] is selected in [RGB Conversion].

- [RGB-CMYK Device Link Profile] can be specified when [RGB-CMYK Device Link Profile] is selected in [RGB Conversion].

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

12.3.8 [Other] tab



Function Name	Option	Description
[Excel Job Control]	Off, On	When multiple Microsoft Excel sheets with different page settings are printed at one time, the sheets may be separated into single-sheet jobs depending on the data contained. Select this check box to minimize such job separation.
[Remove White Background]	Off, On	When an overlay file is printed on top of Microsoft PowerPoint data, white areas are removed so that the white background of the PowerPoint data does not hide the overlay file. Clear this check box to print the original data as is without removing the background.
[Check Driver Version]	—	Click this button to display the printer driver version information.

Reference

- The [Excel Job Control] and [Remove White Background] settings are not available in Windows Vista x64, Windows 7 x64, Windows Server 2008 x64, Windows Server 2008 R2.
- You can change the [Excel Job Control] setting only when the printer driver setting dialog is displayed from the [Printers] ([Devices and Printers] in Windows 7/Server 2008 R2) window.

13

Function Details

13 Function Details

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

Note

- The printer driver screens for bizhub PRESS C7000/C7000P/C6000 and C70hc are used here for explanations.

13.1 Secure Print

The Secure Print function is useful for printing confidential document because it saves print job to Hard Drive of the machine and prints by entering password from the control panel.

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 10-23.

13.1.1 Setting the printer driver (PS Plug-in Driver)

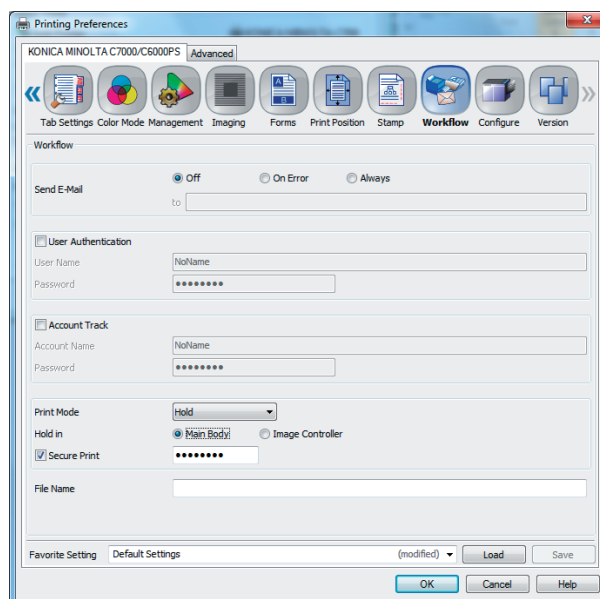
Perform printing with the following settings specified.

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

How to print

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

At this point, [Print Mode] is set at [Hold] and [Hold in] is set at [Main Body] automatically.



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

- 3 Input [Password] and input it again in the [Again] field.
→ The default password is "password".

- Enter the password with 1 to 8 alphanumeric characters.
- 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.

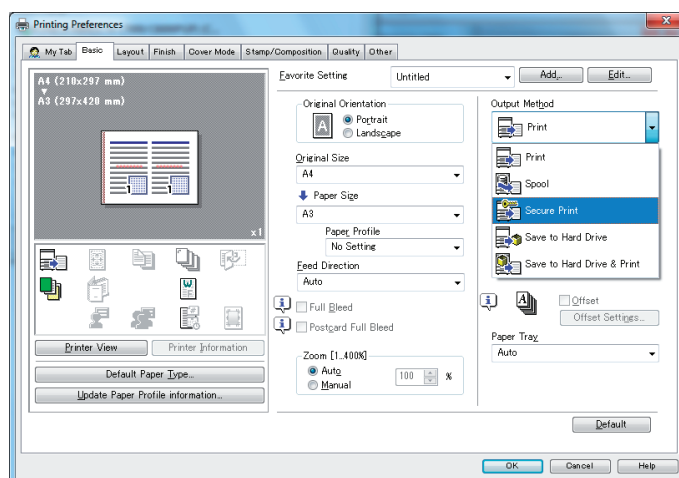
13.1.2 Setting the printer driver (XPS driver)

Perform printing with the following settings specified.

- Select [Secure Print] at [Output Method] in the [Basic] tab.

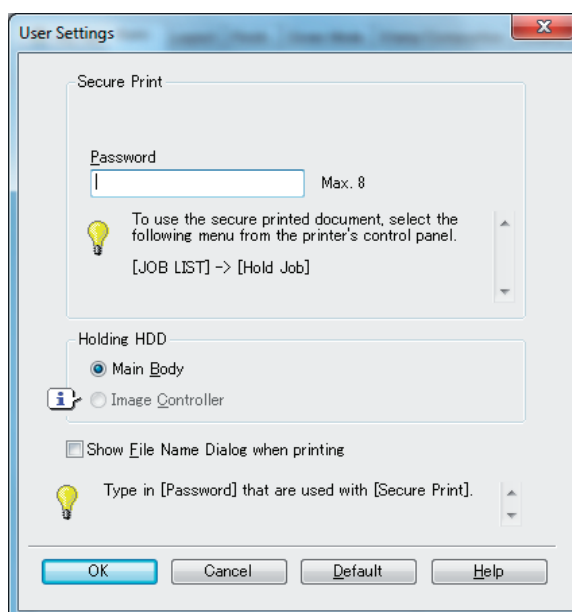
How to print

- 1 Click to display the [Basic] tab.
- 2 Select [Secure Print] in [Output Method].



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

- 3 Enter the [Password], and then click [OK].



- 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.

13.1.3 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 .



Reference

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

Outputting a job from [Hold Job]

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

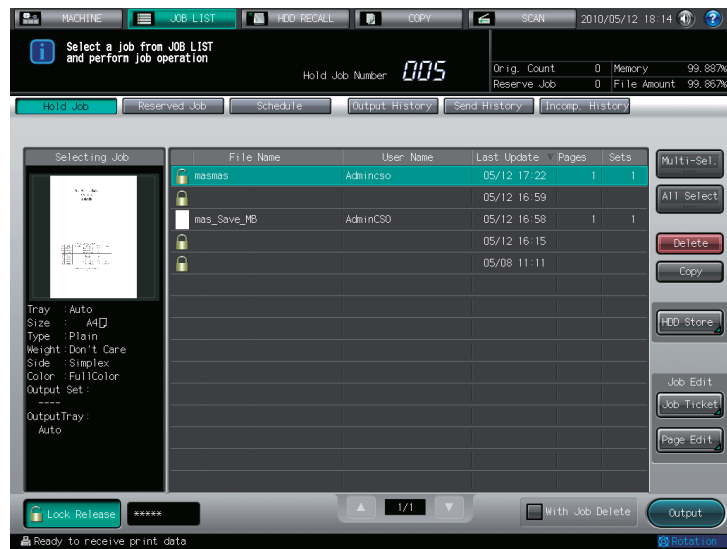


- 3 Press [Lock Release].
- 4 Enter a password in [Secure Print], and then press [OK].



Secure Print is released.

5 Click [Output].



The secured document is outputted.



Reference

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

13.2 Storing in the hard disk

The Save in Hard Disk function is a function to store a print job in a hard disk of the main body or the image controller. A hold job for the main body and image controller can be specified and printed from the control panel and the job management application "Job Centro", respectively. Please use the function for document distribution.

The Save in Hard Disk function can be specified using the printer driver when printing.



Reference

For details on the Save in Hard Disk function of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

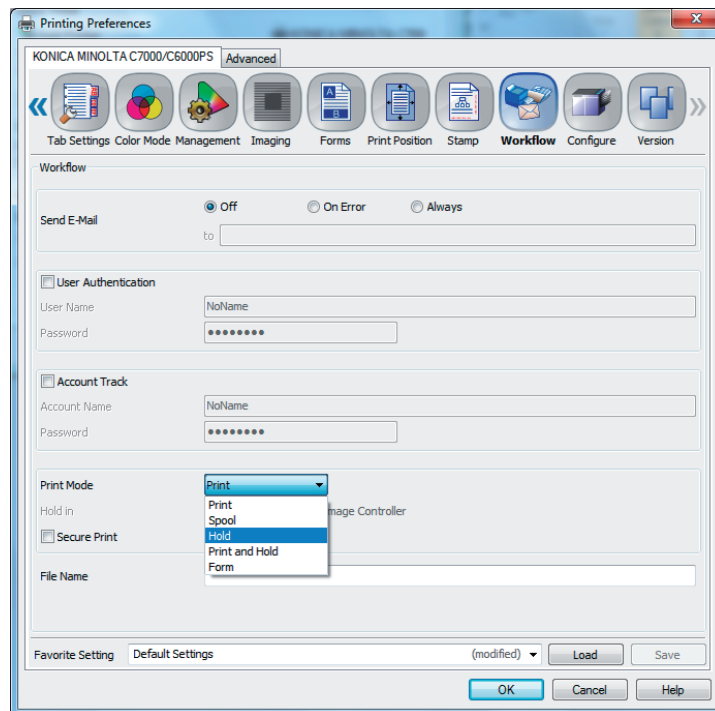
13.2.1 Setting the printer driver (PS Plus-in driver/PPD driver/XPS driver)

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].

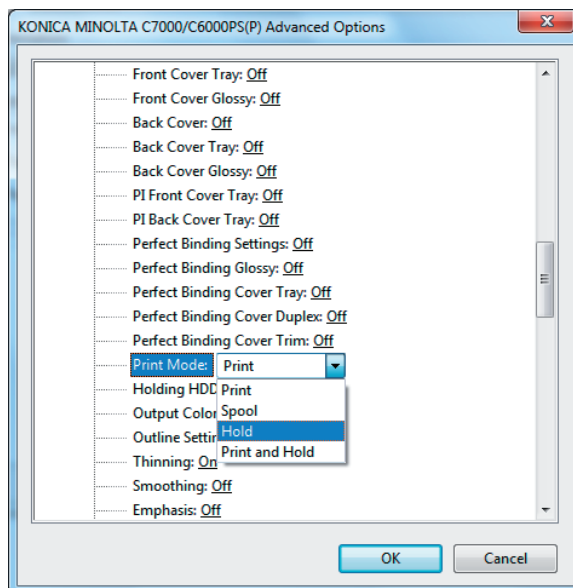


→ To save a job in a hard disk and print it at the same time, select [Print and Hold].

- 3 Select [Main Body] or [Image Controller] in [Hold in].
- 4 Input a file name in [File Name] as necessary.
- 5 Click [OK] to start printing.

In the PPD driver (Windows)

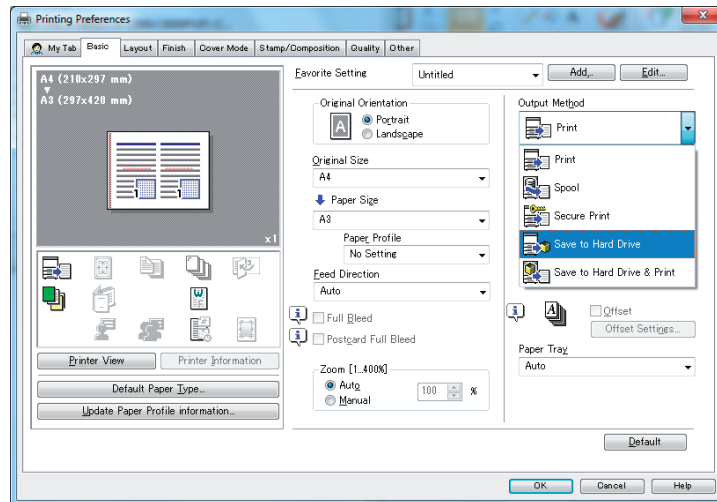
- 1 Display the [Advanced Options] window.
- 2 Select [Hold] or [Print and Hold] in [Print Mode].



- 3 Select [Main Body] or [Image Controller] in [Holding HDD].
 - When [Image Controller] is selected, software memory switch No.28 must be turned On (1). For details on the software memory switch, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
- 4 Click [OK].
- 5 Click [OK] to start printing.

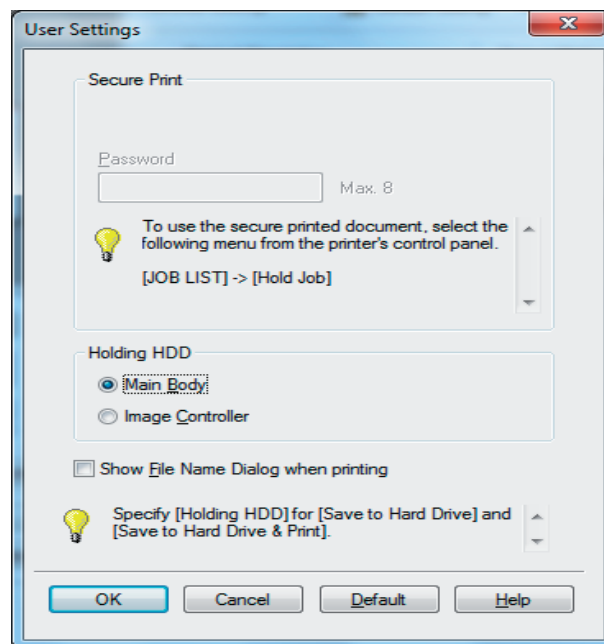
In the XPS driver (Windows)

- 1 Click to display the [Basic] tab.
- 2 Select [Save to Hard Drive] or [Save to Hard Drive & Print] in [Output Method].



- It uses the screens from Windows 7 in the description.
- To save a job in a hard disk and print it at the same time, select [Save to Hard Drive & Print].

- 3 Select [Main Body] in [Holding HDD].



- Note
With the XPS driver, a job can be saved only on the HDD of the Main Body.

- 4 Select [Show File Name Dialog when printing] as necessary, and click [OK].
- 5 Click [OK] to start printing.

13.2.2 Calling a job

If [Main Body] is selected in [Holding HDD], 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 13-9)



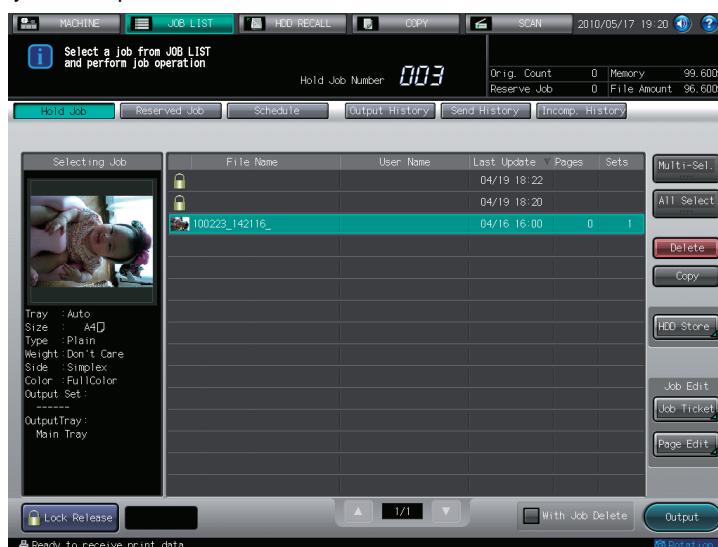
Reference

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

If [Image Controller] is selected in [Holding HDD], the stored job is managed and outputted by the job management application "Job Centro" that is came with your controller. Refer to "IC-601 User's Guide Job Centro" for more detailed information on "Job Centro".

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, such as HDD Store, refer to "User's Guide (Copier)".

13.3 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 three printer drivers support this feature.

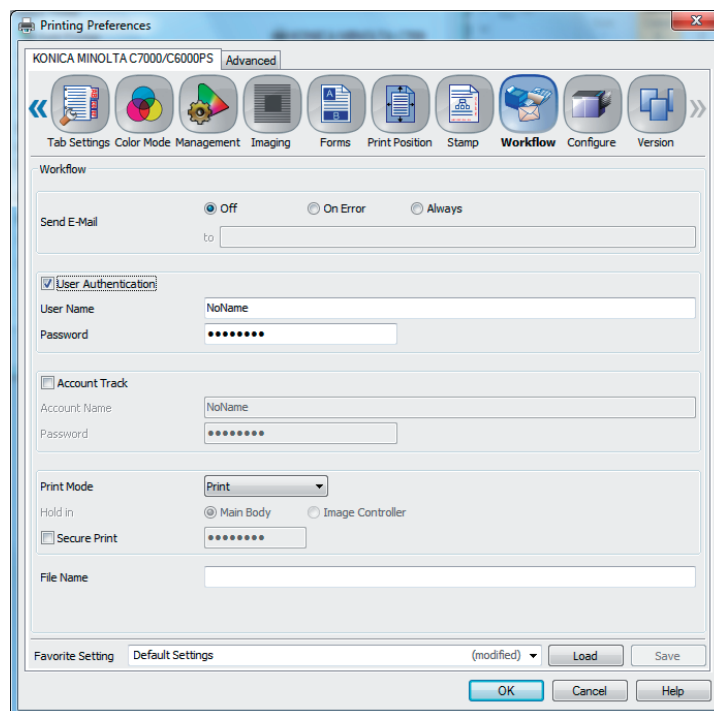
- PS Plug-in driver for Windows
- PS Plug-in driver for Mac OS X
- XPS driver for Windows

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 this 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 1 to 64 characters.

Reference

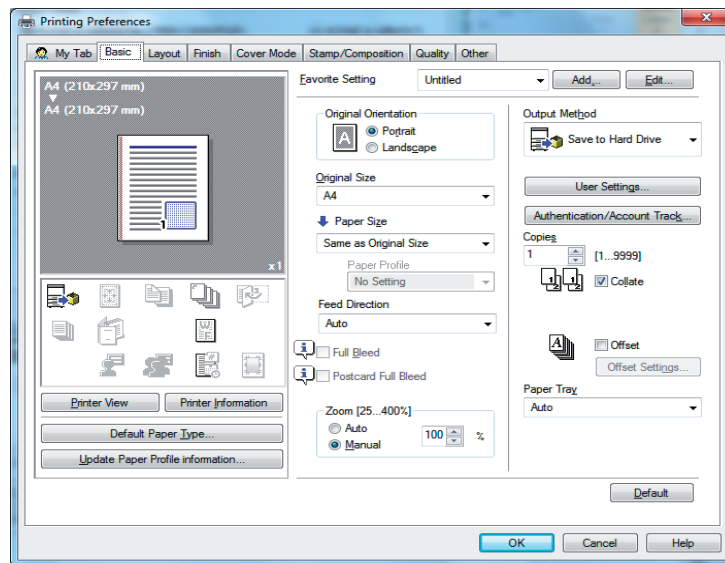
You can complete the setting without specifying Password.

- 4 Click [OK] to start printing.

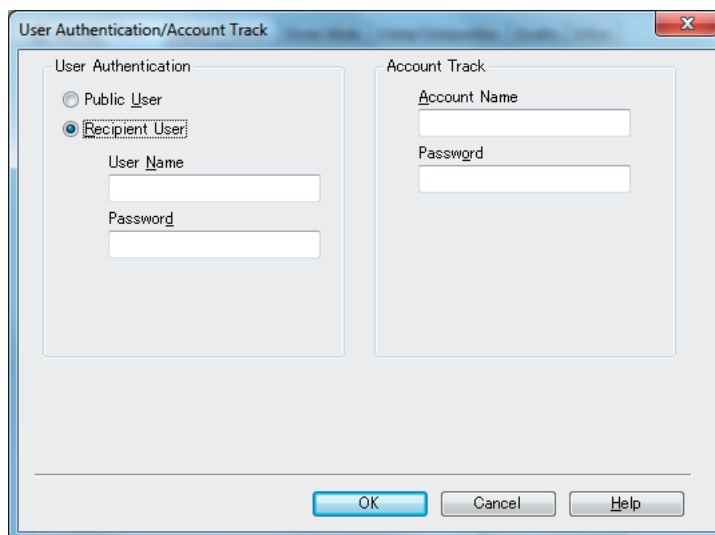
If the entered user name is a name enabled on the machine, the job is printed and counted as a job for the specified user.

Setting a user authentication (XPS driver)

- 1 Display [Basic] tab, and click [Authentication/Account Track].



- 2 Select [Recipient User] in [User Authentication].



Note

To enter User Authentication, you need to enable the Device Option in the [Configure] tab manually. For details, refer to page 12-3.

- 3 Enter [User Name] and [Password] that are registered with the machine.
 → The user name and password must be specified with 1 to 64 characters.
 Reference
 You can complete the setting without specifying Password.

- 4 Click [OK].

- 5 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.

13.4 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 three printer drivers support this feature.

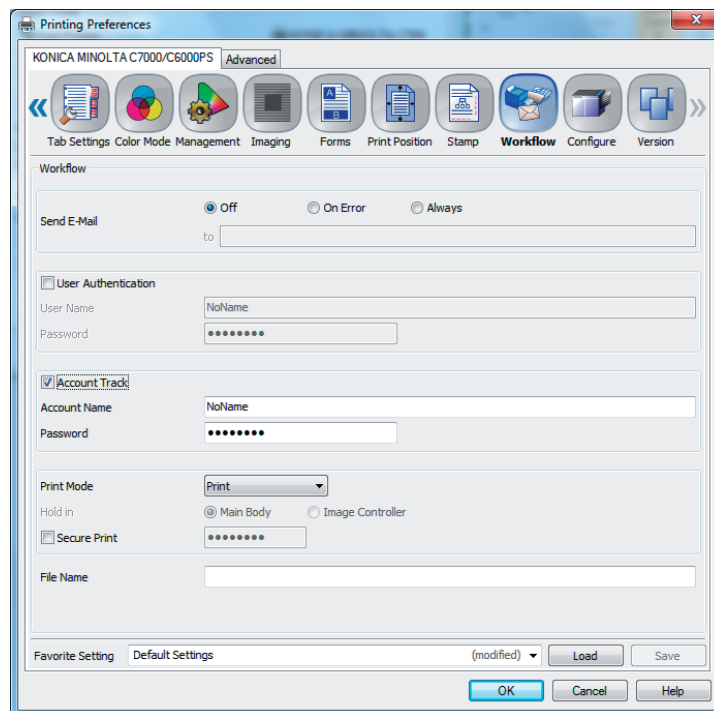
- PS Plug-in driver for Windows
- PS Plug-in driver for Mac OS X
- XPS driver for Windows

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 1 to 8 characters.

Reference

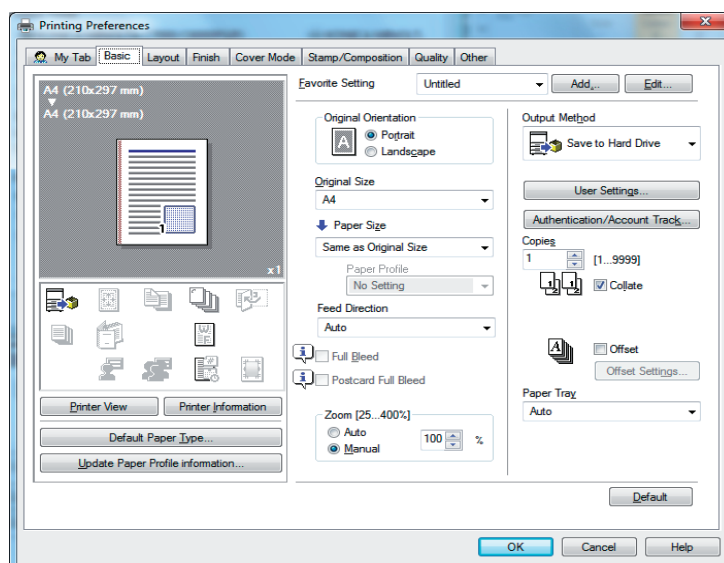
You can complete the setting without specifying Password.

- 4 Click [OK] to start printing.

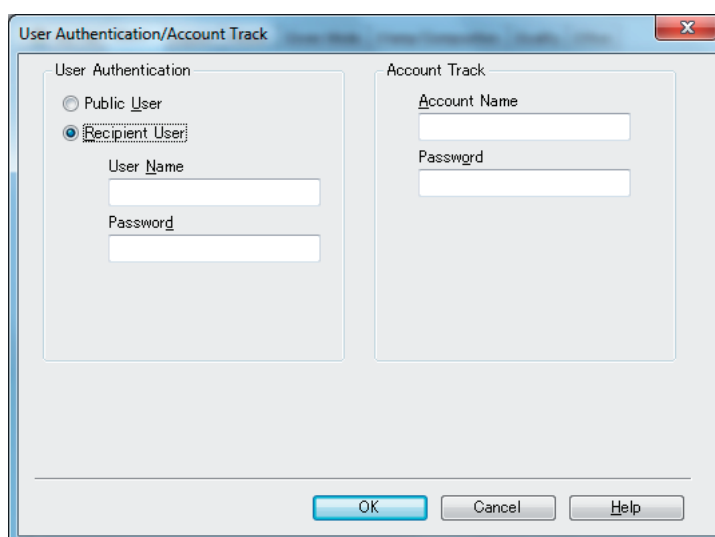
If the entered account name is an account name enabled on the machine, the job is printed and counted as a job for the specified account.

Setting an account track (XPS Driver)

- 1 Display [Basic] tab, and click[Authentication/Account Track].



- 2 Enter an [Account Name] and [Password] that are registered with the machine.



→ The account name and password must be specified with 1 to 8 characters.

Reference

You can complete the setting without specifying Password.

Note

To enter Account Track, you need to enable the Device Option in the [Configure] tab manually. For details, refer to page 12-3.

- 3 Click [OK].
- 4 Click [OK] to start printing.

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

14

Settings on the Control Panel

14 Settings on the Control Panel

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

14.1 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.

14.1.1 Displaying the Controller screen

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

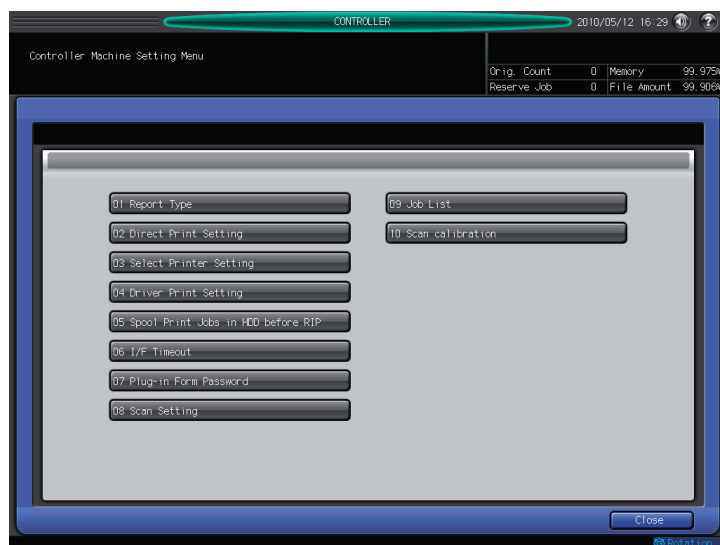


The Controller Machine Setting Menu screen is displayed.

→ Note

The screens for "bizhub PRESS C7000" are used here.
Some screens may not be displayed depending on the model.

14.1.2 Controller Machine Setting Menu screen

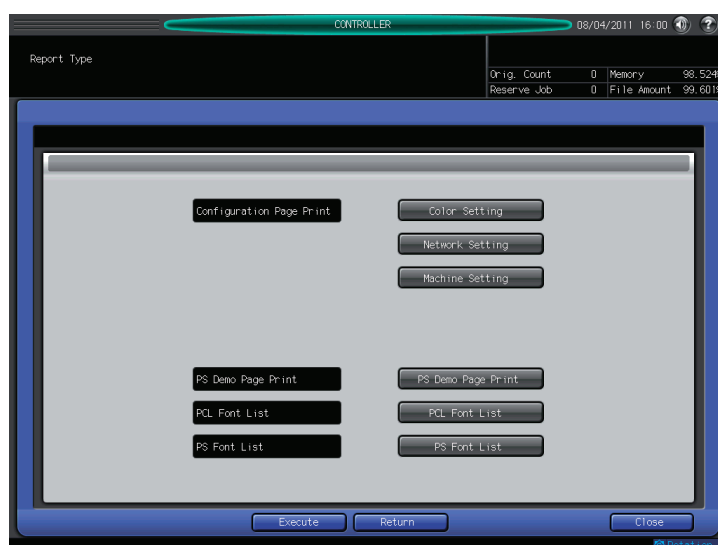


In the Controller Machine Setting Menu screen, you can set the following functions.

Item	Description	Reference page
Report Type	Outputs [Configuration Page Print], [PS Demo Page Print], [PCL Font List] and [PS Font List].	page 14-4
Direct Print Setting	You can specify the several output settings including [Basic Settings] for direct printing.	page 14-4
Select Printer Setting	Assigns the default output setting for the default port and default setting number for each port.	page 14-8
Driver Print Setting	Specifies [Convert Paper Size], [Page Number Insert Sheet], [Number of Tabs], [Perfect Bind Spine Width].	page 14-9
Spool Print Jobs in HDD before RIP	Select a job spool setting from [Auto], [Enable], or [Disable].	page 14-11
I/F Timeout	You can set the time until a communication timeout occurs.	page 14-12
Plug-in Form Password	Input a password for the form function for a PS Plug-in driver.	page 14-12
Scan Setting	You can set settings on network scanning. For details, refer to "IC-601 User's Guide Network Scanner".	page 14-13
Job List	You can display the following lists on a job. <ul style="list-style-type: none"> [Current Jobs], [Output History], [Send History] 	page 14-14
Scan calibration	Initiates scan calibration.	page 14-15

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 14-2.



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

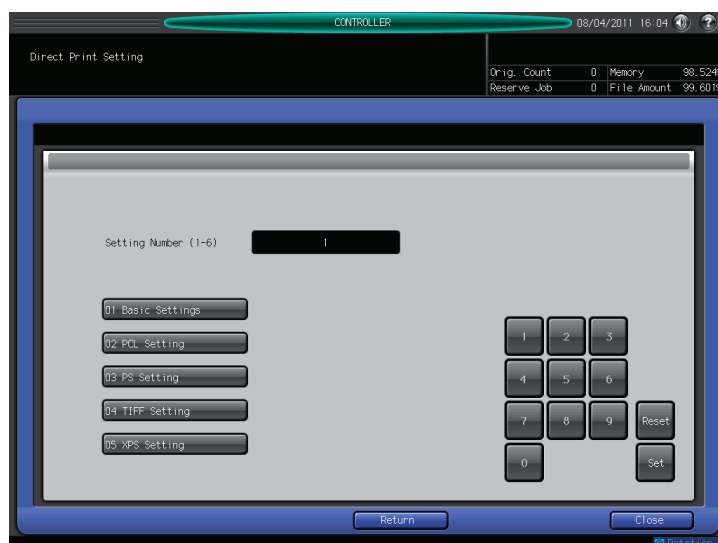


Reference

For samples for each report, refer to page 18-5.

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 14-2.



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].

Item	Description
[PCL Setting]	Specify basic settings such as [Font Setting] and [Symbol Set].
[PS Setting]	Specify whether to print PS Error Print.
[TIFF Setting]	You can set [Auto Paper Select] and [Image Position].
[XPS Settings]	Specify [Verify XPS Digital Signature] and [Print XPS Errors].

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 14-2.

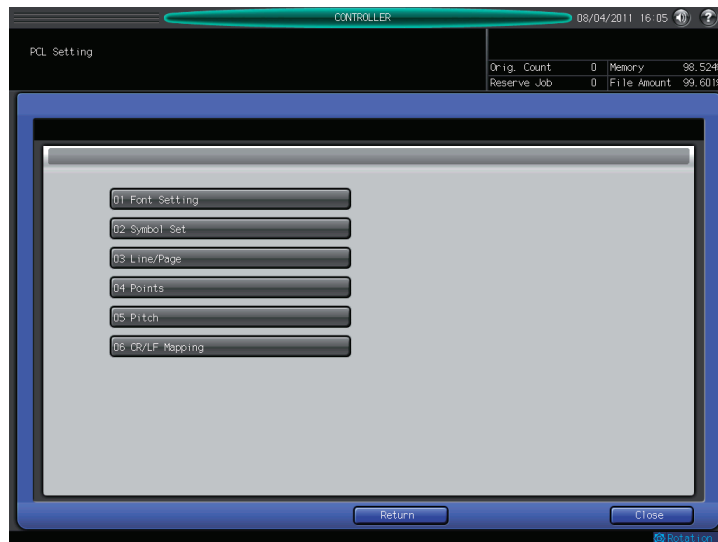


Item	Description
[PDL]	Configure settings for the Page Description Language.
[Paper Tray Setting]	Specify the default paper tray setting.
[Output Tray Settings]	Specify the default output tray setting.
[Simplex/Duplex]	Specify the default simplex/duplex print setting.
[Binding Position]	Specify the default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

Item	Description
[Combine Originals/Image Repeat]	Specify the default [Combine Originals/Image Repeat] 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.
[Pile Permission]	Specify the default [Pile 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 - PCL Setting

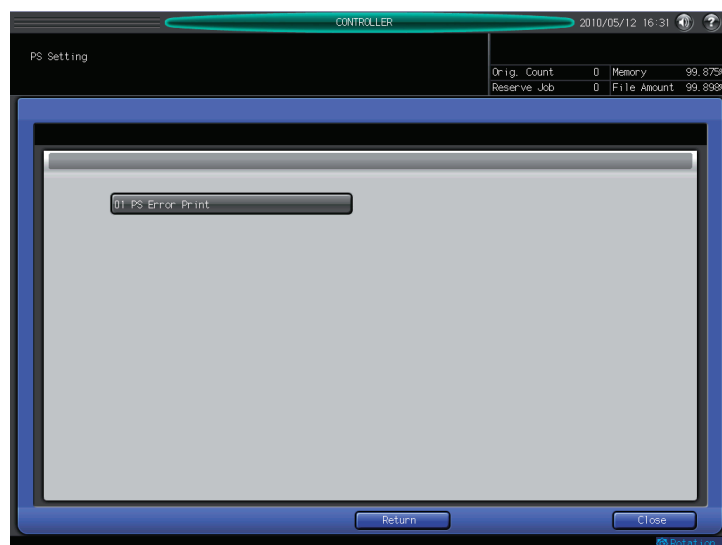
This screen is displayed if you select [Direct Print Setting] - [PCL Setting] in the [Controller] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 14-2.



Item	Description
[Font Setting]	Configure the default font setting. (Default: Courier)
[Symbol Set]	Configure the default font symbol set setting. (Default: ROMAN8)
[Line/Page]	Specify the number of lines per page when printing text. (Default: 64 lines)
[Points]	Specify proportional font size in points. (Default: 12.00)
[Pitch]	Specify width of fixed-width font in pitch. (Default: 10.00)
[CR/LF Mapping]	Specify how to replace CR (Carriage Return), LF (Line Feed) and FF (Form Feed) when printing text data. (Default: Off)

Direct Print Setting - PS Setting

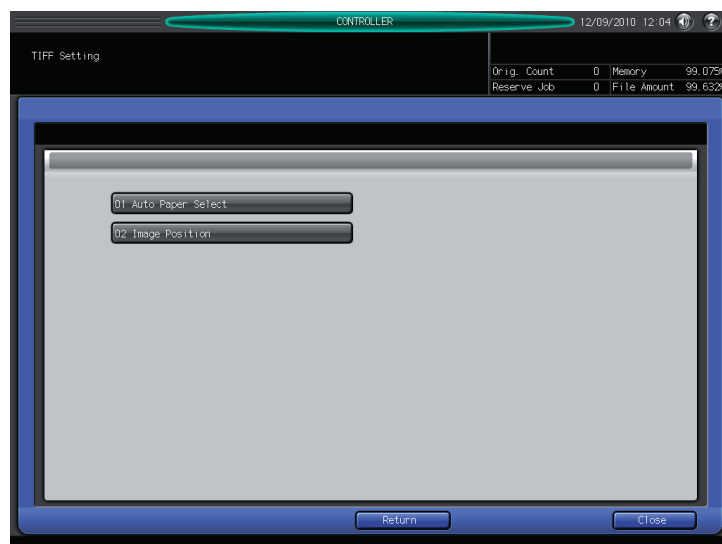
This screen is displayed if you select [Direct Print Setting] - [PS Setting] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 14-2.



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

Direct Print Setting - TIFF Setting

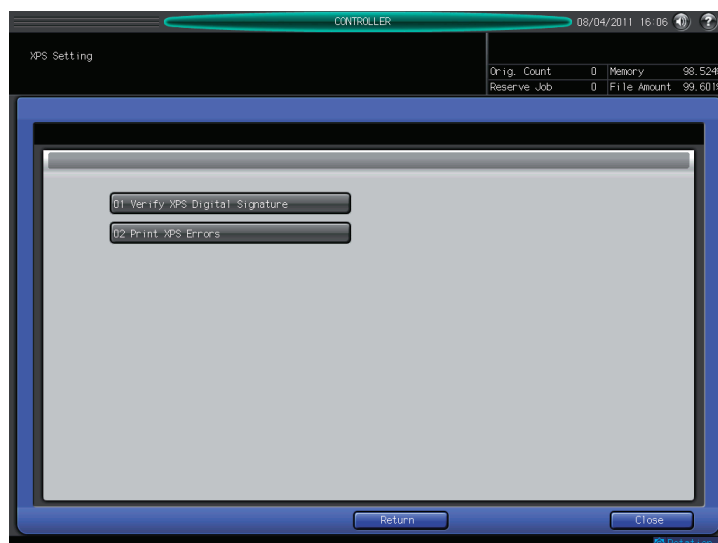
This screen is displayed if you select [Direct Print Setting] - [TIFF Setting] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 14-2.



Item	Description
[Auto Paper Select]	It sets whether to print automatically on appropriate paper size in accordance with size of the TIFF image.
[Image Position]	It sets the print position for the TIFF image. <ul style="list-style-type: none"> Select [Left] or [Center].

Direct Print Setting - XPS Setting

This screen is displayed if you select [Direct Print Setting] - [XPS Setting] in the [Controller] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 14-2.



Item	Description
[Verify XPS Digital Signature]	Specify whether to Verify XPS Digital Signature. (Default: Off)
[Print XPS Errors]	Specify whether to print XPS Error Print. (Default: Off)

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 14-2.



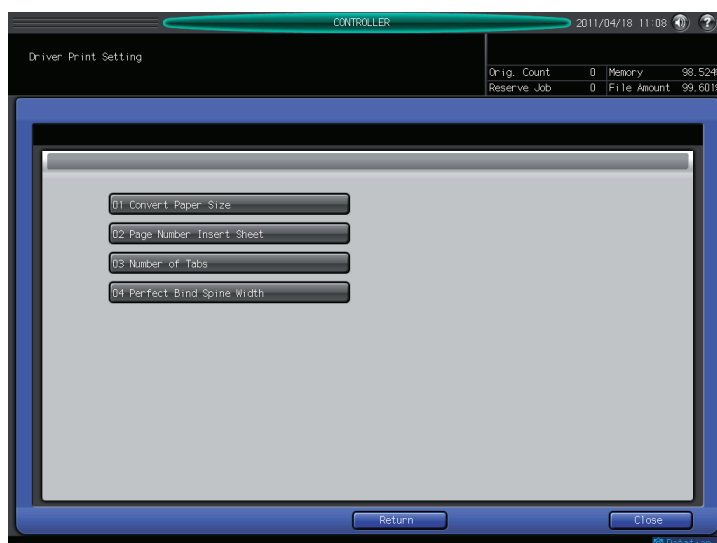
Item	Description
[Port1(9100)] - [Port6(9116)]	You can set output for each port (Setting Number 1 -6). Input a port number and press [Set].

Reference

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

Driver Print Setting

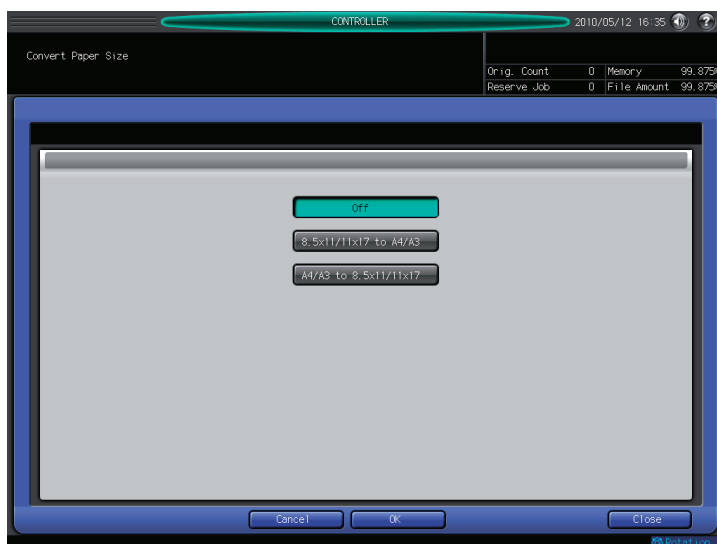
This screen is displayed if you select [Driver Print Setting] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 14-2.



Item	Description
[Convert Paper Size]	When the specified paper is not set, specify the Convert Page Size.
[Page Number Insertion Sheet]	Specify whether to print a page number on the insertion sheet.
[Number of Tabs]	Specify a number of tabs.
[Perfect Bind Spine Width]	Set the width of a spine.

Driver Print Setting - Convert Paper Size

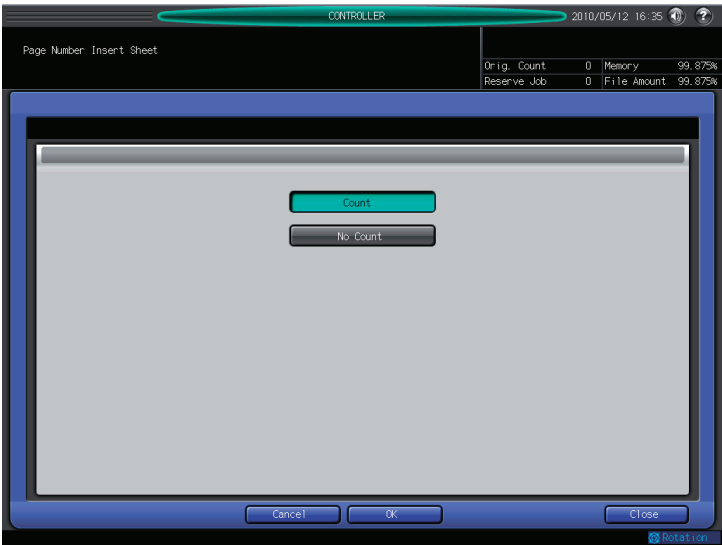
This screen is displayed if you select [Driver Print Setting] - [Convert Paper Size] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 14-2.



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 14-2.



Item	Description
[Page Number Insert 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 14-2.



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

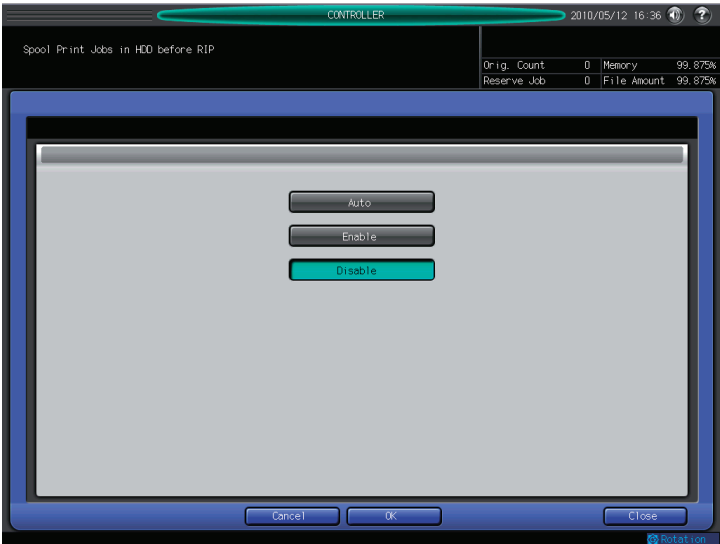
This screen is displayed if you select [Driver Print Setting] - [Perfect Bind Spine Width] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 14-2.



Item	Description
[Spine Width (1.0-30.0mm)]	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 14-2.



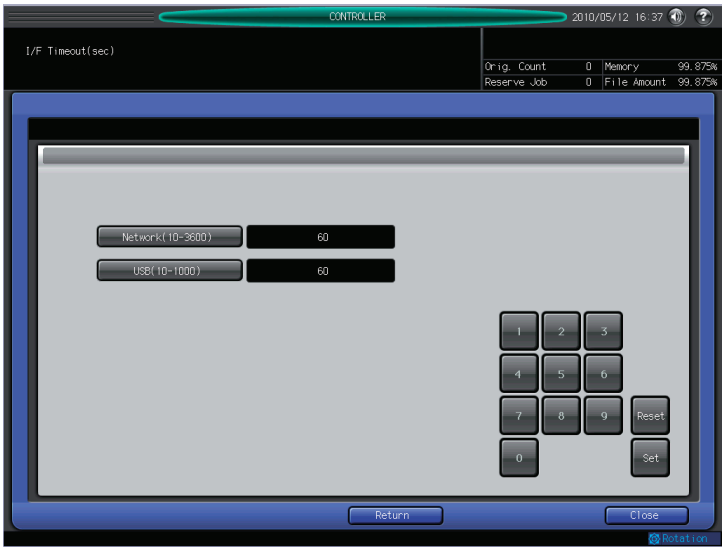
Item	Description
[Job Spool Setting]	Specify a job spool setting. <ul style="list-style-type: none">You can select [Auto], [Enable], or [Disable].

NOTICE

After the change, turn OFF/On the sub power switch to fix the setting.

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 14-2.



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

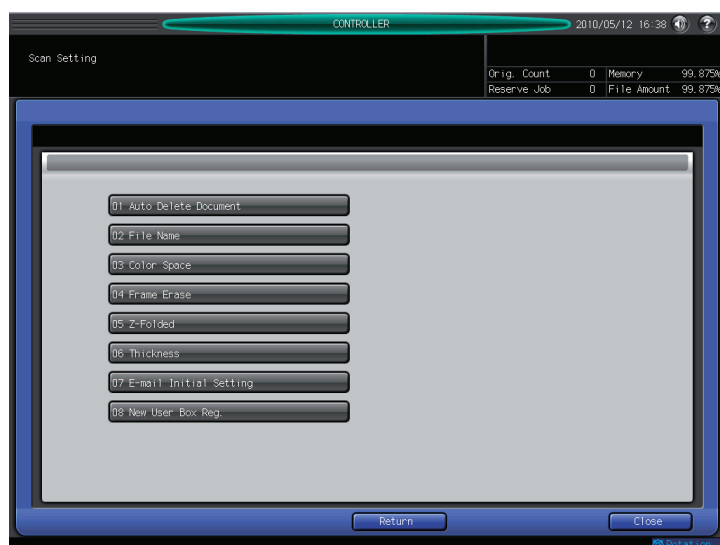
This screen is displayed if you select [Plug-in Form Password] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 14-2.



Item	Description
Plug-in Form Password	It sets the password used to delete Form. The form function is available in the PS Plug-in driver. For details, refer to page 10-20. The default is "password".

Scan Setting

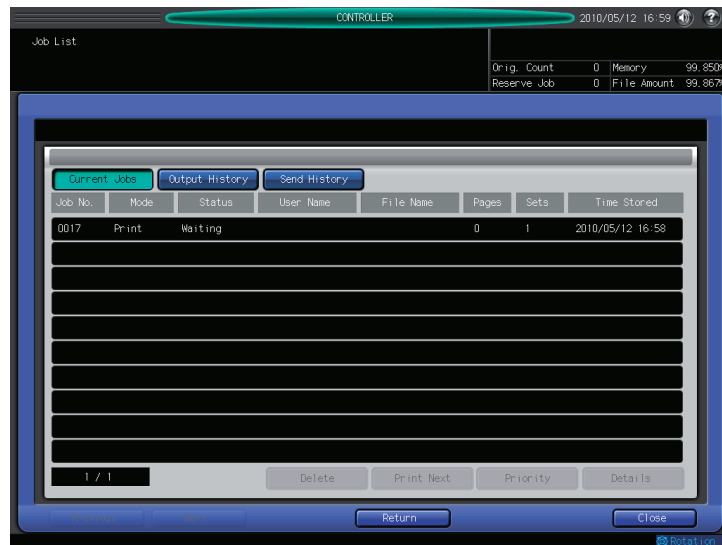
This screen is displayed if you select [Scan Setting] in the [Controller Machine Setting Menu] screen. For detailed information on how to open the [Controller Machine Setting Menu] screen, refer to page 14-2.



Item	Description
[Auto Delete Document]	Specify the setting on [Auto Delete Document]. For details, refer to "IC-601 User's Guide Network Scanner".
[File Name]	Specify the setting on [File Name]. For details, refer to "IC-601 User's Guide Network Scanner".
[Color Space]	Specify the setting on [Color Space]. For details, refer to "IC-601 User's Guide Network Scanner".
[Frame Erase]	Specify the setting on [Frame Erase]. For details, refer to "IC-601 User's Guide Network Scanner".
[Z-Folded]	Specify the setting on [Z-Folded]. For details, refer to "IC-601 User's Guide Network Scanner".
[Thickness]	Specify the setting on [Thickness]. For details, refer to "IC-601 User's Guide Network Scanner".
[E-mail Initial Setting]	Specify the setting on [E-mail Initial Setting]. For details, refer to "IC-601 User's Guide Network Scanner".
[New User Box Reg.]	Specify the setting on [New User Box Reg.]. For details, refer to "IC-601 User's Guide Network Scanner".

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 14-2.



Item	Description
[Current Jobs]	Press this button to display all current jobs.
[Output History]	Press this button to display all outputted jobs.
[Send History]	Press this button to display all sent jobs.
[Delete]	Press this button to delete the selected job.
[Print Next]	Press this button to print the selected job preferentially.
[Priority]	Press this button to process the selected job preferentially.
[Details]	Press this button to display detailed information on the selected job.
[Previous]	Brings you back to the previous page.
[Next]	Brings you to the next page.
[Return]	Press this button to return to the previous screen.
[Close]	Press this button to exit from [Controller].

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 14-2.

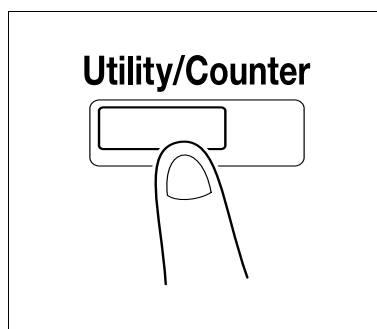


Item	Description
[Scan calibration]	You can set calibration. For details, refer to "IC-601 User's Guide Color Centro".

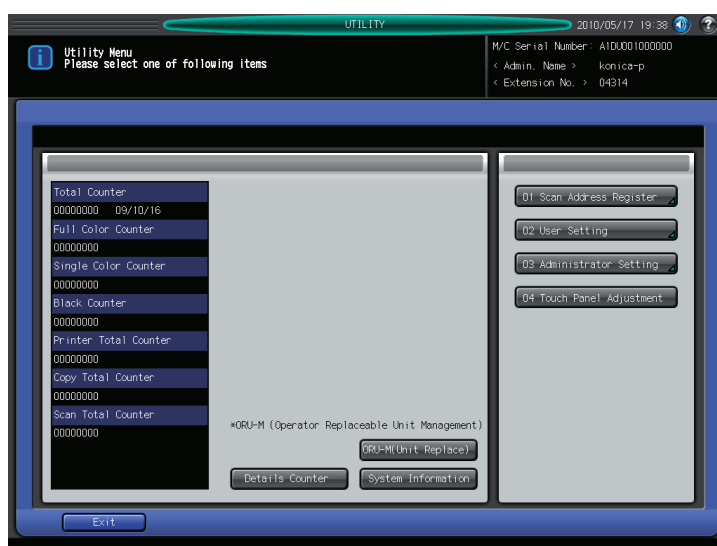
14.2 Basic operations of User Settings

14.2.1 Displaying the User Settings screen

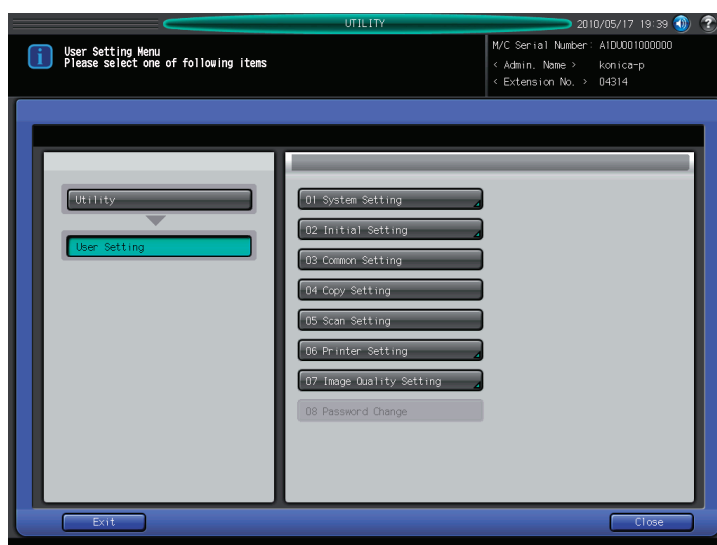
- 1 Press the **Utility/Counter** key.



- 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.

14.2.2 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 14-16.
- 2 Press [Gray Text Outline].
The Gray Text Outline screen is displayed.



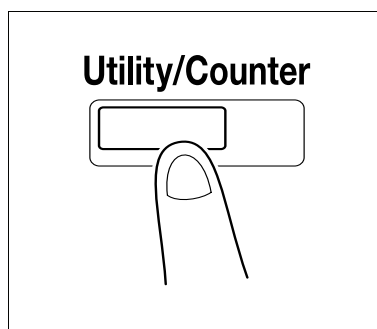
You can set the outline processing at printing.

- [Skeletization]: Specify a strength of a thin line at a resolution of 600dpi. (Default: Normal. In case of C8000: Strong)
- [Outline Emphasis]: Specify a strength of an outline at a resolution of 600dpi. (Default: Normal)
- [Process Black Sensitivity]: Specify a sensitivity of process black at a resolution of 600dpi. (Default: Normal)
- [Thin Line Prevention]: Specify the faint prevention function against the skeletonization at a resolution of 600dpi. (Default: ON)
- [Skeletization]: Specify a strength of a thin line at a resolution of 1200dpi. (Default: Normal. In case of C8000: Strong)
- [Outline Emphasis]: Specify a strength of an outline at a resolution of 1200dpi. (Default: Normal)

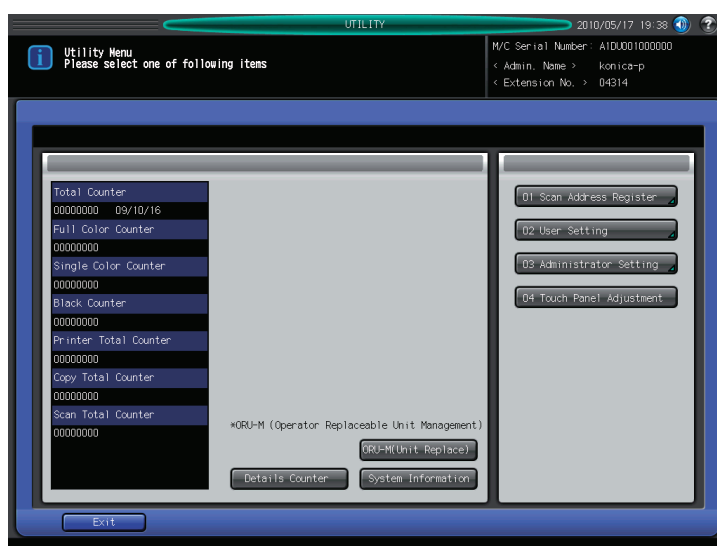
14.3 Basic operations in Administrator Settings

14.3.1 Displaying the Administrator Settings screen

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

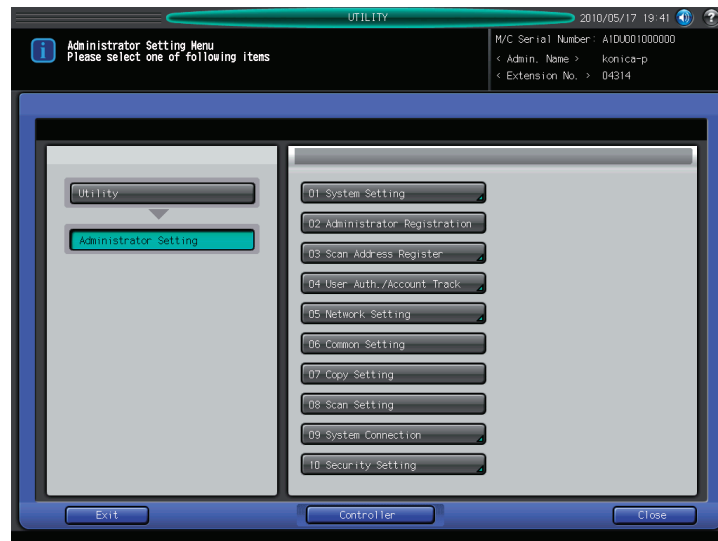


- 2 Press [Administrator Setting].



- 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.

14.3.2 Administrator Setting screen

**Reference**

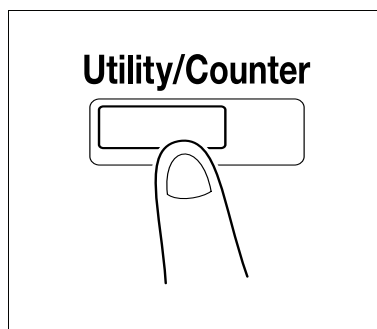
For details on the Administrator Settings of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".

14.4 Controller Administrator Setting Menu

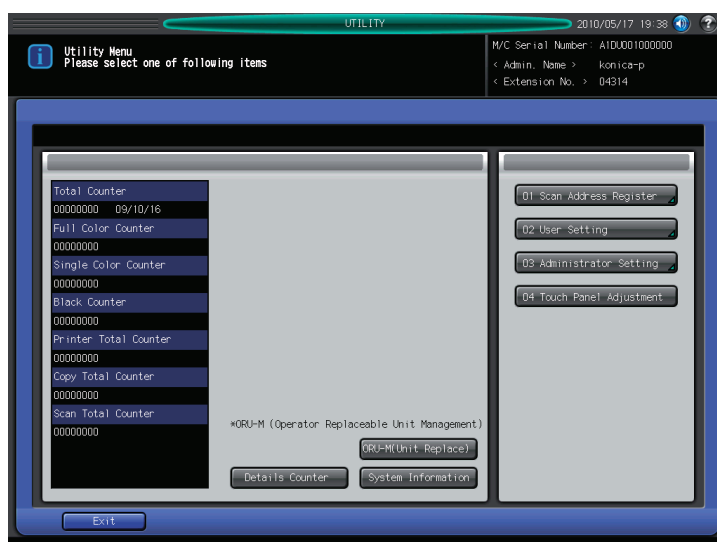
You can set various settings on the controller in the [Controller Administrator Setting Menu] screen, which is displayed by pressing [Utility/Counter] - [Administrator Setting] - [Controller].

14.4.1 Displaying the Controller Administrator Setting Menu screen

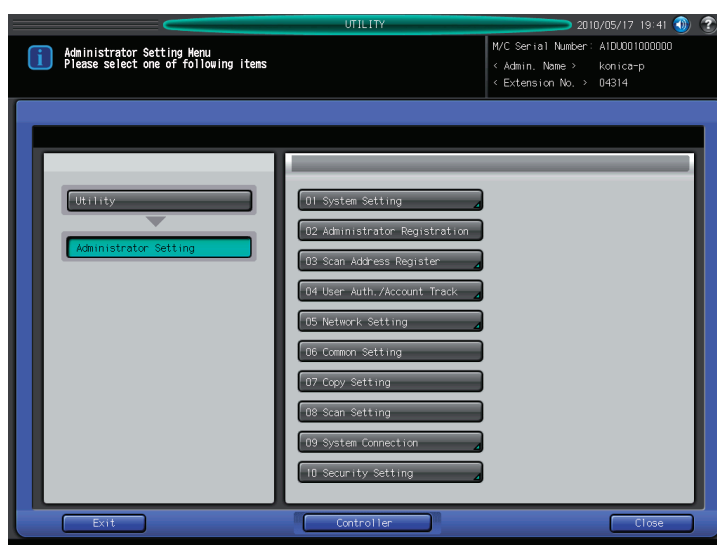
- 1 Press [Utility/Counter] in the control panel.



- 2 Press [Administrator Setting].

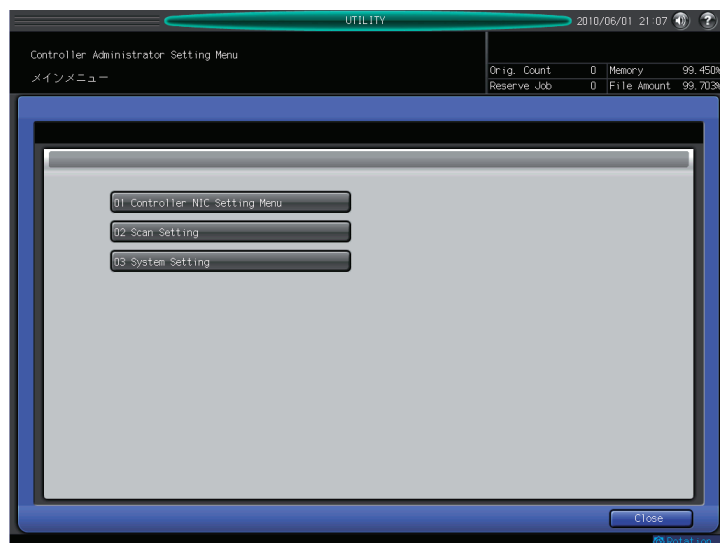


- 3 Press [Controller].



The [Controller Administrator Setting Menu] screen is displayed.

14.4.2 Controller Administrator Setting Menu screen



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

Item	Description
Controller NIC Setting Menu	Specify various settings on a network. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
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" or "User's Guide Main Body".

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 14-20.



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

Item	Description
NetWare Setting	Specify settings on Netware. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
HTTP Server Setting	Specify settings on an HTTP server. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
FTP Setting	Specify settings on FTP. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
SNMP Setting	Specify settings on SNMP. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
SMB Setting	Specify settings on SMB. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
AppleTalk Setting	Specify settings on AppleTalk. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
Bonjour Setting	Specify settings on Bonjour. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
E-mail Setting	Specify settings on an E-mail. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
TCP Socket Setting	Specify settings on TCP Socket. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
CSRC Setting	Specify settings on CSRC. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
OpenAPI Setting	Specify settings on OpenAPI. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
Web Service Settings	Specify settings on Web service. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
JSP Setting	Specify settings on JSP. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
LDAP Setting	Specify settings on LDAP. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
IEEE802.1X Authentication Setting	Specify settings on an IEEE802.1X authentication. For details, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
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" or "User's Guide Main Body".

15

PageScope Web Connection

15 PageScope Web Connection

15.1 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.

15.1.1 Operating environment

Network	Ethernet (TCP/IP)
Applications on computer	Web browser: <For Windows NT4.0/2000/XP/Server 2003/Vista/Server 2008/7> <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.

15.1.2 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 15-9.
- ✓ For details on the IP address settings of this machine, refer to "User's Guide POD Administrator's Reference" or "User's Guide Main Body".
- ✓ **PageScope Web Connection** has two view modes: Flash and HTML. For details, refer to page 15-8.

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 the 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.

15.1.3 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.

Note

The screens for "bizhub PRESS C7000" are used here. Some screens may not be displayed depending on the model.

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].

15.1.4 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.

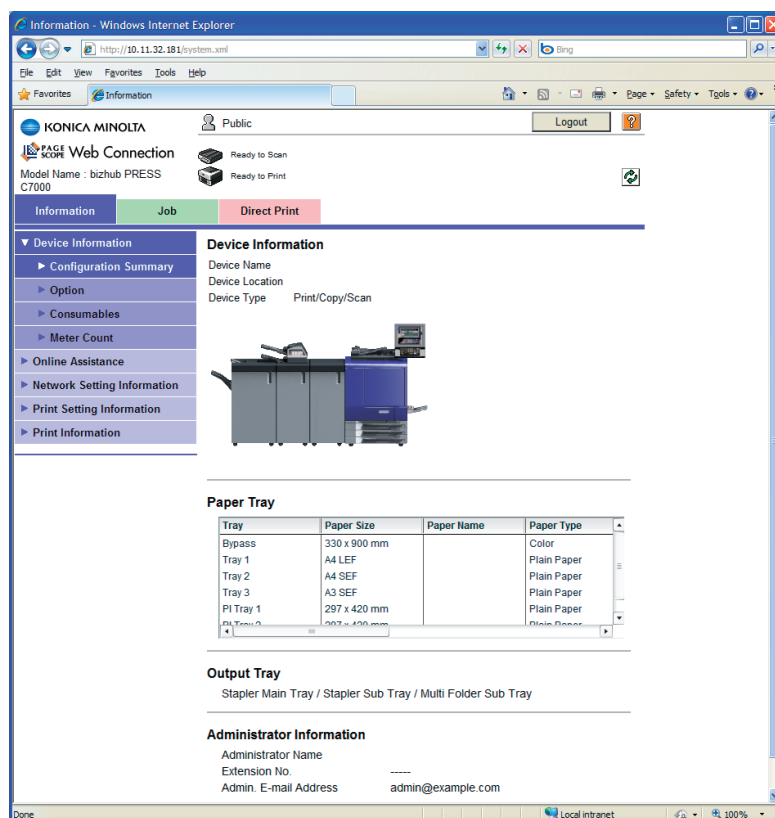
15.2 Login and Logout

15.2.1 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

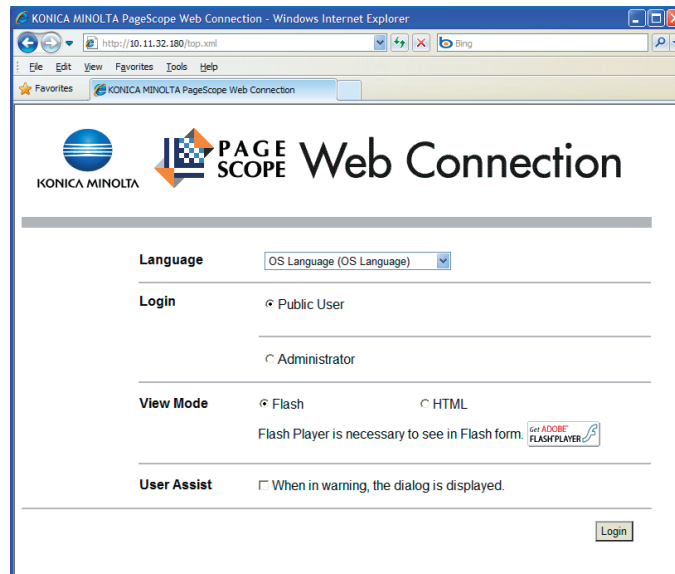
You are automatically logged in as a public user.



To log in as an administrator, log out once.



Login as an administrator again.



KONICA MINOLTA PageScope Web Connection

Language: OS Language (OS Language)

Login: ☒ Public User
☐ Administrator

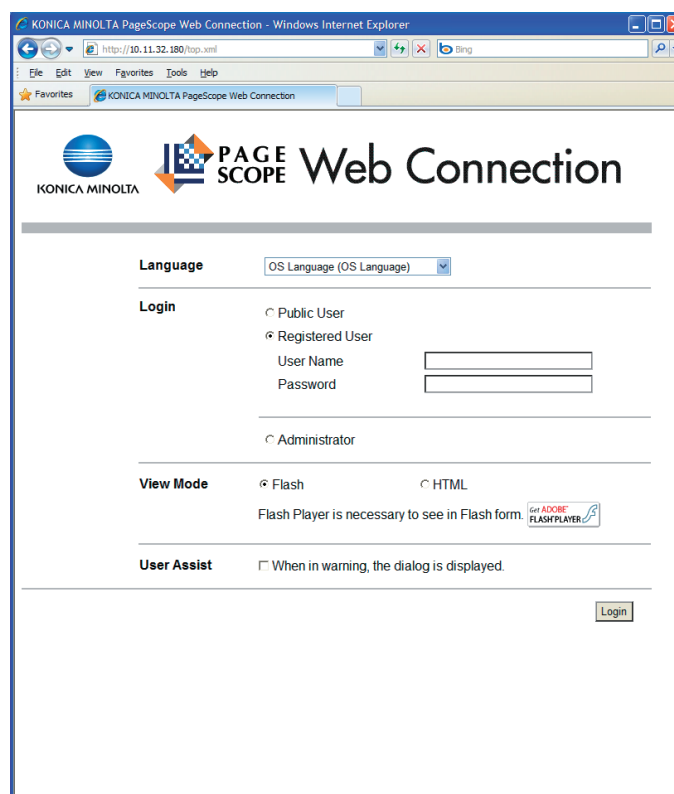
View Mode: ☒ Flash ☐ HTML
Flash Player is necessary to see in Flash form. [Get Adobe Flash Player](#)

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 PageScope 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 Flash Player](#)

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 "PageScope Web Connection" title. Below the title, there are several sections:

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

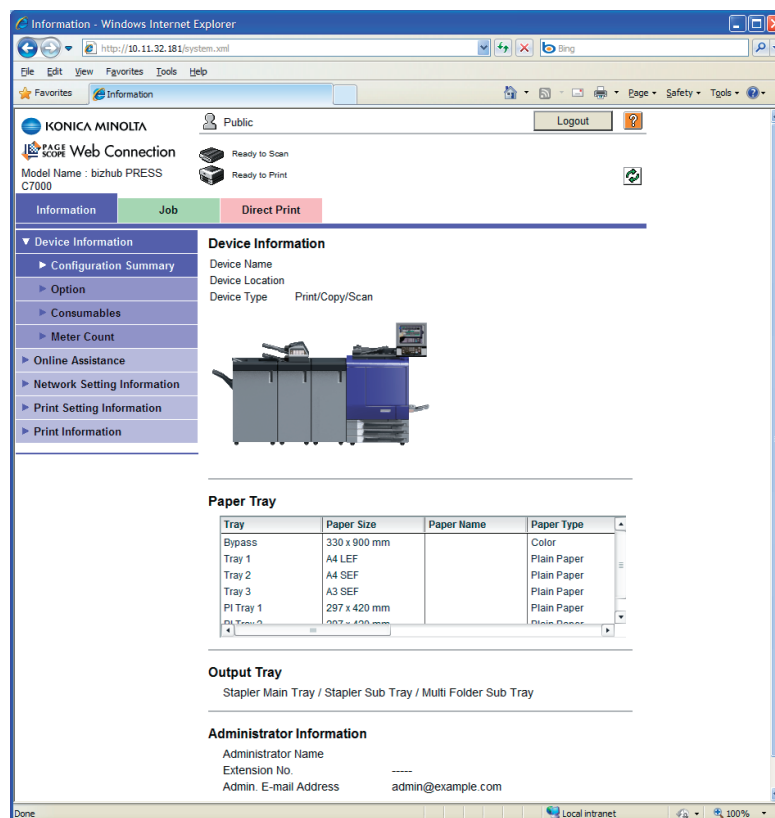
A "Login" button is located at the bottom right of the form area.

15.2.2 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 15-17.



15.2.3 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.

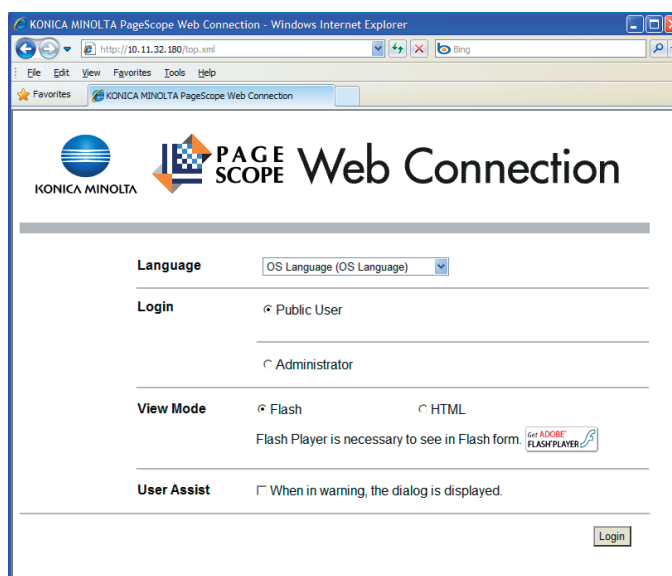
Item	Description
[Language]	Select the display language.
[View Mode]	Select Flash or HTML. <ul style="list-style-type: none"> If the screen reader software is used, we recommend selecting [HTML] as the view mode. Flash Player is required when selecting [Flash].
[User Assist]	Select the [Display dialog 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].

The screenshot shows the 'KONICA MINOLTA PageScope Web Connection' page in a Windows Internet Explorer browser window. The address bar shows 'http://10.11.32.180/top.xml'. The page features the Konica Minolta logo and the title 'PAGE SCOPE Web Connection'. Below the header, there is a 'Language' dropdown menu set to 'OS Language (OS Language)'. The 'Login' section has three radio buttons: 'Public User', 'Registered User' (which is selected), and 'Administrator'. Under 'Registered User', there are input fields for 'User Name' and 'Password'. Below the 'Login' section, there is a 'View Mode' section with radio buttons for 'Flash' (selected) and 'HTML'. A note states 'Flash Player is necessary to see in Flash form.' with a small Adobe Flash Player icon. At the bottom, there is a 'User Assist' checkbox labeled 'When in warning, the dialog is displayed.' and a 'Login' button.

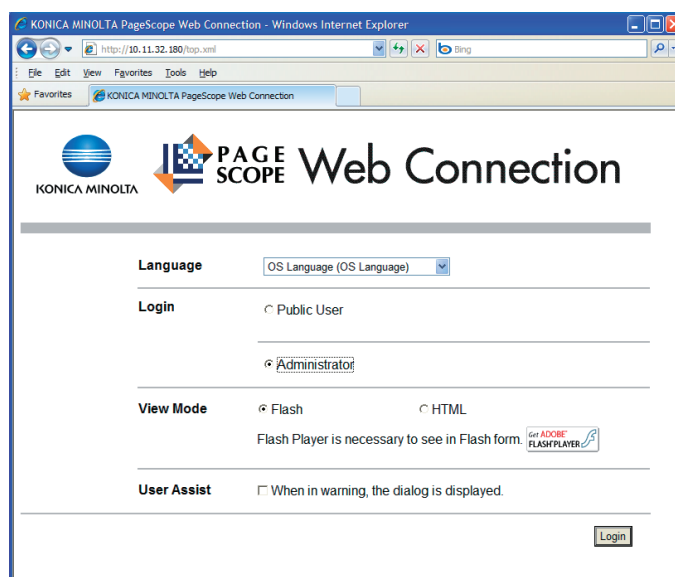
Reference

- 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].



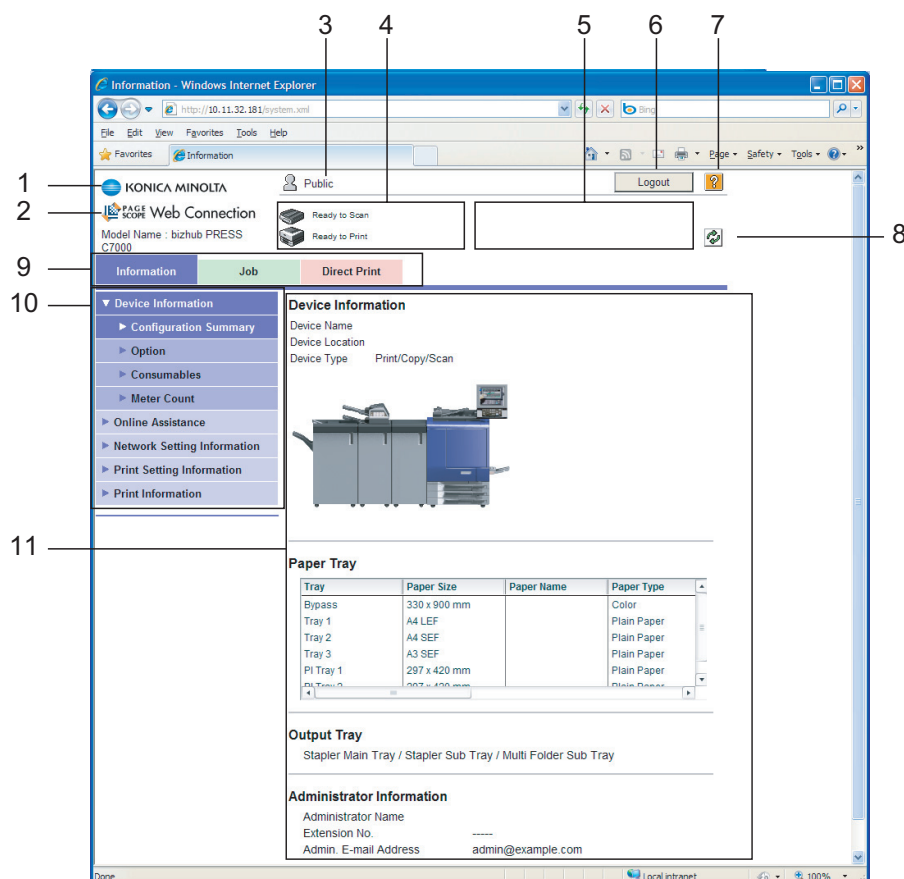
- 2 Enter the administrator password, and then click [OK].
 - Logging in to the administrator mode locks the control panel of this machine, and you will not be able to use it.
 - Depending on the status of this machine, you may not be able to log in to the administrator mode.
 - The password entry page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

15.3 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.



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 15-13.
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.

15.4 Overview of the user mode

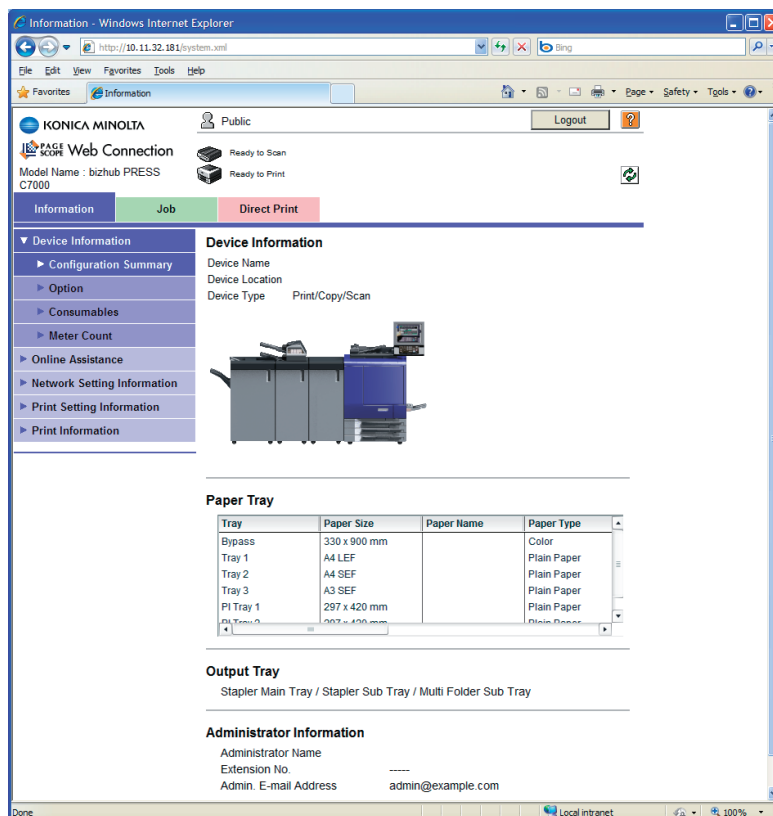
After logging in to PageScope Web Connection in the user mode, the following functions can be specified.

15.4.1 Information



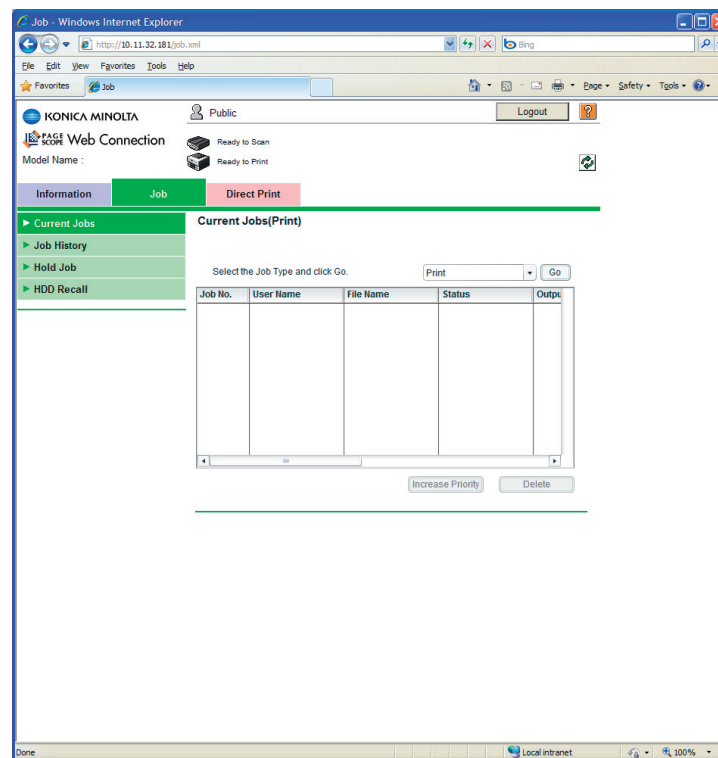
Reference

For details on the user mode, refer to the online help for **PageScope Web Connection**. For details on the online help, refer to page 15-3.



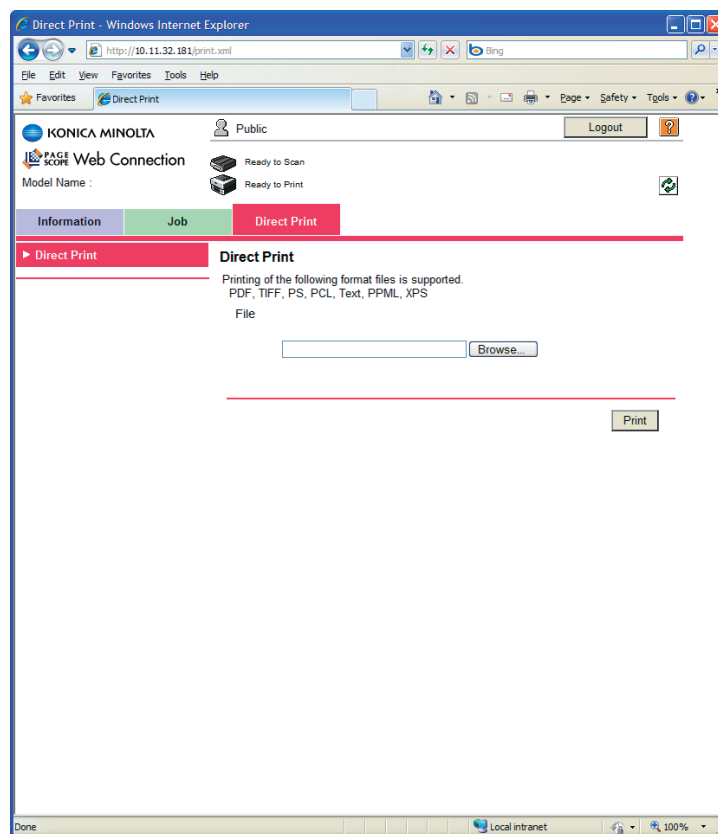
Item	Description
[Device Information]	Enables you to check the components, options, consumables, and meter counts of this machine.
[Online Assistance]	Enables you to check the online assistance about this product.
[Network Setting Information]	Enables you to check the network settings of this machine.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

15.4.2 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.

15.4.3 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.

15.5 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" or "User's Guide Main Body".

15.5.1 Maintenance

The screenshot shows the Maintenance page in the Konica Minolta Administrator mode. The page has a navigation bar with tabs: Maintenance, Security, Print Setting, Scan, and Network. The Maintenance tab is selected. On the left, there is a sidebar with a tree view containing: Meter Count, ROM Version, Import/Export, Status Notification Setting, Machine Setting, Online Assistance, and Reset. The main content area displays several counters and settings:

- 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:**

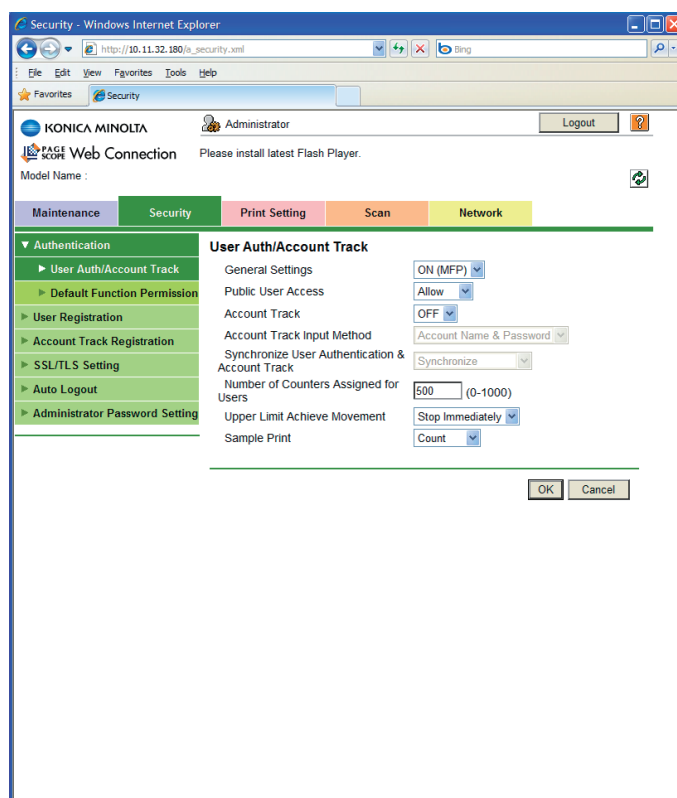
	Full Color	Black	Total
Total	18	2	20
Large Size	0	0	0
- Scan Counter:**

Total	0
Large Size	0
- Total (Copy + Print):**

	Full Color	Black
Total	19	2

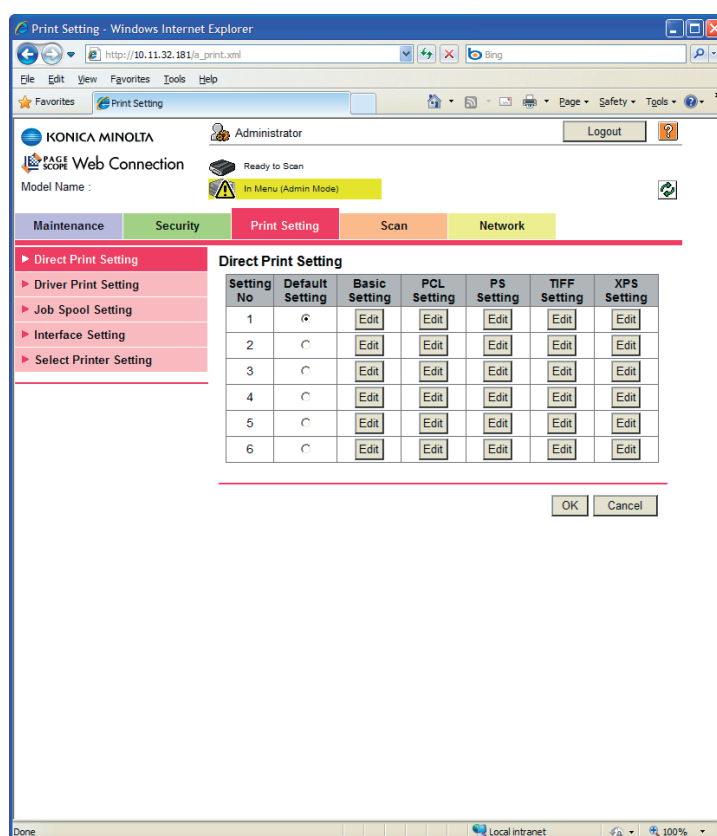
Item	Description
[Meter Count]	Enables you to check the meter count of this machine.
[ROM Version]	Enables you to check the ROM version.
[Import/Export]	Saves (exports) setting information, User Authentication/Account Track information, or Meter Count information of this machine as a file, or writes (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].
[Reset]	Return the Network Settings to the factory default.

15.5.2 Security



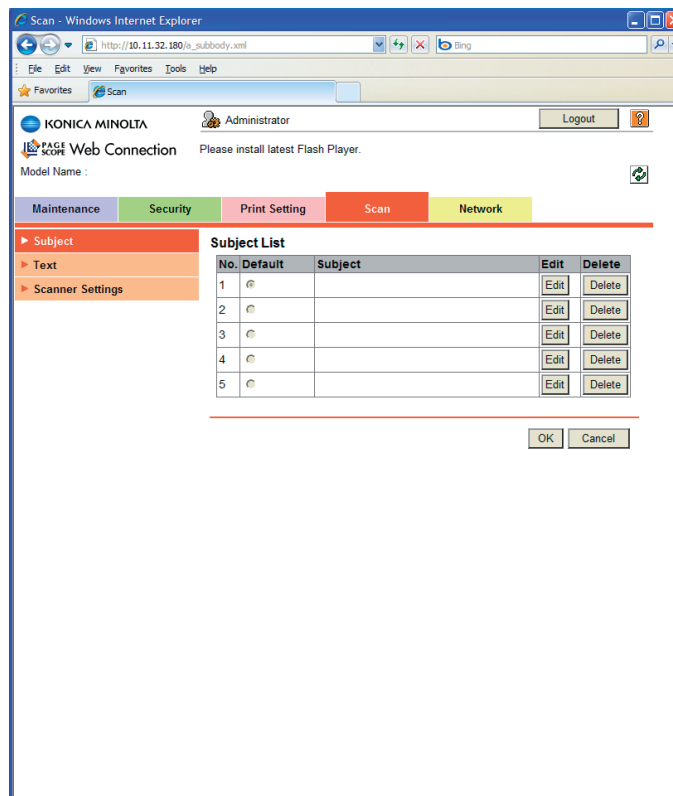
Item	Description
[Authentication Setting]	Configure the User Authentication or Account Track setting in this machine. To enable authentication, configure the number of assigned counters or the When Number of Jobs Reach Maximum setting. When [User Authentication] or [Account Track] is being conducted 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.

15.5.3 Printer Setting



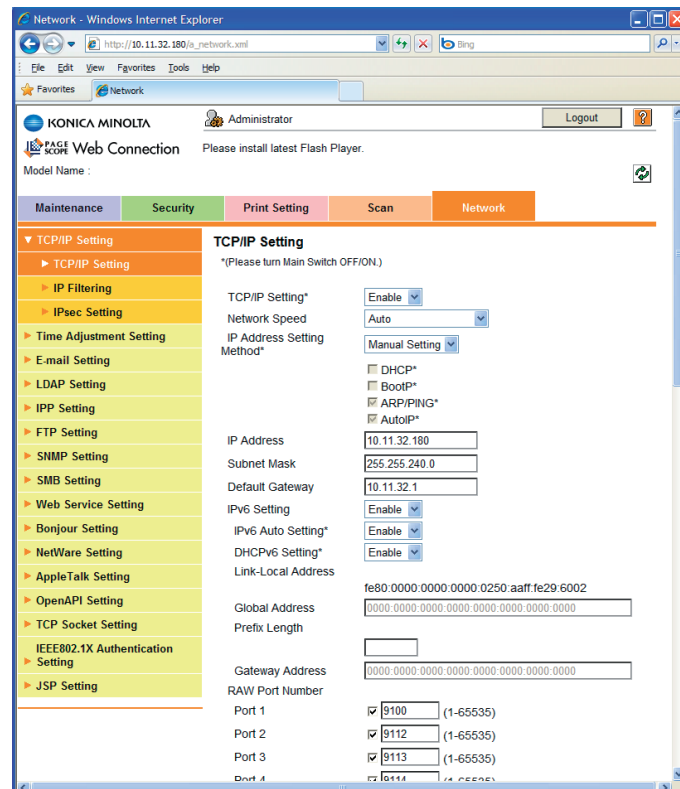
Item	Description
[Direct Print Setting]	6 patterns of printer default settings for direct print can be registered. Settings selected by the [Default Setting] radio button can be displayed at [Information] - [Print Setting Information].
[Driver Print Setting]	Initiates Driver Print Setting.
[Job Spool 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.

15.5.4 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.

15.5.5 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.

16

Utility tool

16 Utility tool

16.1 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.

17

Troubleshooting

17 Troubleshooting

17.1 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 this machine whether the job is on hold in the [Hold Job] in the [JOB LIST] tab.
	[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.
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].

17.2 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.

17.2.1 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.

17.2.2 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.

17.2.3 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.

18

Product Specification/Report

18 Product Specification/Report

18.1 Product specifications


Item	Specifications
Type	Built-in printer controller
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
Page description language	PostScript 3 (3019) PDF Direct Print (PDF Ver. 1.7) TIFF Direct Print (TIFF Ver. 6 compliant) PPML (Ver. 2.1) PCL5c compatible PCL XL (PCL6 Ver. 3) compatible XPS (Ver. 1 compliant)
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 136 fonts <PCL> Agfa Micro Type 80 fonts Symbolset 36 types
Compatible computer	IBM PC or compatible, and Macintosh (PowerPC, Intel Processor: Intel Processor is for Mac OS X 10.4/10.5/10.6 only)

Item	Specifications	
Printer driver	PS Plug-in Driver	<p>Windows 2000 Professional (Service Pack 4 or later)</p> <p>Windows 2000 Server (Service Pack 3 or later)</p> <p>Windows XP Home Edition (Service Pack 3 or later)</p> <p>Windows XP Professional (Service Pack 3 or later)</p> <p>Windows Server 2003, Standard Edition (Service Pack 2 or later)</p> <p>Windows Server 2003, Enterprise Edition (Service Pack 2 or later)</p> <p>Windows XP Professional x64 Edition (Service Pack 2 or later)</p> <p>Windows Server 2003, Standard x64 Edition (Service Pack 2 or later)</p> <p>Windows Server 2003, Enterprise x64 Edition (Service Pack 2 or later)</p> <p>Windows Vista Business (Service Pack 2 or later)*</p> <p>Windows Vista Enterprise (Service Pack 2 or later)*</p> <p>Windows Vista Home Basic (Service Pack 2 or later)*</p> <p>Windows Vista Home Premium (Service Pack 2 or later)*</p> <p>Windows Vista Ultimate (Service Pack 2 or later)*</p> <p>Windows Server 2008 Standard (Service Pack 2 or lower)*</p> <p>Windows Server 2008 Enterprise (Service Pack 2 or lower)*</p> <p>Windows 7 Home Basic (Service Pack 1 or lower)</p> <p>Windows 7 Home Premium (Service Pack 1 or lower)*</p> <p>Windows 7 Professional (Service Pack 1 or lower)*</p> <p>Windows 7 Enterprise (Service Pack 1 or lower)*</p> <p>Windows 7 Ultimate (Service Pack 1 or lower)*</p> <p>* Supports 32-bit (x86)/64-bit (x64) environment.</p>
		Mac OS X 10.4/10.5/10.6
	PPD driver	<p>Windows 2000 Professional (Service Pack 4 or later)</p> <p>Windows 2000 Server (Service Pack 3 or later)</p> <p>Windows XP Home Edition (Service Pack 3 or later)</p> <p>Windows XP Professional (Service Pack 3 or later)</p> <p>Windows Server 2003, Standard Edition (Service Pack 2 or later)</p> <p>Windows Server 2003, Enterprise Edition (Service Pack 2 or later)</p> <p>Windows XP Professional x64 Edition (Service Pack 2 or later)</p> <p>Windows Server 2003, Standard x64 Edition (Service Pack 2 or later)</p> <p>Windows Server 2003, Enterprise x64 Edition (Service Pack 2 or later)</p> <p>Windows Vista Business (Service Pack 2 or later)*</p> <p>Windows Vista Enterprise (Service Pack 2 or later)*</p> <p>Windows Vista Home Basic (Service Pack 2 or later)*</p> <p>Windows Vista Home Premium (Service Pack 2 or later)*</p> <p>Windows Vista Ultimate (Service Pack 2 or later)*</p> <p>Windows Server 2008 Standard (Service Pack 2 or lower)*</p> <p>Windows Server 2008 Enterprise (Service Pack 2 or lower)*</p> <p>Windows 7 Home Basic (Service Pack 1 or lower)</p> <p>Windows 7 Home Premium (Service Pack 1 or lower)*</p> <p>Windows 7 Professional (Service Pack 1 or lower)*</p> <p>Windows 7 Enterprise (Service Pack 1 or lower)*</p> <p>Windows 7 Ultimate (Service Pack 1 or lower)*</p> <p>* Supports 32-bit (x86)/64-bit (x64) environment.</p>

Item	Specifications
	<p>XPS driver</p> <p>Windows Vista Business (Service Pack 2 or later)* Windows Vista Enterprise (Service Pack 2 or later)* Windows Vista Home Basic (Service Pack 2 or later)* Windows Vista Home Premium (Service Pack 2 or later)* Windows Vista Ultimate (Service Pack 2 or later)* Windows Server 2008 Standard (Service Pack 2 or lower)* Windows Server 2008 Enterprise (Service Pack 2 or lower)* Windows Server 2008 R2, Standard Edition (Service Pack 2 or lower) Windows Server 2008 R2, Enterprise Edition (Service Pack 2 or lower) Windows 7 Home Basic (Service Pack 1 or lower) Windows 7 Home Premium (Service Pack 1 or lower)* Windows 7 Professional (Service Pack 1 or lower)* Windows 7 Enterprise (Service Pack 1 or lower)* Windows 7 Ultimate (Service Pack 1 or lower)* * Supports 32-bit (x86)/64-bit (x64) environment.</p>
Utility	<p>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. </p>
MetaFrame operating environment	<p>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.</p>

18.2 Printing reports

18.2.1 Color Setting



KONICA MINOLTA

Color Setting

Default Color Configuration Settings

Color Configuration

Default Manual Settings

----- RGB -----

RGB-CMYK Manual Settings: Use RGB Source Profile

Use RGB-CMYK Device Link Profile

Image: srgb_rgb_dlp_image

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_C8000_COAT

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

18.2.2 Network Setting



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/FIBS Setting: Enable
 AUTO IP Setting: Enable
 Direct Setting IP Address: 10.11.32.180
 Subnet Mask: 255.255.240.0
 Default Gateway: 10.11.32.1
 IPv6 Auto Setting: Enable
 IPv6 Auto Setting: Enable
 IPv6 DHCP Setting: Enable
 Global Address: 0000:0000:0000:0000:0000:0000:0
 Prefix Length: 0
 Link Local Address: fe80::0000:0000:0000:0250:a
 aff:fe89:8002
 Gateway Address: 0000:0000:0000:0000:0000:0000:0000:0000
 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: DMRT296002
 LAMR 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(9100): Enable
 RAW2 port(9112): Enable
 RAW3 port(9113): Enable
 RAW4 port(9114): Enable
 RAW5 port(9115): Enable
 RAW6 port(9116): 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

IPSec Setting / IPSec SA Setting
 Security Protocol: ESP Encryption Algorithm
 ESP Encryption Algorithm: Disable
 ESP Authentication Algorithm: Disable
 Destroy Time after Setup: 3600
 IPSec Setting / Register Communication Address
 Group1 IP Address:
 Pre-Shared Key:
 Perfect Forward Secrecy: Disable
 Group2 Encapsulation Mode: Disable
 IP Address:
 Pre-Shared Key:
 Perfect Forward Secrecy: Disable
 Group3 Encapsulation Mode: Disable
 IP Address:
 Pre-Shared Key:
 Perfect Forward Secrecy: Disable
 Group4 Encapsulation Mode: Disable
 IP Address:
 Pre-Shared Key:
 Perfect Forward Secrecy: Disable
 Group5 Encapsulation Mode: Disable
 IP Address:
 Pre-Shared Key:
 Perfect Forward Secrecy: Disable
 Group6 Encapsulation Mode: Disable
 IP Address:
 Pre-Shared Key:
 Perfect Forward Secrecy: Disable
 Group7 Encapsulation Mode: Disable
 IP Address:
 Pre-Shared Key:
 Perfect Forward Secrecy: Disable
 Group8 Encapsulation Mode: Disable
 IP Address:
 Pre-Shared Key:
 Perfect Forward Secrecy: Disable
 Group9 Encapsulation Mode: Disable
 IP Address:
 Pre-Shared Key:
 Perfect Forward Secrecy: Disable
 Group10 Encapsulation Mode: Disable
 IP Address:
 Pre-Shared Key:
 Perfect Forward Secrecy: Disable

NetWare Setting

IPX Setting: Disable
 NetWare Setting
 Ethernet Frame Type: Auto Detect
 NetWare Print Mode: Disable
 Poverver Setting
 Print Server Name: DMRT296002
 Print Server Password: *****
 Polling Interval: 1
 Bindery/NDS Setting: NDS
 File Server Name:
 NDS Context Name:
 NDS Tree Name:
 MyPrinter/Printer Setting
 Print Server Name: DMRT296002
 Printer Number: 255

18.2.3 Machine Setting



KONICA MINOLTA

Machine Setting

Firmware Version

Rom Version: A213061-80P1-F09-2109
 HED Version: 10-0013
 PS Version: 0.9.10
 PSM 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 Set: 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 2 -----

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 Set: 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 3 -----

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 Set: 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

18.2.4 PS Demo Page Print



18.2.5 PCL Font List

KONICA MINOLTA bizhub PRESS C7000

PCL Font List

P.1

Resident Fonts

Font	Pitch/Point	Escape Sequence	Font #
Courier	Scalable	<esc>(01X<esc>(s0p10h0s0b4099T	0
CG Times	Scalable	<esc>(01X<esc>(slp12v0s0b4101T	1
CG Times Bold	Scalable	<esc>(01X<esc>(slp12v0s3b4101T	2
<i>CG Times Italic</i>	Scalable	<esc>(01X<esc>(slp12v1s0b4101T	3
<i>CG Times Bold Italic</i>	Scalable	<esc>(01X<esc>(slp12v1s3b4101T	4
CG Omega	Scalable	<esc>(01X<esc>(slp12v0s0b4113T	5
CG Omega Bold	Scalable	<esc>(01X<esc>(slp12v0s3b4113T	6
<i>CG Omega Italic</i>	Scalable	<esc>(01X<esc>(slp12v1s0b4113T	7
<i>CG Omega Bold Italic</i>	Scalable	<esc>(01X<esc>(slp12v1s3b4113T	8
<i>Coronet</i>	Scalable	<esc>(01X<esc>(slp12v1s0b4116T	9
Clarendon Condensed	Scalable	<esc>(01X<esc>(slp12v4s3b4140T	10
Univers Medium	Scalable	<esc>(01X<esc>(slp12v0s0b4148T	11
Univers Bold	Scalable	<esc>(01X<esc>(slp12v0s3b4148T	12
<i>Univers Medium Italic</i>	Scalable	<esc>(01X<esc>(slp12v1s0b4148T	13
<i>Univers Bold Italic</i>	Scalable	<esc>(01X<esc>(slp12v1s3b4148T	14
Univers Med. Condensed	Scalable	<esc>(01X<esc>(slp12v4s0b4148T	15
Univers Bold Condensed	Scalable	<esc>(01X<esc>(slp12v4s3b4148T	16
<i>Univers Med. Cond. It.</i>	Scalable	<esc>(01X<esc>(slp12v5s0b4148T	17
<i>Univers Bold Cond. It.</i>	Scalable	<esc>(01X<esc>(slp12v5s3b4148T	18
Antique Olive	Scalable	<esc>(01X<esc>(slp12v0s0b4168T	19
Antique Olive Bold	Scalable	<esc>(01X<esc>(slp12v0s3b4168T	20
<i>Antique Olive Italic</i>	Scalable	<esc>(01X<esc>(slp12v1s0b4168T	21
Garamond Antiqua	Scalable	<esc>(01X<esc>(slp12v0s0b4197T	22
Garamond Halbfett	Scalable	<esc>(01X<esc>(slp12v0s3b4197T	23
<i>Garamond Kursiv</i>	Scalable	<esc>(01X<esc>(slp12v1s0b4197T	24

Here, the PCL Font List for "bizhub PRESS C7000" is used.

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Appendix

19 Appendix

19.1 PPD driver (For Linux and applications)

19.1.1 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.

19.1.2 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 [KOC****opn.ppd], and then click [OK].
- 7 From the [Please Select a Suitable driver.] list, select [KOC****opn.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 [KOC****opn.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.

19.1.3 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.

19.2 Glossary

Item	Description
10Base-T/ 100Base-TX/ 1000Base-T	Standard for the Ethernet and one of the specifications. 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. Not only connecting, it converts the format, address, protocol, etc. of the data according to the network to be connected.
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 incorporate the hardware, OS, application, printer driver, etc. to a computer system.
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	Representative page description language generally used for printing requiring specifically high quality, developed by US Adobe.
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.
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.
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.

Item	Description
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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