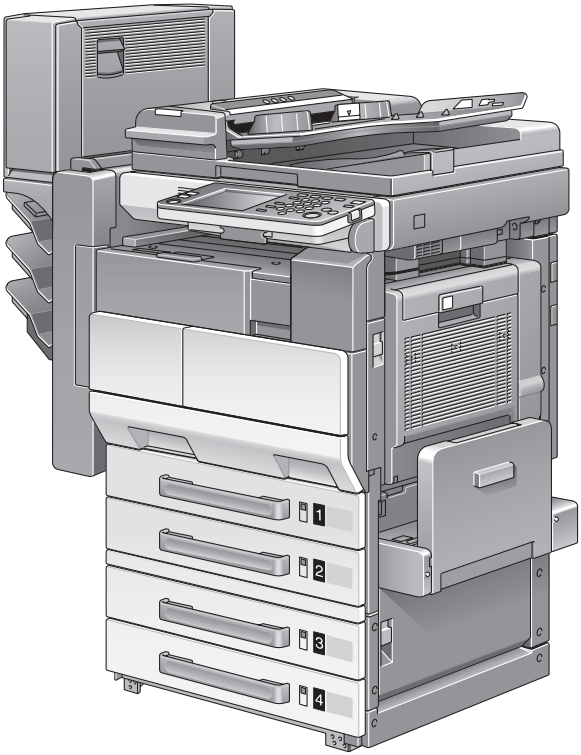
KONICA MINOLTA

The essentials of imaging

bizhub 200/250/350

User's Guide [Print Operations]



Welcome

Thank you for choosing this machine.

The bizhub 200, 250, and 350 are equipped with an integrated printer controller that allows you to print directly from a personal computer.

This User's Guide describes the printing functions, operations, usage, and safety precautions of the printer controller. In order to ensure that this machine is used efficiently, carefully read this manual before using the machine.

In order to ensure that this machine is used safely, carefully read "Installation and Operation Precautions" in the User's Guide [Copy Operations] before using the machine.

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About this User's Guide

This User's Guide contains information for using the printing functions of the Konica Minolta printer controller. For details on the copy functions, scanning functions, box functions, and fax functions, refer to the respective User's Guide.

This User's Guide is aimed at users who already have the basic knowledge of computer and copier operations. For Windows or Macintosh operating system and application operations, refer to the operation manual of the respective product.

200/250/350 User's Guides

The User's Guides for this machine are divided by function and consist of the following:

User's Guide	Description
Print Operations	This User's Guide. Read this guide when using this machine as a printer.
Print Operations Quick Guide	Read this guide when using this machine as a printer.
Network Scanner Operations	Read this guide when using this machine as a scanner.
Box Operations	Read this guide when using this machine's box functions.
Facsimile Operations	Read this guide when using the optional fax functions.
Advanced Scan Operations	Read this guide when using the optional scanner unit functions.

Notations

Product name	Description
KONICA MINOLTA 200/250/350 This machine	This machine, copier, or printer
Integrated network controller	Printer controller
Printer controller, including this machine, and printing system	Printing system
Microsoft Windows	Windows

Screen images in this User's Guide

Unless stated otherwise, the printer driver functions are described using the printer driver for Windows XP.

Using this User's Guide

Subject titles

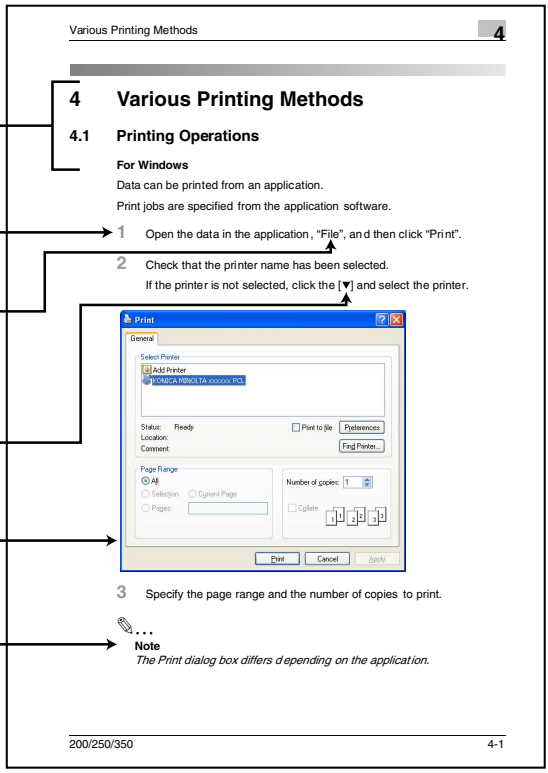
Explains the operation procedure.

Windows, dialog boxes, icons, and function names displayed on the screen are enclosed in " ".

Button names displayed on the screen are enclosed in [ ].

Contents displayed on a screen.

Additional explanation of the text is given.



Various Printing Methods 4

4 Various Printing Methods

4.1 Printing Operations

For Windows

Data can be printed from an application.

Print jobs are specified from the application software.

1 Open the data in the application, "File", and then click "Print".

2 Check that the printer name has been selected.

If the printer is not selected, click the [▼] and select the printer.

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

Note

The Print dialog box differs depending on the application.

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1 Overview

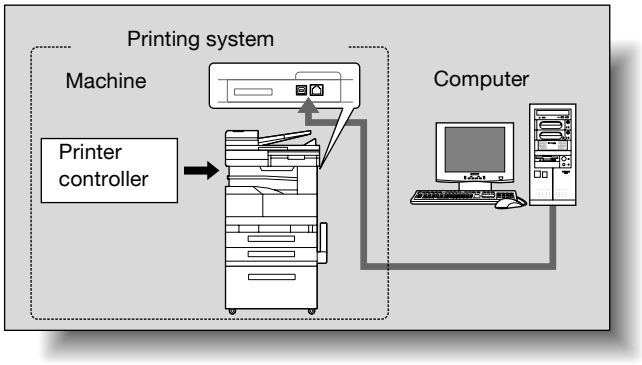
1.1 Printer controller

The printer controller is a device for performing printing functions and network printing functions with this machine.

Role of the printer controller

The printer controller is built into the machine.

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



Available printer controller functions

The printer controller provides the following functions.

- Printing from a computer (using a printer driver)
- Support of network protocols including TCP/IP, NetBEUI, IPX/SPX, and AppleTalk
- Direct printing over a network using Windows (SMB), LPR, and IPP printing
- Access to settings for this machine and the printer controller from a client computer over the network (using a Web browser)
- Control of the number of pages printed ("User Authentication" and "Account Track" function, excluding external server authentication)

...

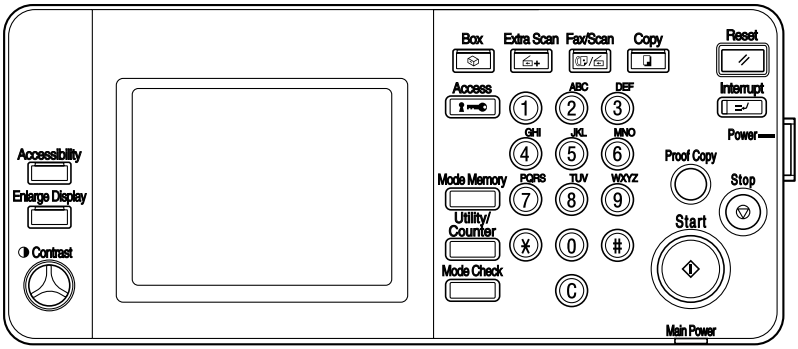
Note

Only the PCL printer driver can be used with Windows printing.

Machine modes

The printer driver settings are mainly set using a computer, however, the font list can be printed, and the printer controller settings and default print settings can be set using the control panel of this machine. In addition, fax and scanning operations can be used by switching the mode.

To switch between modes, press the mode keys on the control panel.



[Copy]
Switches to the copy mode.

[Fax/Scan]
Switches to the fax/scan mode.
To use the fax function, optional fax kit is required.

[Extra Scan]
Switches to the extra scan mode.
To use the extra scan function, optional fax kit or scanner unit is required.

[Box]
Switches to the box mode.

Detail

You can use this machine as a printer in all modes.

Change the default print settings in the Utility mode.

Printing flow

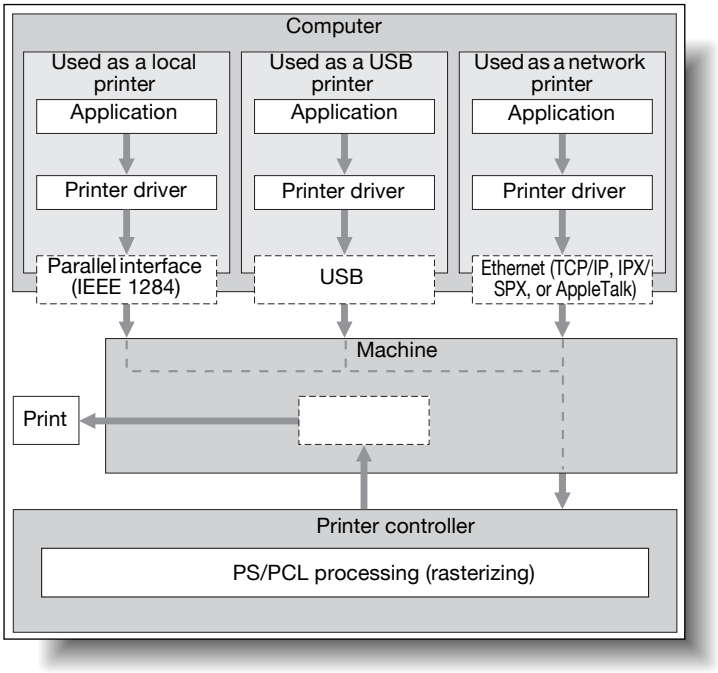
When using this printing system as a printer, the flow of the main process is described below.

Print commands transmitted from the application are received by the printer driver.

Data is transmitted to this machine over a parallel interface (IEEE 1284) when this machine is used as a local printer, over a USB interface when this machine is used as a USB printer, or over an Ethernet interface (TCP/IP, IPX/SPX, or AppleTalk) when this machine is used as a network printer. The printer controller then performs image rasterization (development of output characters and images to bitmap data). Finally, this data is printed from this machine.

Note

To connect the parallel interface, the optional local interface kit is required.



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

1.2 Operating environment

The system requirements for using this printing system and the interfaces used for connection are explained below.

Connectable computers and operating systems

Check that the computer being connected meets the following conditions.

Windows

Item	Operating environment
Operating system	Windows 98 SE, Windows Me, Windows NT 4.0 (Service Pack 6a or later), Windows 2000 Professional (Service Pack 4 or later), Windows XP Home Edition (Service Pack 2 or later), Windows XP Professional (Service Pack 2 or later), or Windows Server 2003
Processor	Pentium or higher
Memory	Capacity recommended for the operating system With sufficient memory resources in the operating system and application being used
Drive	CD-ROM
Web browser (when using PageScope Web Connection)	Windows 98 SE/Me/NT 4.0 Microsoft Internet Explorer 4 or later recommended Netscape Navigator 4.73 or 7.0 Windows 2000 Microsoft Internet Explorer 5 or later recommended Netscape Navigator 7.0 Windows XP Microsoft Internet Explorer 6 or later recommended Netscape Navigator 7.0 *If using Microsoft Internet Explorer 5.5, use Service Pack 1 or later.

Macintosh

Item	Operating environment
Operating system	Mac OS 9.2, Mac OS X 10.2, Mac OS X 10.3, or Mac OS X 10.4
Processor	PowerPC
Memory	Capacity recommended for the operating system
Drive	CD-ROM
Web browser (when using PageScope Web Connection)	Netscape Navigator 7.0

Connectable interfaces

The various interfaces that can be used to connect this printing system to a computer are described below.

Ethernet interface

Connect when using this printing system as a network printer.

Supports 10Base-T and 100Base-TX standards. In addition, the Ethernet interface supports the TCP/IP (LDP/LPR, peer-to-peer), IPX/SPX (NetWare), and AppleTalk (EtherTalk) protocols.

Parallel interface (optional)

Connect when using this printing system as a local printer.

A computer running Windows and an IEEE 1284 parallel cable are required for connection. Use a parallel cable that uses a terminal with an Amphenol 36-pin male connector.

The parallel interface supports the compatible, nibble, and ECP modes.

USB interface

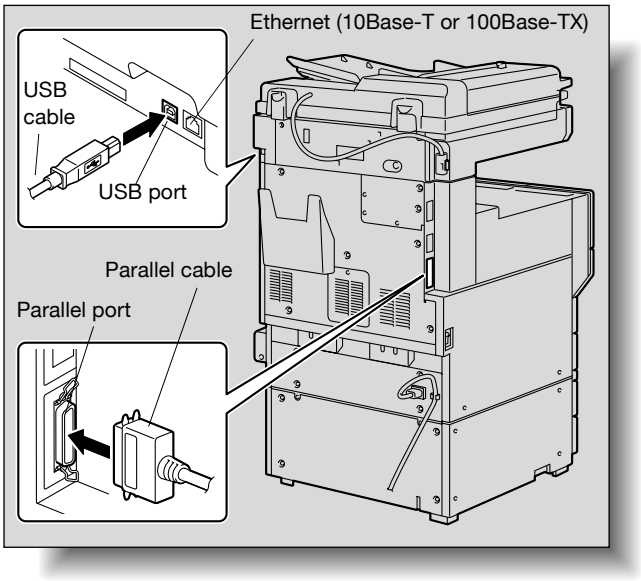
Connect when using this printing system as a network printer.

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 3 meters or less is recommended.

Connection diagram

The printer cables can be connected to each port at the back of this machine.

Machine (rear view)



Note

To connect this machine to a computer using a parallel connection, optional local interface kit is required.

1.3 Setting up the system

In order to use this printing system, it must first be set up.

Setup consists of connecting this machine to a computer and installing the printer driver onto the computer being used.

To set up the printing system

Setup the printing system as described below.

1 Connect this machine to a computer. (Refer to “Connectable interfaces” on page 1-5.)

2 Install the printer driver. (Refer to “Installing the printer driver” on page 2-1.)

3 When using a network connection, set up the network. (Refer to “Setting up network printing” on page 3-1.)

4 Check the setup by printing a test page. (Refer to “Test printing” on page 4-2.)

5 Install the screen fonts.

- The User Software CD-ROM and PostScript Printer Driver CD-ROM contain the Latin TrueType fonts as the screen fonts.
- Install the screen fronts after adding the operating system standard fonts.
- For details, refer to Help of the operating system.
- The screen fonts are located in the “Screenfont” or “Screenfonts” folder on the CD-ROM.
- To install the Macintosh fonts, install the fonts after decompressing them.

Installation of the printer driver may differ depending on the connection method used with this machine in addition to the operating system of the computer and the type of printer driver being used.

Detail

For details on connecting this machine to a computer, refer to "Connectable interfaces" on page 1-5.

Note

To update an existing printer driver, delete the existing printer driver first. For details, refer to "Uninstalling the printer driver" on page 2-15 and page 2-23.

If using the optional parallel interface, set the interface time settings and mode (Compatible, Nibble, or ECP) as necessary with the PageScope Web Connection and on the control panel. For details, refer to "Print tab - Local I/F" on page 10-60.

2 Installing the printer driver

2.1 Printer drivers and supported operating systems

In order to use this printing system, the printer driver must be installed. The printer driver is a program that controls the processing of data for output. Install the printer driver onto the computer from the provided CD-ROM.

The printer drivers included on the CD and the supported computer operating systems are listed below. Install the required printer driver.

Printer driver	Page description language	Supported operating systems
Konica Minolta PCL driver	PCL	Windows 98 SE, Windows Me, Windows NT 4.0 (Service Pack 6a or later), Windows 2000 Professional (Service Pack 4 or later), Windows XP Home Edition/Professional (Service Pack 2 or later) and Windows Server 2003
Konica Minolta (PostScript driver)	PostScript 3 emulation	Windows NT 4.0 (Service Pack 6a or later), Windows 2000 Professional (Service Pack 4 or later), Windows XP Home Edition/Professional (Service Pack 2 or later) and Windows Server 2003
PostScript PPD driver		Windows 98 SE and Windows Me
		Mac OS 9.2 or later, Mac OS X 10.2, Mac OS X 10.3, and Mac OS X 10.4

* The User Software CD-ROM contains the PCL printer driver, and the PostScript Printer Driver CD-ROM contains the PostScript drivers.

2.2 When used with Windows

The installation procedure for the Windows printer driver differs depending on how this machine is connected to the computer and depending on which printer driver is used. The installation method also differs depending on the version of Windows that you are using. Refer to the table below for the appropriate procedure for installing the printer driver on your computer.

Printer driver	Connection method	Refer to
Konica Minolta PCL driver Konica Minolta PostScript driver	All connection methods	“Automatic installation using the installer” on page 2-4
Konica Minolta PCL driver Konica Minolta PostScript driver PostScript PPD driver	Network connection	“Installing the printer driver using the Add Printer Wizard” on page 2-10 “For Windows 98 SE/Me/2000/NT 4.0” on page 2-13 “For Windows XP/Server 2003” on page 2-10
	Parallel connection	“Installing the printer driver using Plug and Play” on page 2-7 “For Windows 98 SE” on page 2-7 “For Windows Me/2000” on page 2-8 “For Windows XP/Server 2003” on page 2-9 “Installing the printer driver using the Add Printer Wizard” on page 2-10 “For Windows 98 SE/Me/2000/NT 4.0” on page 2-13 “For Windows XP/Server 2003” on page 2-10
	USB connection	“Installing the printer driver using Plug and Play” on page 2-7 “For Windows 98 SE” on page 2-7 “For Windows Me/2000” on page 2-8 “For Windows XP/Server 2003” on page 2-9

...

Note

For details on installing the printer driver in a network environment, refer to "Setting up network printing" on page 3-1. Because it is necessary to specify other network settings in advance when installing the printer driver using a network connection, install it using a local connection at this time.

To install the printer driver under Windows XP, Windows Server 2003, Windows 2000, or Windows NT 4.0, log on using a user name that is authorized by the administrator.

The printer driver can be installed using the Add Printer Wizard, however, if used, the Plug and Play screen will appear each time the computer is started.

To connect this machine to a computer using a parallel connection, the optional local interface kit is required.

Automatic installation using the installer

With the installer, this machine is detected to determine whether it is connected by USB or is on the same TCP/IP network as the computer, and then the required printer is automatically installed. You can also manually specify the printer driver to be installed.

Note

Since this machine is automatically detected with a network connection, be sure to set the IP address of this machine before connecting it. For details on specifying the settings, refer to "Setting the IP address for this machine" on page 3-6.

When installing on Windows NT 4.0, 2000, XP, or Server 2003, administrator permissions are required.

If the wizard starts up in order to add new hardware with a USB or parallel connection, click [Cancel].

For IPP printing, it is not necessary to install the printer driver at this time since IPP printing setup is performed when the printer driver is installed. For further details on IPP printing, refer to "IPP printing (Windows 2000/XP/Server 2003)" on page 3-18.

Installer operating environment

Item	Operating environment
Operating system	Windows 98 SE, Windows Me, Windows NT 4.0 (Service Pack 6a or later), Windows 2000 Professional (Service Pack 4 or later), Windows XP Home Edition (Service Pack 2 or later), Windows XP Professional (Service Pack 2 or later), or Windows Server 2003
Processor	Pentium 300 MHz or higher recommended
Memory	64 MB or more (128 MB or more recommended)

* With Windows NT 4.0, in order to install a machine that is connected directly to a network using the TCP/IP protocol, Microsoft TCP/IP Printing Service must first be installed on the computer being used.

To install the printer driver

1 Insert the Windows printer driver CD-ROM into the computer's CD-ROM drive.

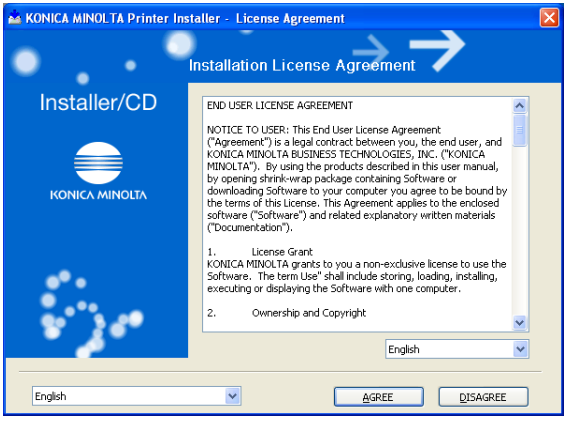
- For "User Software CD-ROM" (for the PCL driver), check that the installer starts up, and then proceed to step 2.
- For "PostScript Printer Driver CD-ROM (Win)" (for the PS driver), double-click "Driver\UserInst.exe" on the CD-ROM, and then proceed to step 3.

2 Click "Printer Install".

The installation of the printer driver starts.

3 Click the [AGREE] button if you agree with all terms and conditions of the license agreement.

- If you do not agree with the terms and conditions of the license agreement, the software cannot be installed.
- You can change the display language of the installer box in the lower-left corner.

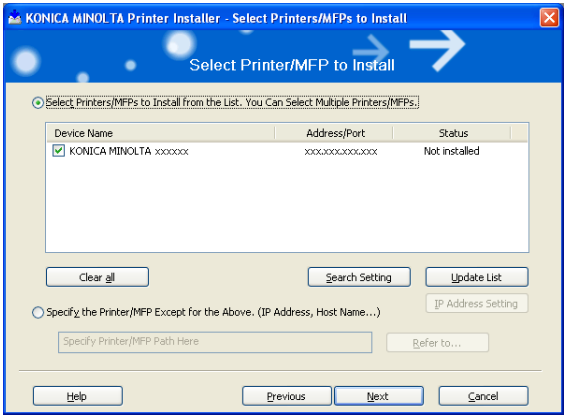


4 When the setup selection dialog box appears, click the [Install Printer] button, and then click the [Next] button.

The connected printers and copiers are detected.

5 Select this machine and proceed with the installation.
Follow the on-screen instructions to complete the installation.

– If the connection of this machine cannot be recognized or for parallel connections, the machine will not be listed. When this occurs, select “Specify the Printer/MFP Except for the Above. (IP Address, Host Name...)”, and then select the print from the box.



Installing the printer driver using Plug and Play

For Windows 98 SE

1 After using a parallel cable or a USB cable to connect this machine to a computer, turn the main power of this machine on.

– Do not disconnect or connect the cable while the computer is starting up.

2 Start the computer.

The Add New Hardware Wizard starts up.

3 Insert the Windows printer driver CD-ROM into the computer's CD-ROM drive.

– Konica Minolta PCL driver: User Software CD-ROM
– Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM

4 Click the [Next] button.

5 Select "Search for the best driver for your device (Recommended)", and then click the [Next] button.

6 Select "Specify a location", and then click the [Browse] button.

7 Specify the folder on the CD-ROM that contains the printer driver for the operating system that you are using, and then click the [OK] button.

– Konica Minolta PCL driver: User Software CD-ROM "Driver\Drivers\350_250_200" folder
– PostScript PPD driver: PostScript Printer Driver CD-ROM "Driver\PS-PPD" folder

8 Click the [Next] button, and then follow the on-screen instructions.

– If using a parallel connection, proceed to step 10.

9 The Add New Hardware Wizard dialog box appears again. Repeat steps 4 through 8.

10 When installation is complete, make sure that the icon of the installed printer appears in the Printers window.

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

This completes the printer driver installation.

For Windows Me/2000

1 After using a parallel cable or a USB cable to connect this machine to a computer, turn the main power of this machine on.

– Do not disconnect or connect the cable while the computer is starting up.

2 Start the computer.

The Add New Hardware Wizard starts up.

3 Insert the Windows printer driver CD-ROM into the computer's CD-ROM drive.

– Konica Minolta PCL driver: User Software CD-ROM
– Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM

4 Select "Search for a suitable driver for my device (recommended)" (for Windows Me, select "Automatic search for a better driver (Recommended)"), and then click the [Next] button.

5 For Windows 2000, select "Specify a location", and then click the [Next] button.
For Windows Me, select "Specify a Location", and then click the [Browse] button.

6 Specify the folder on the CD-ROM that contains the printer driver for the operating system that you are using, and then click the [OK] button.
Printer drivers that can be selected:

– For Windows Me
Konica Minolta PCL driver: User Software CD-ROM "Driver\Drivers\350_250_200" folder
PostScript PPD driver: PostScript Printer Driver CD-ROM "Driver\PS-PPD" folder
– For Windows 2000
Konica Minolta PCL driver: User Software CD-ROM "Driver\Drivers\350_250_200" folder
Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM "Driver\Drivers\350_250_200" folder

7 Click the [OK] button (for Windows Me, click the [Next] button), and then follow the on-screen instructions.

8 Click the [Finish] button.

9 When installation is complete, make sure that the icon of the installed printer appears in the Printers window.

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

This completes the printer driver installation.

For Windows XP/Server 2003

1 After using a parallel cable or a USB cable to connect this machine to a computer, turn the main power of this machine on.

– Do not disconnect or connect the cable while the computer is starting up.

2 Start the computer.

The Add New Hardware Wizard starts up.

3 Insert the Windows printer driver CD-ROM into the computer's CD-ROM drive.

– Konica Minolta PCL driver: User Software CD-ROM
– Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM

4 Select "Install from a list or specific location (Advanced)", and then click the [Next] button.

5 Under "Search for the best driver in these locations", select "Include this location in the search", and then click the [Browse] button.

6 Specify the folder on the CD-ROM that contains the printer driver for the operating system that you are using, and then click the [OK] button.

– Konica Minolta PCL driver: User Software CD-ROM "Driver\Drivers\350_250_200" folder
– Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM "Driver\Drivers\350_250_200" folder

7 Click the [Next] button, and then follow the on-screen instructions.

– When the Digital Signature dialog box appears, click the [Continue] button.

8 Click the [Finish] button.

9 When installation is complete, make sure that the icon of the installed printer appears in the Printers and Faxes window.

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

This completes the printer driver installation.

Installing the printer driver using the Add Printer Wizard

Note

For IPP printing, it is not necessary to install the printer driver at this time since IPP printing setup is performed when the printer driver is installed.

For further details on IPP printing, refer to "IPP printing (Windows 2000/XP/Server 2003)" on page 3-18.

For details on installing the printer driver in a network environment, refer to "Setting up network printing" on page 3-1. Because it is necessary to specify other network settings in advance when installing the printer driver using a network connection, install it using a local connection at this time.

For Windows XP/Server 2003

1 Insert the Windows printer driver CD-ROM into the computer's CD-ROM drive.

- Konica Minolta PCL driver: User Software CD-ROM
- Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM

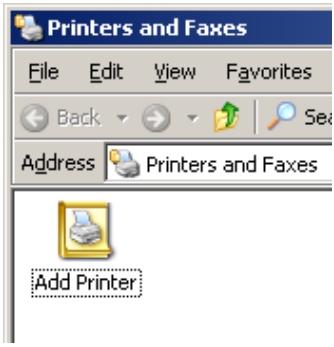
2 Click the [Start] button, and then click "Printers and Faxes".

- If "Printers and Faxes" does not appear in the Start menu, open the Control Panel from the Start menu, select "Printers and Other Hardware", and then select "Printers and Faxes".

3 For Windows XP, click “Add a printer” on the “Printer Tasks” menu.

– For Windows Server 2003, double-click the “Add Printer” icon.

Windows XP



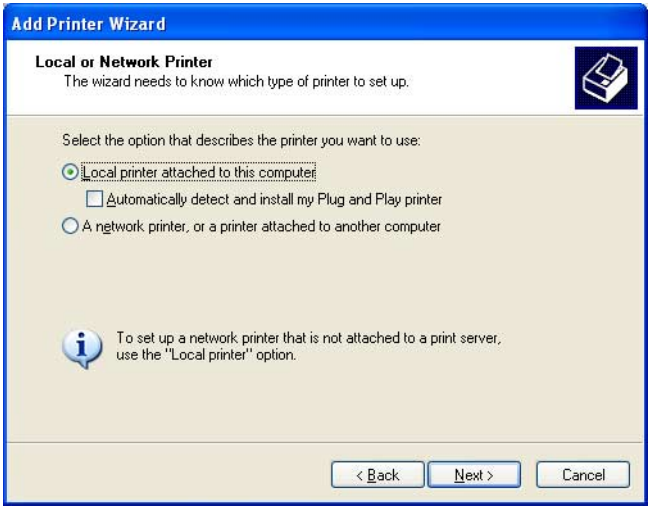
Windows Server 2003

The Add Printer Wizard starts up.

4 Click the [Next] button.

5 Select “Local printer attached to this computer”, and then click the [Next] button.

– Clear the “Automatically detect and install my Plug and Play printer” check box.



6 The Select Printer Port dialog box appears. Select “LPT1” here, and then click the [Next] button.

7 Click the [Have Disk] button.

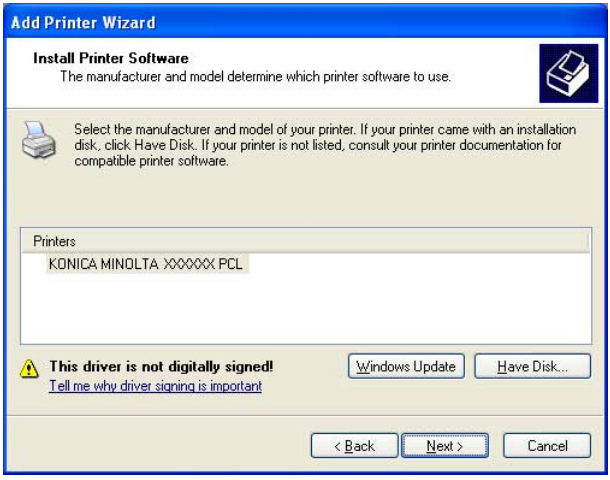
8 Click the [Browse] button.

9 Specify the folder on the CD-ROM that contains the printer driver for the operating system that you are using, and then click the [OK] button.

- Konica Minolta PCL driver: User Software CD-ROM “Driver\Drivers\350_250_200” folder
- Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM “Driver\Drivers\350_250_200” folder

10 Click the [OK] button.

The “Printers” list appears.



11 Click the [Next] button.

12 Follow the on-screen instructions.

- When the Digital Signature message appears, click the [Continue] button.
- When using a network connection, perform a test print after the network settings have been specified.

13 When installation is complete, make sure that the icon of the installed printer appears in the Printers and Faxes window.

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

This completes the printer driver installation.

For Windows 98 SE/Me/2000/NT 4.0

1 Insert the Windows printer driver CD-ROM into the computer's CD-ROM drive.

- Konica Minolta PCL driver: User Software CD-ROM
- Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM

2 Click the [Start] button, point to "Settings", and then click "Printers".

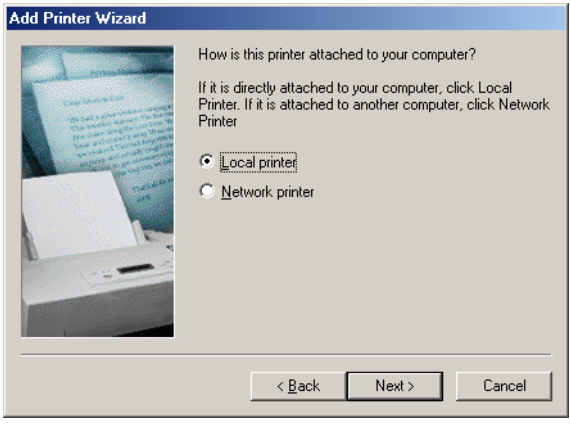
The Printers window appears.

3 Double-click the "Add Printer" icon.

The Add Printer Wizard starts up.

4 Follow the on-screen instructions.

5 On the screen for selecting the printer connection, select "Local Printer".



6 Click the [Next] button.

7 Click the [Have Disk] button.

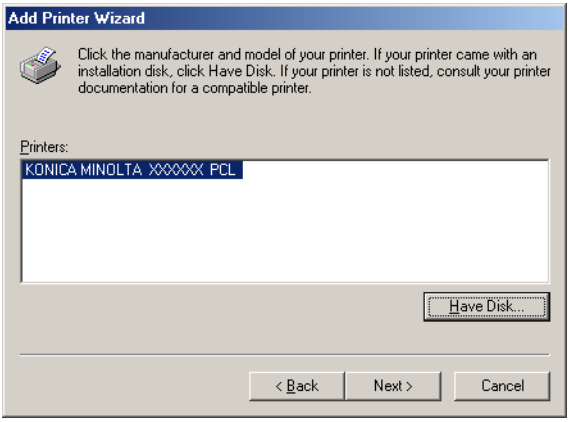
8 Click the [Browse] button.

9 Specify the folder on the CD-ROM that contains the printer driver for the operating system that you are using, and then click the [OK] button.

- For Windows 98 SE/Me
  Konica Minolta PCL driver: User Software CD-ROM “Driver\Drivers\350_250_200” folder
  PostScript PPD driver: PostScript Printer Driver CD-ROM “Driver\PS-PPD” folder
- For Windows 2000
  Konica Minolta PCL driver: User Software CD-ROM “Driver\Drivers\350_250_200” folder
  Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM “Driver\Drivers\350_250_200” folder
- For Windows NT 4.0
  Konica Minolta PCL driver: User Software CD-ROM “Driver\Drivers\350_250_200” folder
  Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM “Driver\Drivers\350_250_200” folder

10 Click the [OK] button.

The “Printers” list appears.



11 Click the [Next] button.

12 Specify the connection port. Select “LPT1” here.

13 Follow the on-screen instructions.

- When using a network connection, perform a test print after the network settings have been specified.

14 When installation is complete, make sure that the icon of the installed printer appears in the Printers window.

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

This completes the printer driver installation.

Uninstalling the printer driver

If it becomes necessary to delete the printer driver, for example, when you want to reinstall the printer driver, follow the procedure below to delete the driver.

1 For Windows 98 SE/Me/2000/NT 4.0, click the [Start] button, point to "Settings", and then click "Printers".
For Windows XP/Server 2003, click the [Start] button, and then click "Printers and Faxes".

– If "Printers and Faxes" does not appear in the Start menu, open the Control Panel from the Start menu, select "Printers and Other Hardware", and then select "Printers and Faxes".

2 In the Printers window (for Windows XP/Server 2003, Printers and Faxes window), select the icon of the printer that you want to delete.

3 Press the [Delete] key on the computer keyboard to delete the printer driver.

4 Follow the on-screen instructions.

– When the printer driver has been deleted, the printer icon will disappear from the Printers window (for Windows XP/Server 2003, Printers and Faxes window).

For Windows 98 SE/Me/NT 4.0, this completes the uninstallation procedure.
For Windows 2000/XP/Sever 2003, delete the driver from the server properties.

5 Click the "File" menu, and then click "Server Properties".

6 Click the Driver tab.

7 Select the printer driver to be deleted from the Installed Printer Drivers, and then click [Delete].

8 On the Deletion Confirmation dialog box, click the [Yes] button.

9 Close the Print Server Properties dialog box and Printers window (for Windows XP/Server 2003, “Printers and Faxes” window).

10 Restart the computer.

This completes the uninstallation procedure.

Note

Be sure to restart the computer.

Even if the printer driver is deleted using the method described above, the model information file will remain in the computer. Therefore, the driver may not be able to be overwritten when reinstalling the same version of the printer driver. When installing the same version of the printer driver, be sure to also delete the files described below.

Check the “C:\WINDOWS\system32\spool\drivers\w32x86” folder and delete the folder of the corresponding model if it is available. If the Konica Minolta PCL driver and Konica Minolta PostScript driver are both installed, the model information of both drivers is deleted. If one driver is remaining, do not delete it.

Delete the “oem.inf” and “oem*.PNF” files in the “C:\WINDOWS\inf” folder. (The asterisk (*) in the file name displays a number, and the number varies according to the environment of the computer.)*
Before deleting the files, open the INF file, check that the model name is described in the last several lines, and then check that the file of the corresponding model is available.
The PNF file is the same number as the INF file.

2.3 When used with Macintosh

Installation procedure of the Macintosh printer driver differs depending on the Mac OS version and printer driver being used. Refer to the table below for the appropriate procedure for installing the printer driver on your Macintosh computer.

Mac OS	Printer driver	Refer to
Mac OS X 10.2, Mac OS X 10.3, and Mac OS X 10.4	PostScript PPD	“Installing the printer driver” on page 2-17
Mac OS 9.2 or later	PostScript PPD	“Selecting a printer” on page 2-18

Installing the printer driver

For Mac OS X

1 Turn the Macintosh computer on.

2 Insert the Macintosh printer driver CD-ROM into the Macintosh computer’s CD-ROM drive.

- Quit all running applications that may have started when the Macintosh computer was turned on.

3 Open the “OS10_2_x” or “OS10_3_x” folder from “Driver”, which is located in a language folder on the CD-ROM.

4 Select the Mac OS version being used, and then copy the drive file onto the desktop.
Mac OS X 10.2: KONICAMINOLTA_350_102.pkg
Mac OS X 10.3: KONICAMINOLTA_350_103.pkg
Mac OS X 10.4: KONICAMINOLTA_350_103.pkg

5 Double-click the file copied onto the desktop.

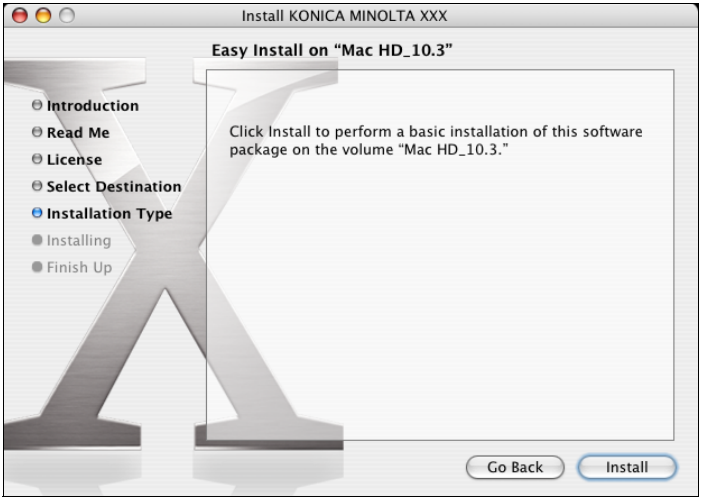
- Enter the requested administrator’s name and password.
- For the administrator’s name and password, ask your network administrator.
- To quite the installation, click the [Cancel] button.

6 Click the [Continue] button and follow the on-screen instructions until the Installation dialog box appears.

7 On the Easy Install dialog box, click the [Install] button.

– From the second time the printer driver is installed and thereafter, the [Installation] button may appear as the [Upgrade] button.

The printer driver is installed onto the Macintosh computer. When installation is complete, a message appears.



8 Click the [Close] button.

This completes the printer driver installation.
Next, select the printer.

Selecting a printer

For Mac OS X

After connecting this machine to a Macintosh computer, it can be used as a printer by selecting it in Print Center or the Printer Setup Utility as the printer to be used.

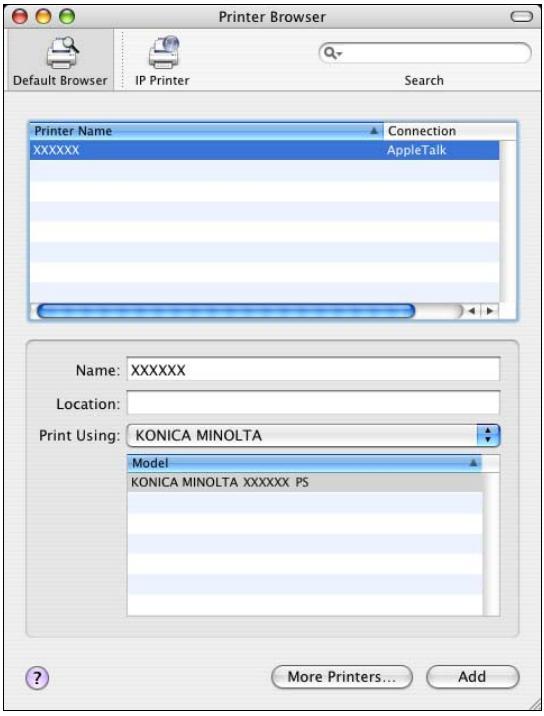
1 Open Print Center or Printer Setup Utility, located in "Applications"– "Utilities" of "Hard Disk".

2 When the Add Printer dialog box appears, click the [Add] button. When the printer list appears, click the [Add] button.

– For Mac OS X 10.4, proceed to step 3.
– For Mac OS X 10.2 and Mac OS X 10.3, proceed to step 4.
– If usable printers have already been set up, the Add Printer dialog box does not appear.

3 If this machine appears as a printer for AppleTalk connection, select “KONICA MINOLTA” in “Print Using”, select “KONICA MINOLTA 350/250/200PS” from the Model list, and then click the [Add] button.

– If the selected printer is registered in the printer list, this completes the setting procedure.
– When connecting with another connection method and this machine does not appear as a printer, click the [More Printers] button, and then proceed to step 4.



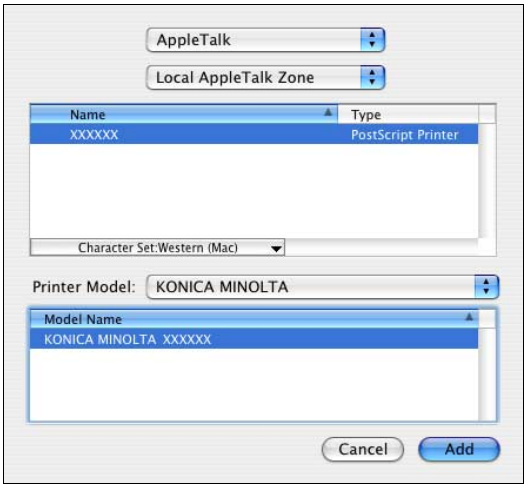
4 Select the applicable connection method and printer name.

– You can check the printer name from AppleTalk Configuration in PageScope Web Connection. For details, refer to “Printing with Macintosh” on page 3-32.
– When specifying “IPP” for the protocol in IP Printer, the text box for entering the queue name appears. For Mac OS 10.3, leave the queue name text box empty. For Mac OS 10.4, enter “ipp” in the queue name text box.

The following procedure is an example of when AppleTalk was selected by the connection method.

5 Select “KONICA MINOLTA” from the “Printer Model” drop-down list.

6 Select “KONICA MINOLTA 350/250/200 PS”, and then click the [Add] button.



The selected printer is registered in the printer list.

Note

If connecting using AppleTalk, the AppleTalk settings on this machine must be specified. For specifying the AppleTalk settings, refer to “Printing with Macintosh” on page 3-32.

For Mac OS 9.2

After connecting this machine, it can be used as a printer by selecting “PostScript printer” under “Chooser” and by specifying the printer description (PPD) File.

First, copy the printer description (PPD) file onto the Macintosh computer.

1 Insert the Macintosh printer driver CD-ROM into the Macintosh computer’s CD-ROM drive.

2 Open the “OS 9_x” folder from “Driver”, which is located in a language folder on the CD-ROM.

3 Select the PPD file “KONICAMINOLTA350Vxxx”, and then copy it into the “Printer Descriptions” folder in “System Folder”–“Extensions” of “Hard Disk”.

– Next, select a printer.
The printer driver can use a standard Macintosh LaserWriter.

4 On the Apple menu, click “Chooser”.

5 Make sure that “AppleTalk” is set to “Active”, and then click the [LaserWriter] icon.

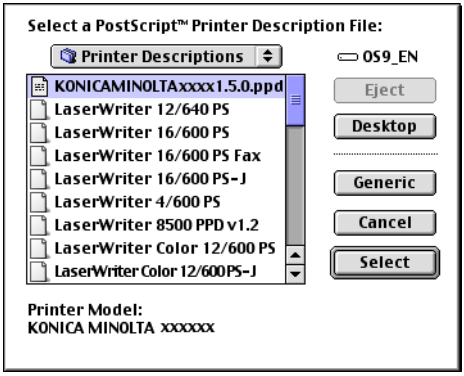
6 From the “Select a PostScript Printer” list, click the applicable printer for the printing system, and then click the [Create] button.

– You can check the printer name from AppleTalk Configuration in PageScope Web Connection.
For details, refer to “Printing with Macintosh” on page 3-32.
– If a different PPD file has already been selected, click the [Setup] button in step 6, and then click the [Select PPD] button from the screen that is already displayed.

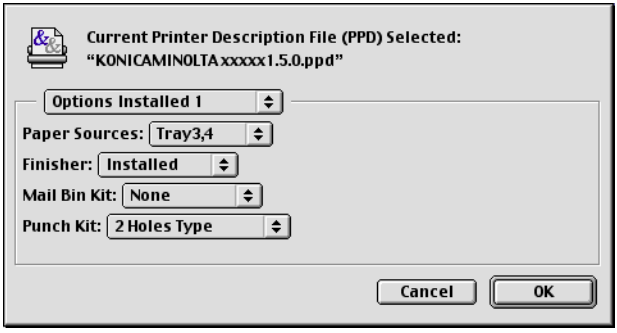
The PostScript printer description (PPD) file selection screen appears.

7 Select the applicable PPD file, and then click the [Select] button or [Open] button.

The setting screen for adding Options appears.



8 Select the options that are installed on this machine from “Options Installed 1” and “Options Installed 2”.



9 Click the [OK] button.

The Chooser window appears again.

10 Close the Chooser window.

Uninstalling the printer driver

If it becomes necessary to delete the printer driver, for example, when you want to reinstall the printer driver, follow the procedure below to delete the driver.

Note
Quit all running applications that may have started when the Macintosh computer was turned on.

For Mac OS X

1. Open Print Center or Printer Setup Utility, located in “Applications”–“Utilities” of “Hard Disk”.
2. Select the name of the printer to be deleted, and then click the [Delete] button.

   The selected printer is deleted.
3. Close the printer list.
4. Drag the following file, which is located in “Library”–“Printers”–“PPDs”–“Contents”–“Resources”–“en.lproj” of “Hard Disk”, to the “Trash” icon.

   – “KONICA MINOLTA 350.gz”
5. Delete the unnecessary files from “Library”–“Printers”.
6. For Mac OS 10.3/10.4, drag the “pstokm350” folder, which is located in “Library”–“Printers”–“KONICAMINOLTA”–“filter”, and the following folders, which are located in “Library”–“Printers”–“KONICAMINOLTA”–“PDEs”, to the “Trash” icon.

   – KONICAMINOLTA350 Finishing.plugin
   – KONICAMINOLTA350 ImageLayout.plugin
   – KONICAMINOLTA350 Security.plugin
   – KONICAMINOLTA350 Setup.plugin
7. For Mac OS 10.2, drag the following folders, which are located in “Library”–“Printers”–“PPD Plugins”, to the “Trash” icon.

   – KONICAMINOLTA350 Finishing.plugin
   – KONICAMINOLTA350 ImageLayout.plugin
   – KONICAMINOLTA350 Security.plugin
   – KONICAMINOLTA350 Setup.plugin

8 For Mac OS 10.2, enter “/usr” in “Move to”–“Move to folder”, move it to the “/usr” folder, and then drag the “pstokm350” folder, which is located in “libexec”–“cups”–“filter”, to the “Trash” icon.

9 Restart the Macintosh computer.

This completes the uninstallation procedure.

For Mac OS 9.2

1 Drag PPD file “KONICAMINOLTA350Vxxx”, which is located in “System Folder”–“Extensions”–“Printer Descriptions” of “Hard Disk”, to the “Trash” icon.

The related printer driver files are deleted.

2 Restart the Macintosh computer.

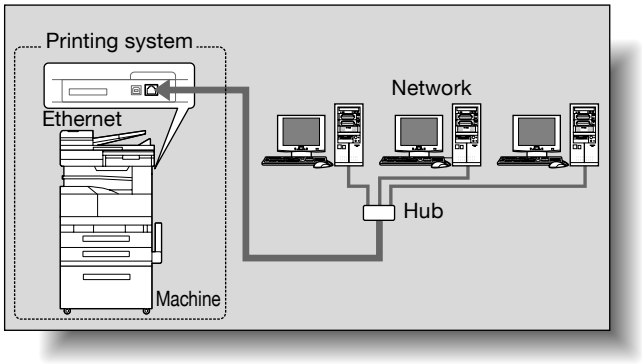
This completes the uninstallation procedure.

3 Setting up network printing

3.1 Overview of network functions

Network functions

By connecting this machine to a network through the Ethernet port, this printing system can be used as a network printer.



This printing system supports 10Base-T and 100Base-TX standards. In addition, the Ethernet interface supports the TCP/IP (LDP/LPR, IPP, Windows printing), NetBEUI (Windows printing), IPX/SPX (NetWare), and AppleTalk (EtherTalk) protocols.

Note
Only the PCL printer driver can be used with Windows printing.

Note
When setting up the network, the administrator password is required to enter Administrator mode.

Ask the administrator of this machine for the administrator password.

Features of the network functions

This printing system is equipped with the following network functions to flexibly support various network environments.

- Automatic selection of 10Base-T or 100Base-TX (Fast Ethernet)
- Supports multiple network protocols including TCP/IP, NetBEUI, IPX/SPX, and AppleTalk (EtherTalk)
- Supports Windows printing (SMB printing) from Windows 98 SE or Windows Me
- Supports LPD/LPR over TCP/IP from Windows NT 4.0, Windows 2000 or Windows XP
- Supports Novell NetWare Pserver and Rprinter (Nprinter)
- Supports the Novell NetWare print server functions and supports both bindery mode and Novell Directory Service (NDS)
- Acquires IP address automatically through DHCP

With Windows printing (Windows 98 SE/Me)

Windows printing is a printing method that does not require a dedicated print server on computers running Windows 98 SE or Windows Me.

Note
Only the PCL printer driver can be used with Windows printing.

With LPR (Windows NT 4.0/2000/XP)

You can print with LPD/LPR using Windows NT 4.0, Windows 2000, or Windows XP. Windows 98 SE and Windows Me cannot be used.

Detail
LPR (Line Printer Request): This print request system can be used under Windows NT 4.0, Windows 2000, or Windows XP. The queue name is input as "Print".

Port 9100 (Windows 98 SE/Me/2000/XP):

You can print (Raw print) using Port 9100 under Windows 98 SE, Windows Me, Windows 2000, or Windows XP.

Note

When using a Port 9100 connection under Windows 98 Second Edition or Windows Me, it may be necessary to install the Peer to Peer Printing Tool.

To obtain the Peer to Peer Printing Tool, consult the dealer where you purchased this machine.

With NetWare

The Novell NetWare 4.x—6 print server functions are supported.

You can connect this printing system to a network using Novell NetWare 4.x—6 as the network operating system and send print jobs from the client to the print server (network controller). The three modes supported are as follows:

- Nprinter
- Pserver
- NDS/NDPS

Note

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

With Macintosh

You can print from your Macintosh computer using LPR or AppleTalk.

You can connect this printing system to a print server in an AppleTalk environment and send print jobs from the Macintosh computer to this machine.

Network connection methods that can be selected in each Windows operating system

This chapter describes the settings that must be specified for network printing.

Setting procedures differ depending on the method of networking printing used (Windows, LPR, or IPP printing). Select the best method of network printing for your Windows environment.

Network printing from a Windows operating system

	Protocol used	Windows 98 SE	Windows Me	Windows 2000	Windows XP	Windows NT 4.0	Windows Server 2003
Windows printing	TCP/IP, NetBEUI	▲	▲	▲	▲	▲	▲
LPR printing	TCP/IP			○	○	○	○
IPP printing	TCP/IP			○	○		○
Port 9100 printing	TCP/IP	▲*	▲*	○	○		○

* When using Port 9100 printing under Windows 98 Second Edition or Windows Me, the Peer to Peer Printing Tool must be installed. For the details, refer to the table below.

Conditions when the Peer to Peer Printing Tool must be installed while using Port 9100

	Operating System			
	Windows 98SE/Me		Windows 2000/XP/2003	
Driver type	Using installer	Not using installer	Using installer	Not using installer
Konica Minolta PCL	Not required*1	Required	Not required*4	
Konica Minolta PostScript	- *2			
PostScript PPD	- *3	Required	- *2	

*1 If the printer driver is installed using the installer while this machine is connected to the network, the required Peer to Peer Printing Tool is also installed automatically, and Port 9100 is created.

*2 The printer driver is not compatible with the operating system.

*3 Installing the printer driver using the installer is not applicable.

*4 Not required since standard operating system functions are used.

To obtain the Peer to Peer Printing Tool, consult the dealer where you purchased this machine.

To specify the driver settings when installing the Peer to Peer Printing Tool, refer to “Port 9100 Printing (Windows 98 SE/Me/2000/XP/Server 2003)” on page 3-15.

When using Windows printing, you can perform network printing without installing the Peer to Peer Printing Tool software. For details, refer to “Windows printing” on page 3-10.

Note

Before setting up network printing, install the printer driver. For details, refer to “Installing the printer driver” on page 2-1.

To perform network printing, change the printer port for the installed printer driver to one for a network connection, and then change the settings on this machine as necessary. For an IPP connection, it is necessary to install the printer driver first.

Only the PCL printer driver can be used with Windows printing. If network printing with the PostScript printer driver, use LPR printing or Port 9100 printing.

Network printing in a NetWare environment

NetWare version	Protocol used	Emulation	Service mode
NetWare 4.x	IPX	NDS/Bindery	Pserver/Nprinter
NetWare 5.x/6	IPX	NDS	Pserver
	TCP/IP	NDPS(lpr)	

3.2 Setting the IP address for this machine

Use this machine's control panel to assign an IP address to this machine.

Note

When specifying network settings, follow the instructions of the network administrator.

Setting the IP address

1 Press the [Utility/Counter] key on this machine's control panel, touch [Admin. Management], and then enter the administrator password.

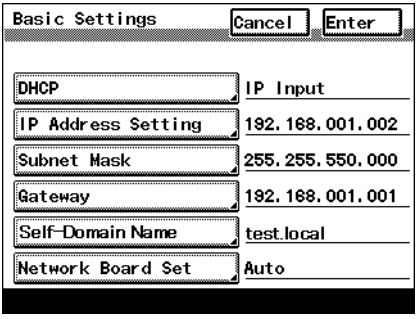
– The administrator password is required to enter Administrator mode. Ask the administrator of this machine for the administrator password.

2 Touch [Admin. 2].

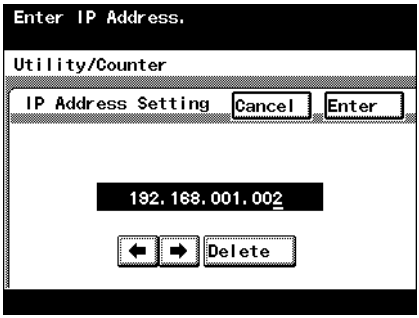
3 Touch [Network Settings].

4 Touch [Basic Setting].

5 Touch [IP Address Settings].



6 Enter the IP address, and then touch [Enter].



7 Touch [Subnet Mask] and enter the subnet mask address.

8 Touch [Gateway] and enter the default gateway address.

9 To apply the settings, restart this machine (turn the main power off, then on again).
Turn this machine back on to apply the IP address.

Reminder

When turning the machine off, then on again, wait about 10 seconds after turning the machine off before turning the machine on again. The settings may not be applied correctly if the machine is turned on immediately after it is turned off.

Detail

Although the IP address is entered without using the DHCP server in the procedure described here, it is also possible to automatically assign the IP address from the DHCP server. When "DHCP Configuration" is set to "Auto-Obtain", the IP address, subnet mask, and gateway address settings are automatically assigned from the DHCP server on the network, so it is not necessary to assign them manually. However, note the following when setting "DHCP Configuration" to "Auto-Obtain".

Check with the network administrator that the DHCP server exists. If the DHCP server does not exist, be sure to specify settings for "IP Address", "Subnet Mask", and "Gateway Address".

If the settings for the IP address and other items have been assigned using the DHCP server, there is a possibility that they may be automatically changed. When the settings for the IP address and other items are changed, if the IP address has been used to specify a printer on the network for printing, there is a possibility that printing may not be possible because this machine cannot communicate with the network. If "DHCP Configuration" has been set to "Auto-Obtain", it is recommended that the IP address assigned to this machine be fixed in the DHCP server settings.

3.3 Accessing PageScope Web Connection

Setting the IP address for this machine enables you to access PageScope Web Connection.

Use your Web browser to directly access PageScope Web Connection.

To access PageScope Web Connection

1 Start up the Web browser.

2 In the “Address” bar, enter the IP address for this machine as shown below, and then press the [Enter] key.

– http://<IP_address_for_this_machine>/
Example: If the IP address for this machine is 192.168.1.20
http://192.168.1.20/

The initial page of PageScope Web Connection appears.

Detail

For further details on PageScope Web Connection, refer to “Using PageScope Web Connection” on page 10-28.

3.4 Windows printing

You can use Windows printing (SMB printing) to print directly over the Microsoft network from computers running Windows 98 SE or Windows Me.

Note

Only the PCL printer driver can be used with Windows printing.

Operations on this machine

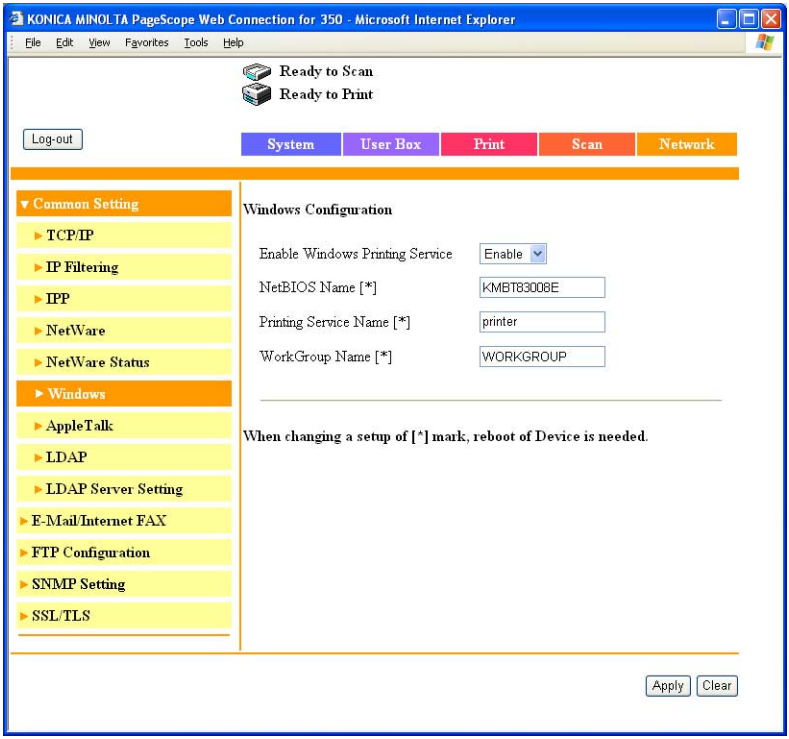
Set the IP address for this machine. For the setting procedure, refer to “Setting the IP address for this machine” on page 3-6.

In PageScope Web Connection, specify the settings described below for Windows printing.

1 Start up PageScope Web Connection.

2 Enter the administrator password, and then click [Log-in].

3 On the Network tab, click “Common Setting”, then “Windows”.



4 Specify settings for the following:

- Enable Windows Printing Service: Set whether to use the Windows printing service. Select “Enable” here.
- NetBIOS Name: Specify the NetBIOS name. Up to 15 of the following alphanumeric characters and symbols can be used.
  Uppercase and lowercase letters, numbers, hyphens (-), and underscores (_).
- Printing Service Name: Specify the printing service name. Up to 12 alphanumeric characters can be used, excluding the following characters.
  Spaces, backslashes (\), and commas (,).
- WorkGroup Name:Specify the work group name. Up to 15 alphanumeric characters can be used, excluding the following characters.
  \ * + = | : ; “ ? < > ,.

5 To apply the settings, restart this machine (turn the main power off, then on again).

Reminder

When turning the machine off, then on again, wait about 10 seconds after turning the machine off before turning the machine on again. The settings may not be applied correctly if the machine is turned on immediately after it is turned off.

Printer driver settings

For Windows 98 SE/Me

1 Click the [Start] button, point to “Settings”, and then click “Printers”.

2 Right-click the icon of the installed printer, and then click “Properties”.

3 On the Details tab, click the [Add Port] button.

4 Select “Network”, and then click the [Browse] button. In the network configuration window that appears, select the appropriate printer icon.

For Windows 2000/XP/NT 4.0/Server 2003

1 For Windows 2000/NT 4.0, click the [Start] button, point to “Settings”, and then click “Printers”. For Windows XP/Server 2003, click the [Start] button, and then click “Printers and Faxes”.

– If “Printers and Faxes” does not appear in the Start menu, open the Control Panel from the Start menu, select “Printers and Other Hardware”, and then select “Printers and Faxes”.

2 Right-click the icon of the installed printer, and then click “Properties”.

3 Click the [Add Port] button on the Ports tab, double-click “Local Port” or select “Local Port” and click the [New Port] button, and then enter “\\<NetBIOS_name>\<printing_service_name>”.

– Enter the same NetBIOS name and printing service name that you entered in PageScope Web Connection. For the setting procedure, refer to “Operations on this machine” on page 3-10.

4 Click the [Close] button to apply the setting.

3.5 LPR printing

The LPR print service is supported as standard in Windows 2000, Windows XP, Windows NT 4.0, and Windows Server 2003. TCP/IP is used as the network protocol.

Operations on this machine

Set the IP address for this machine. For the setting procedure, refer to “Setting the IP address for this machine” on page 3-6.

Printer driver settings

For Windows 2000/XP/Server 2003

1 For Windows 2000, click the [Start] button, point to “Settings”, and then click “Printers”.
For Windows XP/Server 2003, click the [Start] button, and then click “Printers and Faxes”.

– If “Printers and Faxes” does not appear in the Start menu, open the Control Panel from the Start menu, select “Printers and Other Hardware”, and then select “Printers and Faxes”.

2 Right-click the icon of the installed printer, and then click “Properties”.

3 On the Ports tab, click the [Add Port] button.

4 In the “Available Printer Ports” list, select “Standard TCP/IP Port”, and then click the [New Port] button.

5 When the Add Standard TCP/IP Printer Port Wizard starts up, click the [Next] button.

6 In the “Name of printer or IP address” box, enter the IP address for this machine, and then click the [Next] button.

7 Select “Custom”, and then click the [Settings] button.

8 Select “LPR”, enter “Print” in the “Queue Name” box.

– The uppercase letters and lowercase letters must be entered correctly.

9 For Windows XP, select “LPR Byte Counting Enabled”, and then click the [OK] button.

– If “LPR Byte Counting Enabled” is not selected, the data may not be printed.

10 Click the [Next] button, and then click the [Finish] button to apply the setting.

For Windows NT 4.0

1 Click the [Start] button, point to “Settings”, and then click “Printers”.

2 Right-click the icon of the installed printer, and then click “Properties”.

3 On the Ports tab, click the [Add Port] button.

4 In the “Available Printer Ports” list, select “LPR Port”, and then click the [New Port] button.

– If “LPR Port” is not in the list, click the [Start] button, point to “Control Panel”, and then click “Network”. Then, on the Service tab, click the [Add] button and install the Microsoft TCP/IP Printing service.

5 In the “Name or address of server providing lpd” box on the Add LPR Compatible Printer dialog box, enter the IP address for this machine.

6 In the “Name of printer or print queue on that server” box, enter “Print”.

– The uppercase letters and lowercase letters must be entered correctly.

7 Click the [OK] button to apply the setting.

3.6 Port 9100 Printing (Windows 98 SE/Me/2000/XP/Server 2003)

The Port 9100 print service is supported as standard in Windows 2000, Windows XP, and Windows Server 2003. TCP/IP is used as the network protocol. When using Port 9100 printing under Windows 98 Second Edition or Windows Me, it may be necessary to install the Peer to Peer Printing Tool. For details on the conditions when the Peer to Peer Printing Tool must be installed, refer to “Network printing from a Windows operating system” on page 3-4.

Operations on this machine

Set the IP address for this machine. For the setting procedure, refer to “Setting the IP address for this machine” on page 3-6.

Printer driver settings (Windows 2000/XP/Server 2003)

When using Port 9100 to print, change the printer driver port to the Port 9100 port.

1 For Windows 2000, click the [Start] button, point to “Settings”, and then click “Printers”.
For Windows XP/Server 2003, click the [Start] button, and then click “Printers and Faxes”.

– If “Printers and Faxes” does not appear in the Start menu, open the Control Panel from the Start menu, select “Printers and Other Hardware”, and then select “Printers and Faxes”.

2 Right-click the icon of the installed printer, and then click “Properties”.

3 On the Ports tab, click the [Add Port] button.

4 In the “Available Printer Ports” list, select “Standard TCP/IP Port”, and then click the [New Port] button.

5 When the Add Standard TCP/IP Printer Port Wizard starts up, click the [Next] button.

6 In the “Name of printer or IP address” box, enter the IP address for this machine, and then click the [Next] button.

7 Select “Custom”, and then click the [Settings] button.

8 Click [RAW], and then enter the RAW port number (default setting: 9100) in the Port Number box.

– If the RAW port number of this machine is changed, input the specified port number. When the RAW port is disabled in “TCP/IP Configuration”, printing cannot be performed. For details, refer to “Network tab - Common Setting - TCP/IP” on page 10-65.

9 Click the [Next] button, and then click the [Finish] button to apply the setting.

Installing the Peer to Peer Printing Tool to connect using Port 9100 (Windows 98SE/Me)

To connect using Port 9100 and to obtain the Peer to Peer Printing Tool, consult the dealer where you purchased this machine.

To connect to the network using Port 9100, specify the driver settings described below after installing the Peer to Peer Printing Tool.

Detail

To uninstall the Peer to Peer Printing Tool, delete the printer driver using the Peer to Peer port first, and then delete the Peer to Peer Tool in “Add or Remove Programs” in the “Control Panel”.

Note

If multiple printer drivers are connected to the network and use the Peer to Peer Printing Tool, all printer drivers connected to the network with the Peer to Peer Printing Tool can no longer be connected to the network if the Peer to Peer Printing Tool is uninstalled.

Printer driver settings when installing the Peer to Peer Printing Tool to connect using Port 9100 (Windows 98SE/Me)

When installing the Peer to Peer Printing Tool to connect using Port 9100 under Windows 98 Second Edition or Windows Me, the printer driver port must be changed to the Peer to Peer port.

1 Click the [Start] button, point to “Settings”, and then click “Printers”.

2 Right-click the icon of the installed printer, and then click “Properties”.

3 On the Details tab, click the [Add Port] button.

4 Click “Others”, select “KONICA MINOLTA Peer to Peer Port” from the list, and then click the [OK] button.

The Peer to Peer setup dialog box appears. The printer connected to the network is automatically detected.

5 Select the printer from the device list, enter the port number, and then click the “Add Port” button.

– Skip to step 8.
– If the desired printer does not appear in the device list, proceed to step 6.

6 Click the [Manual Setup] button.

7 Enter the TCP/IP or IPX setting for the network being connected, and then click the “Add Port” button.

– Skip to step 8.

8 Click the [OK] button on the confirmation screen.

– The port is added.

9 Click the [OK] button on the screen that appears.

3.7 IPP printing (Windows 2000/XP/Server 2003)

The IPP (Internet Printing Protocol) print service is supported as standard in Windows 2000, Windows XP, and Windows Server 2003. TCP/IP is used as the network protocol.

Operations on this machine

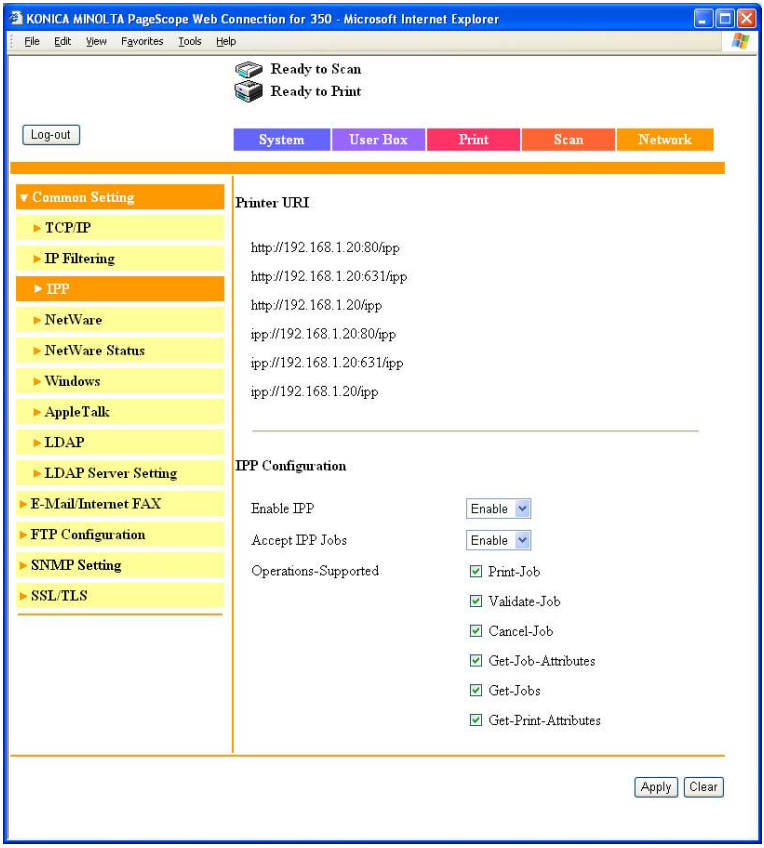
Set the IP address for this machine. For the setting procedure, refer to “Setting the IP address for this machine” on page 3-6.

Also, specify the IPP printing settings in PageScope Web Connection. (Printing can be performed with the default settings.)

1 Start up PageScope Web Connection.

2 Enter the administrator password, and then click [Log-in].

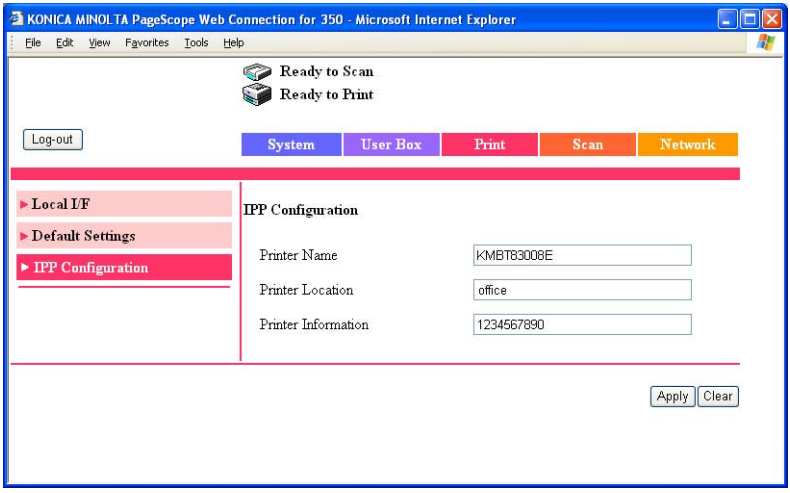
3 On the Network tab, click “Common Setting”, then “IPP”.



4 Specify settings for the following:

- Printer URI: The URI of the printer that can be used for IPP printing is displayed.
- Enable IPP: Set whether to perform IPP printing. Select “Enable” here.
- Accept IPP Jobs: Set whether to use the IPP reception function.
- Operations-Supported: Specify print operations supported by IPP.

5 On the Print tab, click “IPP Configuration”.



6 Specify settings for the following:

- Printer Name: Specify the printer name (up to 127 alphanumeric characters and symbols).
- Printer Location: Specify the printer location (up to 127 alphanumeric characters and symbols).
- Printer Information: Specify the printer manufacturer details (up to 127 alphanumeric characters and symbols).

Installing the printer driver

For IPP printing, reinstall the printer driver.

1 Insert the Windows printer driver CD-ROM into the computer’s CD-ROM drive.

- Konica Minolta PCL driver: User Software CD-ROM
- Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM

2 For Windows 2000, click the [Start] button, point to “Settings”, and then click “Printers”.
For Windows XP/Server 2003, click the [Start] button, and then click “Printers and Faxes”.

– If “Printers and Faxes” does not appear in the Start menu, open the Control Panel from the Start menu, select “Printers and Other Hardware”, and then select “Printers and Faxes”.

3 For Windows 2000/Server 2003, double-click the “Add Printer” icon.
For Windows XP, click “Add a printer” on the “Printer Tasks” menu.

The “Add Printer Wizard” starts up.

4 Click the [Next] button.

5 In the Local or Network Printer dialog box, select “Network printer”, and then click the [Next] button.

6 In the Locate Your Printer dialog box, select “Connect to a printer on the Internet or on your intranet”.

7 In the “URL” field, enter the URL for this machine in the following format, and then click the [Next] button.

– http://<IP_address_for_this_machine>/ipp
Example: If the IP address for this machine is 192.168.1.20
http://192.168.1.20/ipp

8 When the confirmation dialog box appears, click the [OK] button.

9 Click the [Have Disk] button.

10 Click the [Browse] button, specify the folder on the CD-ROM that contains the printer driver, and then click the [OK] button.

– Konica Minolta PCL driver: User Software CD-ROM “Driver\Drivers\350_250_200” folder
– Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM “Driver\Drivers\350_250_200” folder

11 Check that the printer name is displayed in the “Printers” list, and then click the [Next] button.

12 Select whether to set the printer as the default printer, and then click the [Next] button.

13 Click the [Finish] button to exit the Add Printer Wizard.

Once the settings for the printer have been specified, you can use the printer in the same way as a default local printer. Also, if you set up the printer for sharing in Windows, it can be used as a network printer by other Windows computers over the network.

3.8 Printing with NetWare

The printer controller supports the following environments.

Network printing in a NetWare environment

NetWare version	Protocol used	Emulation	Service mode
NetWare 4.x	IPX	NDS/Bindery	Pserver/Nprinter
NetWare 5.x/6	IPX	NDS	Pserver
	TCP/IP	NDPS(lpr)	

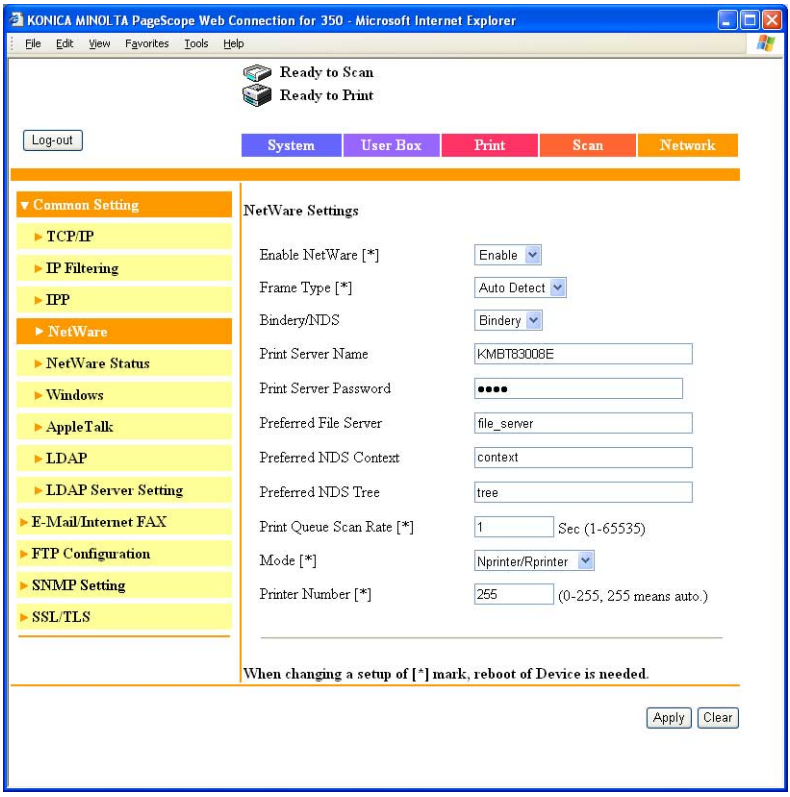
Note

Before using bindery emulation, check that bindery emulation is compatible with the NetWare server.

For Remote Printer mode with NetWare 4.x bindery emulation

1. From a client computer, log on with Supervisor permissions to access the NetWare server where the Pserver is registered.
2. Start up Pconsole.
3. From the “Available Options” list, select “Quick Setup”, and then click the [Enter] button.
4. Enter the appropriate names in the “Printer Server Name”, “Printer Name”, “Print Queue Name”, and “Print Queue Volume” fields, select “Other/Unknown” from the “Printer type” field, and then save the specified settings.
5. Click the [Esc] button to quit Pconsole.
6. Use the NetWare server console to load PSERVER.NLM.
7. For queue user privileges, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and specify settings as necessary.

8 In Administrator mode of PageScope Web Connection, select “Common Setting”, then “NetWare” from the Network tab, and then specify the following settings.



- Enable NetWare: Select “Enable”.
- Frame Type: Select “Auto Detect”. (Select the frame type according to the network environment.)
- Bindery/NDS: Select “Bindery”.
- Print Server Name: Specify the print server name created in step 4.
- Print Server Password: Specify only when setting from the NetWare server. (Displayed by “••••”.) If changing the password, delete “••••”, and then input the password.
- Preferred File Server: Specify the name of the file server that connects to the Pserver.
- Print Queue Scan Rate: Specify “1”. (Change as necessary.)
- Mode: Select “Nprinter/Rprinter”.
- Printer Number: Specify “255”. (Set the number assigned to the printer (0 to 254) or 255.)

9 Restart this machine (turn the main power off, then on again).

10 Use the NetWare server console to display the print server screen, and then check that the created printer is shown as “Waiting for Job” for the connected printer (0).

Reminder

When turning the machine off, then on again, wait about 10 seconds after turning the machine off before turning the machine on again. The settings may not be applied correctly if the machine is turned on immediately after it is turned off.

For Print Server mode with NetWare 4.x bindery emulation

Before using bindery emulation, check that bindery emulation is compatible with the NetWare server.

1 From a client computer, log on with Supervisor permissions to access the NetWare server where the Pserver is registered.

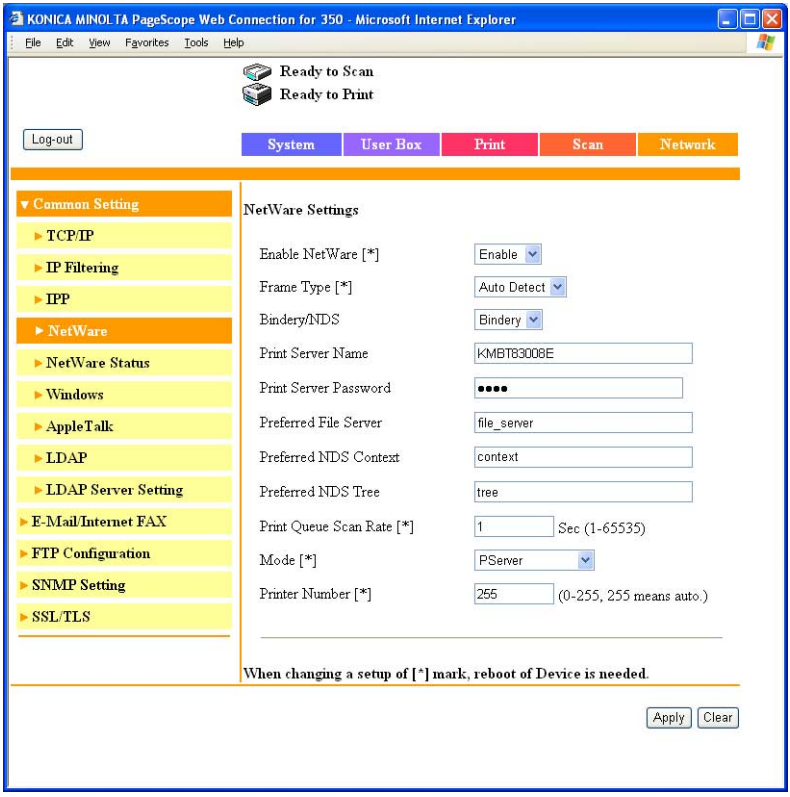
2 Start up Pconsole.

3 From the “Available Options” list, select “Quick Setup”, and then click the [Enter] button.

4 Enter the appropriate names in the “Printer Server Name”, “Printer Name”, “Print Queue Name”, and “Print Queue Volume” fields, select “Other/Unknown” from the “Printer type” field, and then save the specified settings.

5 Click the [Esc] button to quit Pconsole.

6 In Administrator mode of PageScope Web Connection, select “Common Setting”, then “NetWare” from the Network tab, and then specify the following settings.



- Enable NetWare: Select “Enable”.
- Frame Type: Select “Auto Detect”. (Select the frame type according to the network environment.)
- Bindery/NDS: Select “Bindery”.
- Print Server Name: Specify the print server name created in step 4.
- Print Server Password: Specify only when setting from the NetWare server. (Displayed by “••••”.) If changing the password, delete “••••”, and then input the password.
- Preferred File Server: Specify the name of the file server that connects to the Pserver.
- Print Queue Scan Rate: Specify “1”. (Change as necessary.)
- Mode: Select “PServer”.
- Printer Number: Specify “255”. (Set the number assigned to the printer (0 to 254) or 255.)

7 Restart this machine (turn the main power off, then on again).

8 Use the NetWare server console to load MONITOR.NLM.

9 Select the connection information and, in the active connection column, check that the created Pserver is connected.

...

Reminder

When turning the machine off, then on again, wait about 10 seconds after turning the machine off before turning the machine on again. The settings may not be applied correctly if the machine is turned on immediately after it is turned off.

For NetWare 4.x Remote Printer mode (NDS)

1 Log on to NetWare as an administrator from a client computer.

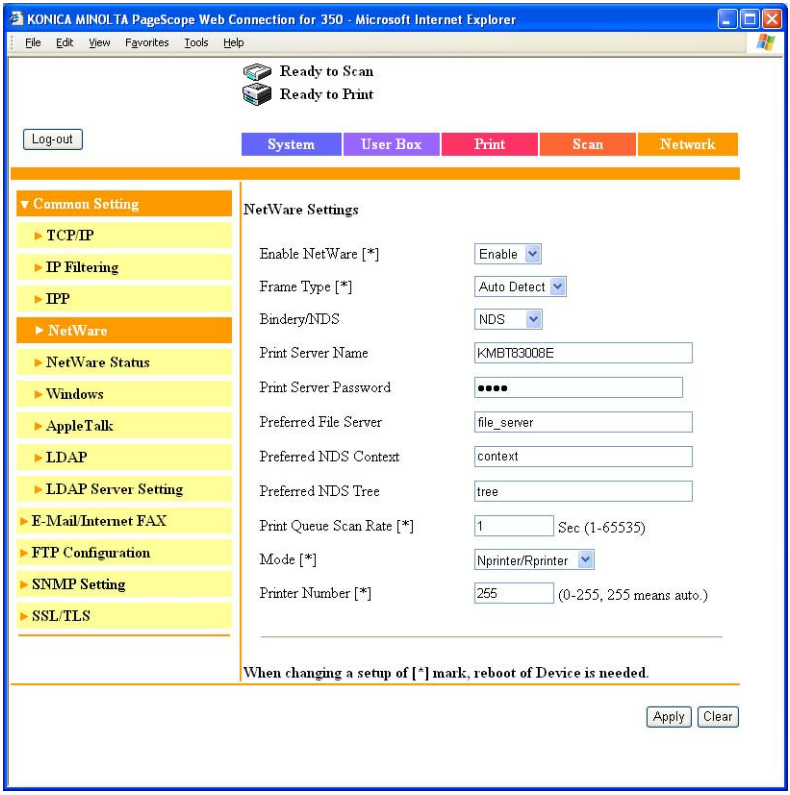
2 Start up NWadmin.

3 Select either the organization or organizational unit container that offers the print service, and then click “Print Services Quick Setup” on the “Tools” menu.

4 Enter the appropriate names in the “Printer Server Name”, “Printer Name”, “Print Queue Name”, and “Print Queue Volume” fields, select “Other/Unknown” from the “Printer type” field, and then save the specified settings.

5 For queue user privileges, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and specify settings as necessary.

6 In Administrator mode of PageScope Web Connection, select “Common Setting”, then “NetWare” from the Network tab, and then specify the following settings.



- Enable NetWare: Select “Enable”.
- Frame Type: Select “Auto Detect”. (Select the frame type according to the network environment.)
- Bindery/NDS: Select “NDS”.
- Print Server Name: Specify the print server name created in step 4.
- Print Server Password: Specify only when setting from the NetWare server. (Displayed by “••••”.) If changing the password, delete “••••”, and then input the password.
- Preferred NDS Context: Specify the name of the context that connects to Pserver.
- Preferred NDS Tree: Specify the name of the tree that Pserver logs on to.
- Print Queue Scan Rate: Specify “1”. (Change as necessary.)
- Mode: Select “Nprinter/Rprinter”.
- Printer Number: Specify “255”. (Set the number assigned to the printer (0 to 254) or 255.)

7 Restart this machine (turn the main power off, then on again).

8 Use the NetWare server console to load PSERVER.NLM.

9 Use the NetWare server console to display the print server screen, and then check that “XXX” (created printer) is shown as “Waiting for Job” for the connected printer (0).

Reminder

When turning the machine off, then on again, wait about 10 seconds after turning the machine off before turning the machine on again. The settings may not be applied correctly if the machine is turned on immediately after it is turned off.

For NetWare 4.x/5.x/6 Print Server mode (NDS)

To use the Print Server mode, IPX protocol must be loaded on the NetWare server.

1 Log on to NetWare as an administrator from a client computer.

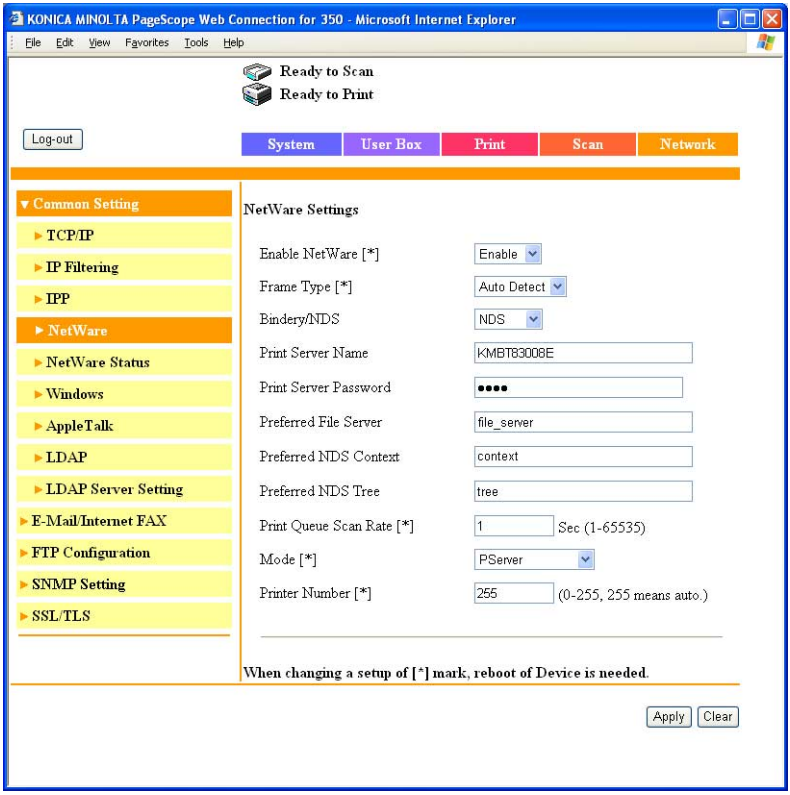
2 Start up NWadmin.

3 Select either the organization or organizational unit container that offers the print service, and then click “Print Services Quick Setup (non-NDPS)” on the “Tools” menu.

4 Enter the appropriate names in the “Printer Server Name”, “Printer Name”, “Print Queue Name”, and “Print Queue Volume” fields, select “Other/Unknown” from the “Printer Type” field, and then click the [Create] button.

5 For queue user privileges, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and specify settings as necessary.

6 In Administrator mode of PageScope Web Connection, select “Common Setting”, then “NetWare” from the Network tab, and then specify the following settings.



- Enable NetWare: Select “Enable”.
- Frame Type: Select “Auto Detect”. (Select the frame type according to the network environment.)
- Bindery/NDS: Select “NDS”.
- Print Server Name: Specify the print server name created in step 4.
- Print Server Password: Specify only when setting from the NetWare server. (Displayed by “••••”.) If changing the password, delete “••••”, and then input the password.
- Preferred NDS Context: Specify the name of the context that connects to Pserver.
- Preferred NDS Tree: Specify the name of the tree that Pserver logs on to.
- Print Queue Scan Rate: Specify “1”. (Change as necessary.)
- Mode: Select “PServer”.
- Printer Number: Specify “255”. (Set the number assigned to the printer (0 to 254) or 255.)

7 Restart this machine (turn the main power off, then on again).

8 Use the NetWare server console to load MONITOR.NLM.

9 Select the connection information and, in the active connection column, check that the created Pserver is connected.

Reminder

When turning the machine off, then on again, wait about 10 seconds after turning the machine off before turning the machine on again. The settings may not be applied correctly if the machine is turned on immediately after it is turned off.

For NetWare 5.x/6 Novell Distributed Print Service (NDPS)

Before specifying settings for NDPS, check that the NDPS broker and NDPS manager have been created and loaded.

Also, before performing the following procedure, check that the TCP/IP protocol has been set in the NetWare server, and check that the IP address has been set for this machine and that this machine is on.

1 Log on to NetWare as an administrator from a client computer.

2 Start up NWadmin.

3 Right-click the organization or organizational unit container where you will create the printer agent, and then click “NDPS Printer” on the “Create” sub-menu.

4 In the “NDPS Printer Name” box, enter the printer name.

5 In the “Printer Agent Source” column, select “Create a New Printer Agent”, and then click the [Create] button.

6 Check the printer agent name, and then in the “NDPS Manager Name” box, browse through the NDPS manager names, and register one.

7 In “Gateway Types”, select “Novell Printer Gateway”, and then register it.

8 In the Configure Novell DPS for Printer Agent window, select “(None)” for the printer type and “Novell Port Handler” for the port handler type, and then register the settings.

9 In “Connection type”, select “Remote (LPR on IP)”, and then register it.

10 Enter the IP address set for this machine as the host address, enter "Print" as the printer name, and then click the [Finish] button to register the settings.

11 The printer driver registration screen appears. Select "None" for each operating system to complete the registration.

Note

For settings for the queue user rights, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and set them as necessary.

Setting up a client (Windows) settings when using the NetWare server

1 For Windows 98 SE/Me/2000/NT 4.0, click the [Start] button, point to "Settings", and then click "Printers".
For Windows XP/Server 2003, click the [Start] button, and then click "Printers and Faxes".

– If "Printers and Faxes" does not appear in the Start menu, open the Control Panel from the Start menu, select "Printers and Other Hardware", and then select "Printers and Faxes".

2 For Windows 98 SE/Me/2000/NT 4.0/Server 2003, double-click the "Add Printer" icon.
For Windows XP, click "Add a printer" on the "Printer Tasks" menu.
The "Add Printer Wizard" starts up.

3 In the port settings, browse the network, and specify the name of the created queue (or NDPS printer name).

4 In the "Printer Model" list, specify the folder on the CD-ROM that contains the operating system and printer driver to be used.

– For Windows 98 SE/Me
Konica Minolta PCL driver: User Software CD-ROM "Driver\Drivers\350_250_200" folder
PostScript PPD driver : PostScript Printer Driver CD-ROM "Driver\PS-PPD" folder
– For Windows NT 4.0/2000/XP/Server 2003
Konica Minolta PCL driver: User Software CD-ROM "Driver\Drivers\350_250_200" folder
Konica Minolta PostScript driver: PostScript Printer Driver CD-ROM "Driver\Drivers\350_250_200" folder

5 Follow the on-screen instructions to complete the installation.

3.9 Printing with Macintosh

Operations on this machine

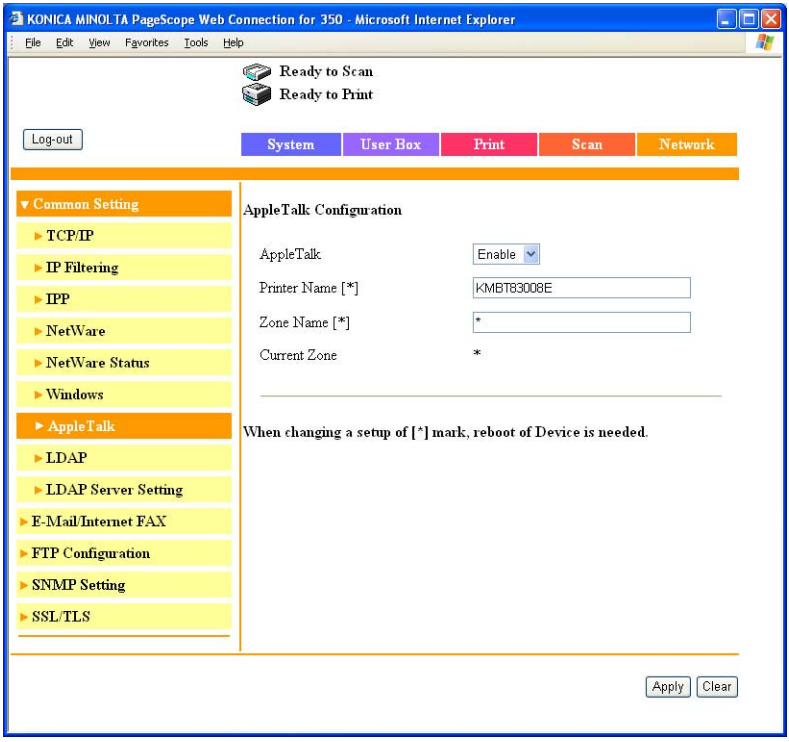
Set the IP address for this machine. For the setting procedure, refer to “Setting the IP address for this machine” on page 3-6.

In the PageScope Web Connection, specify the settings described below for AppleTalk.

1 Start up PageScope Web Connection.

2 Enter the administrator password, and then click [Log-in].

3 On the Network tab, click “Common Setting”, then “AppleTalk”.



4 Specify settings for the following:

- AppleTalk: Set whether to use AppleTalk. Select “Enable” here.
- Printer Name: Specify the printer name (up to 31 alphanumeric characters and symbols, excluding = ~).
- Zone Name: Specify the zone being connected to (up to 31 alphanumeric characters and symbols, excluding = ~).

5 To apply the settings, restart this machine (turn the main power off, then on again).

Reminder

When turning the machine off, then on again, wait about 10 seconds after turning the machine off before turning the machine on again. The settings may not be applied correctly if the machine is turned on immediately after it is turned off.

Setting the Macintosh computer

Use the Macintosh computer that is connected to specify the TCP/IP and AppleTalk settings.

Note

For network settings, consult the network administrator.

For printer driver installation, refer to "Installing the printer driver" on page 2-1.

For Mac OS X

1 On the Apple menu, select "System Preferences".

2 Click the "Network" icon.

3 From "Show", select "Built-in Ethernet".

4 Click the TCP/IP tab.

5 Select the items from "Configure" that correspond to the network settings for the Macintosh computer that is connected to the network, and then set the IP address and subnet mask.

6 If using an AppleTalk connection, click the AppleTalk tab, and then check that the "Make AppleTalk Active" check box is selected.

7 Click the close button at the top left of the dialog box.

The "Apply configuration changes?" message appears.

8 Click the [Apply] button.

The AppleTalk and Ethernet settings are saved.

For Mac OS 9.2

1 On the Apple menu, point to “Control Panel”, and then click “AppleTalk”.

2 From the “Connect via” drop-down list, select “Ethernet”.

3 On the Apple menu, point to “Control Panel”, and then click “TCP/IP”.

4 From the “Connect via” drop-down list, select “Ethernet”.

5 Select the items from “Configure” that correspond to the network settings for the Macintosh computer that is connected to the network, and then set the IP address and subnet mask.

6 Click the close button at the top left of the dialog box.

The “Save changes to the current configuration?” message appears.

7 Click the [Save] button.

4 Various printing methods

4.1 Printing operations

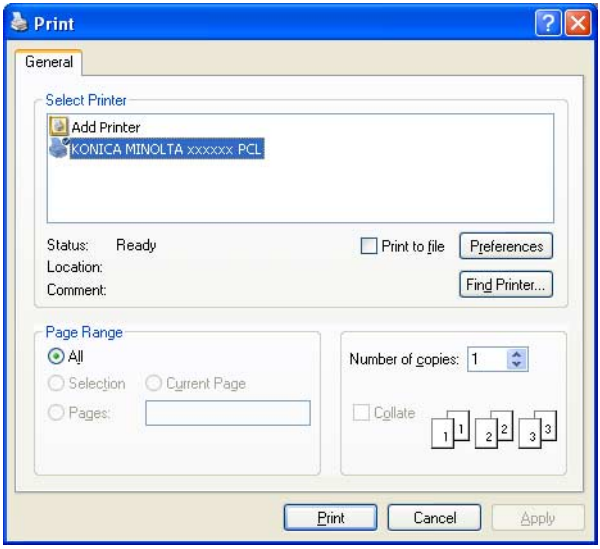
For Windows

Printing is possible when the printer driver is installed and the network settings have been specified. Print jobs are specified from the application software.

1 Open the data in the application, click [File], then 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.

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

– For the PPD driver, the settings specified on this machine have precedence if multiple copies are specified in “Default Set” of this machine.

4 Click the [Preferences] button or the [Properties] button to change the printer driver settings as necessary.

– By clicking the [Preferences] button or the [Properties] button on the Print dialog box, you can specify the settings of each model on the printer driver dialog box that appears. For details, refer to “Setting up the PCL driver” on page 5-1, “Setting up the PostScript driver (Windows)” on page 6-1, or “Setting up the PPD driver (Windows)” on page 7-1.

5 Click the [Print] button.

The Data indicator of this machine flashes.

Note

Changes made to the printer driver settings on the Print dialog box are not saved. When the application is exited, the settings return to their default settings.

Do not the select the “Collate” check box on the Print dialog box.

Test printing

Printing is possible when the printer driver is installed and the network settings have been specified. To check that connection has been made properly, you can print the standard Windows test page.

Print a test page from the printer driver Properties dialog box.

1 For Windows 98 SE/Me/2000/NT 4.0, click the [Start] button, point to “Settings”, and then click “Printers”.
For Windows XP/Server 2003, click the [Start] button, and then click “Printers and Faxes”.

– If “Printers and Faxes” does not appear in the Start menu, open the Control Panel from the Start menu, select “Printers and Other Hardware”, and then select “Printers and Faxes”.

2 Right-click the icon of the installed printer, and then click “Properties”.

3 Click the General tab, and then click the [Print Test Page] button or the [Print Test] button.

The test page is printed and the confirmation dialog box appears.

4 Check the printout, and then click the [OK] button or the [Yes] button.

Note

If the test page is not printed properly, check that the printer driver has been installed properly and that the network settings are complete.

For Macintosh

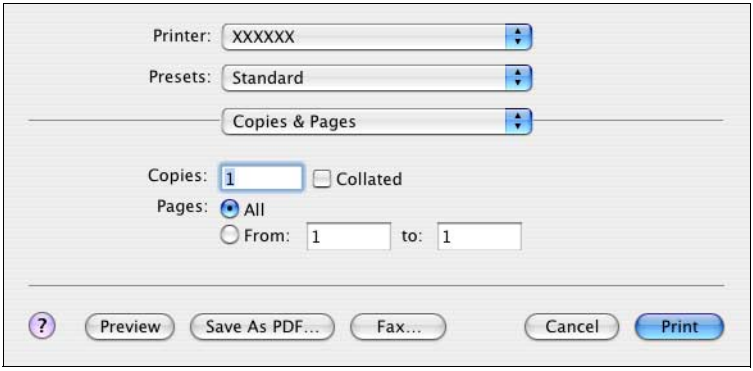
Printing is possible when the printer driver is installed and the network settings have been specified. Print jobs are specified from the application software.

For Mac OS X

1 Open the data in the application, choose [File], and then click “Print”.

– For Mac OS X 10.3.x, printing speed may be slower for some applications if you print by clicking “Print”. Always select “Print” from the “File” menu to print data.

2 Check that the printer name has been selected.



3 Specify the print range and the number of copies to print, and then click the [Print] button.

– The settings specified on this machine have precedence if multiple copies are specified in “Default Set” of this machine.

The Data indicator of this machine flashes.

Note

If the printer name does not appear in the list, select the printer in Print Center or the Print Setup Utility. For details, refer to “Selecting a printer” on page 2-18.

The Print dialog box differs depending on the application.

Do not the select the “Collated”check box on the Print dialog box.

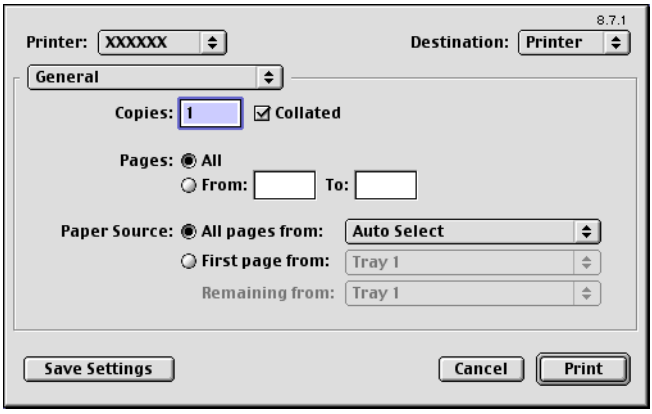
For Mac OS X 10.2.x, printing speed may be slower if the data contains colors.

For Mac OS 9.2

1 Open the data in the application, choose [File], and then click “Print”.

2 Check that the printer name has been selected.

3 Select “General”.



4 Specify the print range and the number of copies to print, and then click the [Print] button.

– The settings specified on this machine have precedence if multiple copies are specified in “Default Set” of this machine.

The Data indicator of this machine flashes.

Note

If the printer name does not appear in the list, select the printer in the Chooser window. For details, refer to “Selecting a printer” on page 2-18.

The Print dialog box differs depending on the application.

The settings can be saved by clicking the [Save Settings] button.

4.2 Setting the printing functions

The functions of this machine such as sorting and folding can be set when printing from a computer. Depending on the operating system running on the connected computer, the setting procedure of this machine's functions may differ.

Function list

The function list contains a summary of the main settings related to printing and printer driver support.

Note

The function names in this list are based on those displayed by the PCL printer driver in Windows XP. In addition, the items and setting values displayed may differ depending on whether the options are installed or the settings are available.

Function	Overview	Printer driver		
		PCL	Post-Script	PPD
Orientation	Selects the print orientation.	○	○	○
Original Size	Specifies the size of the original document.	○	○	
Output Size	Specifies the output paper size.	○	○	○
Zoom	Prints enlarged or reduced.	○	○	○
Paper Source	Selects the paper source for printing.	○	○	○
Paper Type Settings	Specifies the paper type of the paper source.	○	○	○
Binding Position	Selects the binding position.	○	○	○
Print Type	Selects the print type (simplex, duplex, or booklet).	○	○	○
Combination	Prints multiple pages on one page.	○	○	○
File Margin	Sets margins for punch holes and staples.	○		
Staple	Staples documents.	○	○	○
Center Staple and Fold	Folds the printouts in half and staples.	○	○	○
Hole-Punch	Punches holes in documents.	○	○	○
Output Method (Job Management)	For non-conventional printing, selects the special output format for secured documents or saves data in a box.	○	○	(Mac OS X only)

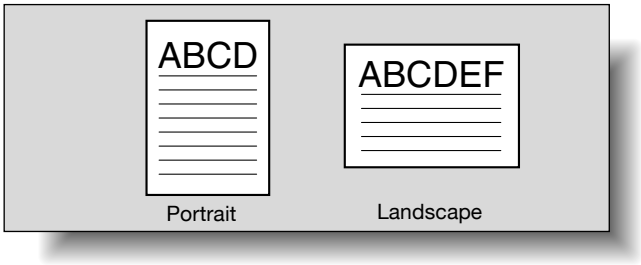
Function	Overview	Printer driver		
		PCL	Post-Script	PPD
Copies	Specifies the number of copies to print.	○	○	○
Output Tray	Selects the tray where to output the printed pages.	○	○	○
Collate	Specifies whether to print multiple copies in sets.	○	○	○
Offset	When printing multiple copies, shifts the output position of each set.	○	○	○
Skip Blank Pages	Does not print blank pages in the data.	○		
Front Cover Page	Attaches a front cover page.	○	○	○
Back Cover Page	Attaches a back cover page.	○	○	○
Transparency Interleave	Inserts interleaves between overhead projector transparencies.	○	○	○
Per Page Setting	Switches the paper and trays per page.	○		
Overlay	Prints the original document on top of form data that was created separately.	○		
Watermark	Prints a watermark (text stamp) on the page being printed.	○	○	
Distribution Number Stamping	Prints the number of the copy.	○		
Use Printer Fonts	Specifies the replacement of TrueType fonts with printer fonts.	○	○	○
User Authentication	Printing is performed after the registered user name and password are entered.	○	○	(Mac OS X only)
Account Track	Tracks operations performed by each account.	○	○	(Mac OS X only)

Function overview

An overview of each function is summarized in this section.

Orientation

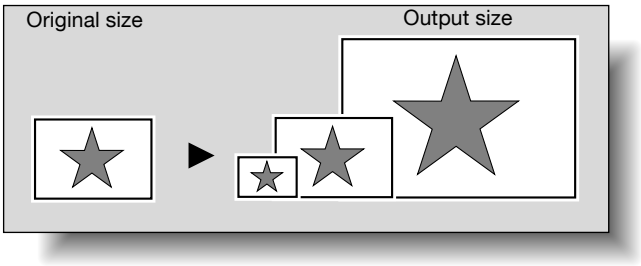
You can specify “Portrait” or “Landscape” as the orientation of the page being printed.



Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta PostScript	“Specifying the Setup tab settings” on page 6-7.
	PostScript PPD	“Specifying the Paper tab settings” on page 7-4.
Mac OS X	PostScript PPD	“Page Attributes (basic settings)” on page 9-5.
Mac OS 9.2		“Page Attributes (basic settings)” on page 8-5.

Original Size and Output Size

You can specify the original document size and the output paper size. By specifying each size, you can specify the enlargement and reduction ratio.



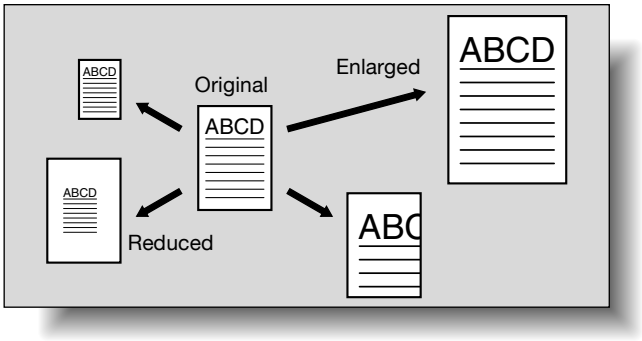
Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta Post-Script	“Specifying the Setup tab settings” on page 6-7.
	PostScript PPD	“Specifying the Paper tab settings” on page 7-4.
Mac OS X	PostScript PPD	“Page Attributes (basic settings)” on page 9-5.
Mac OS 9.2		“Page Attributes (basic settings)” on page 8-5.

Note

Only the output paper sizes can be specified with the PostScript PPD driver for Windows and the Macintosh.

Zoom (enlargement and reduction)

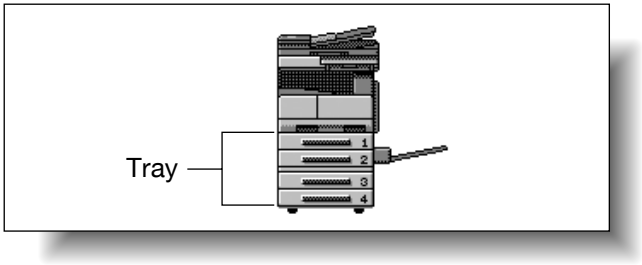
You can specify the enlargement or reduction ratio using numeric values.



Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta Post-Script	“Specifying the Setup tab settings” on page 6-7.
	PostScript PPD	“Graphics tab” on page 7-2.
Mac OS X	PostScript PPD	“Page Attributes (basic settings)” on page 9-5.
Mac OS 9.2		“Page Attributes (basic settings)” on page 8-5.

Input tray (paper source)

You can select the input tray as the paper source for printing. When changing the paper type, you can select an input tray according to the paper type.



Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta PostScript	“Specifying the Setup tab settings” on page 6-7.
	PostScript PPD	“Specifying the Paper tab settings” on page 7-4.
Mac OS X	PostScript PPD	“Paper Feed” on page 9-9.
Mac OS 9.2		“General (basic settings)” on page 8-8.

Paper Type

You can specify the paper type being printed.

Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta PostScript	“Specifying the Setup tab settings” on page 6-7.
	PostScript PPD	“Specifying the Paper tab settings” on page 7-4.

Note

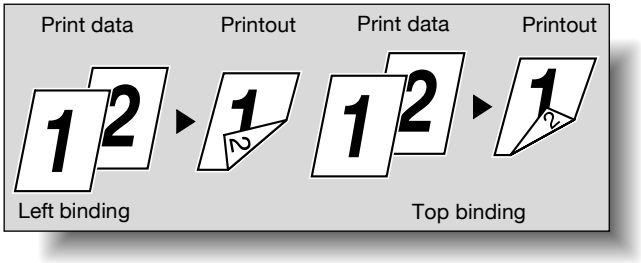
With the Konica Minolta PCL driver for Windows, the paper type of the paper tray can be specified.

Print type (duplex printing/booklet printing)

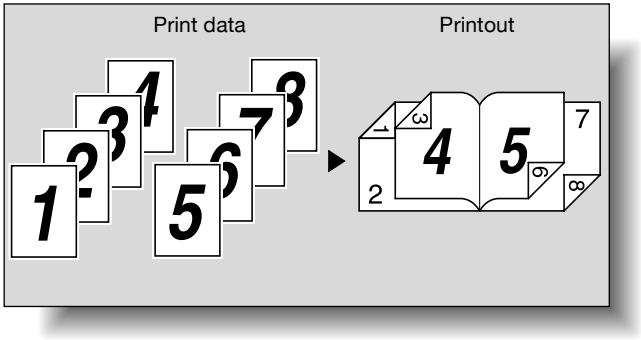
You can print onto both sides of a page or in a booklet format (two facing pages or center binding). This comes in handy when you want to bind multiple-page documents.

The binding area can be specified by specifying the binding position.

Duplex printing



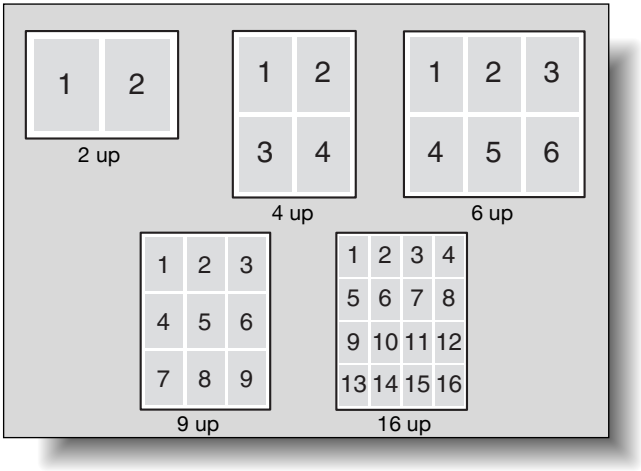
Booklet printing



Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta PostScript	“Specifying the Layout tab settings” on page 6-13.
	PostScript PPD	“Specifying the Device Options tab settings” on page 7-5.
Mac OS X	PostScript PPD	“Finishing” on page 9-11.
Mac OS 9.2		“Printer specific options (finishing options 1 to 3)” on page 8-10.

Printing multiple pages on one page

You can print multiple document pages on one page. This comes in handy when you want to reduce the number of output pages.

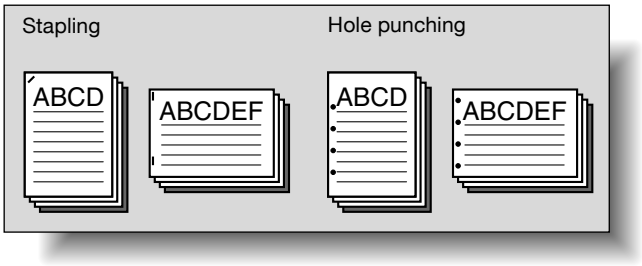


Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta Post-Script	“Specifying the Layout tab settings” on page 6-13.
	PostScript PPD	“Specifying the Paper tab settings” on page 7-4.
Mac OS X	PostScript PPD	“Layout (printing multiple pages on one page)” on page 9-8.
Mac OS 9.2		“Layout (printing multiple pages on one page)” on page 8-9.

Stapling and hole punching

Documents can be stapled together or holes punched into the document.

By specifying the file margin, you can specify the margin for stapling or hole punching.



Note

The staple function is available only when optional finisher is installed.

The hole punch function is available only when punch unit is installed on optional finisher.

Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta Post-Script	“Specifying the Layout tab settings” on page 6-13.
	PostScript PPD	“Specifying the Device Options tab settings” on page 7-5.
Mac OS X	PostScript PPD	“Finishing” on page 9-11.
Mac OS 9.2		“Printer specific options (finishing options 1 to 3)” on page 8-10.

Output Method (job management)

You can select “Secure Print”, which requires a password to print, or “Save in User Box”, which saves documents in a document folder.

Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta Post-Script	“Specifying the Setup tab settings” on page 6-7.
	PostScript PPD	“Specifying the Device Options tab settings” on page 7-5.
Mac OS X	PostScript PPD	“Security” on page 9-13.

Sorting (Collate) and classifying (Offset)

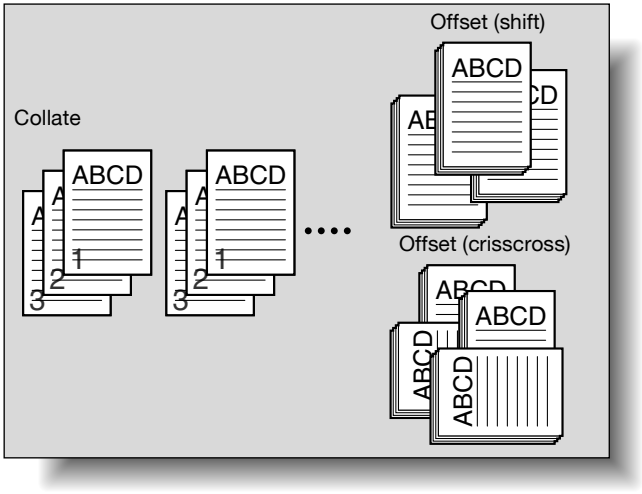
You can print the document sets the specified number of times or each page the specified number of times.

By specifying offset, each copy can be output in sets.

Detail

The offset function consists of two types. When optional finisher is installed, the output position of each set is shifted and sorted. When the finisher is not installed, crisscross sorting is performed when the following conditions are met.

Crisscross sorting conditions:
- When letter, executive, or 16K paper is used.
- When paper of the same size and type is loaded in both the [▭] and [▯] directions.
-When all pages in the document are the same size.
-When stapling or hole punching setting have not been specified.
-When printing multiple pages (when not printing only one page).



Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta Post-Script	“Specifying the Setup tab settings” on page 6-7.
	PostScript PPD	“Specifying the Device Options tab settings” on page 7-5.
Mac OS X	PostScript PPD	“Finishing” on page 9-11.
Mac OS 9.2		“General (basic settings)” on page 8-8 and “Printer specific options (finishing options 1 to 3)” on page 8-10.

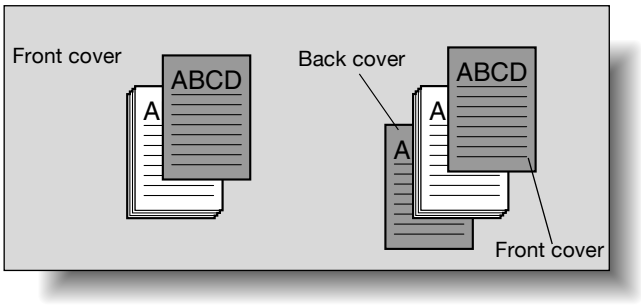
Skip Blank Pages (saving paper)

Does not print blank pages in the data.

Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.

Front Cover Page, Back Cover Page, and Transparency Interleave

A front cover and back cover can be added and interleaves can be inserted between overhead projector transparencies.



Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Per Page Setting tab settings” on page 5-17. “Specifying the Setup tab settings” on page 5-5.
	Konica Minolta PostScript	“Specifying the Per Page Setting tab settings” on page 6-17.
	PostScript PPD	“Specifying the Device Options tab settings” on page 7-5.
Mac OS X	PostScript PPD	“Setup” on page 9-10.
Mac OS 9.2		“Printer specific options (finishing options 1 to 3)” on page 8-10.

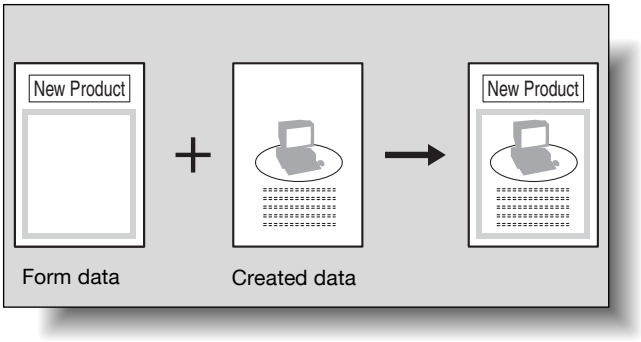
Per Page Setting

You can specify to have paper inserted between pages and specify simplex printing or duplex printing and the paper for printing for each page.

Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Per Page Setting tab settings” on page 5-17.

Overlay

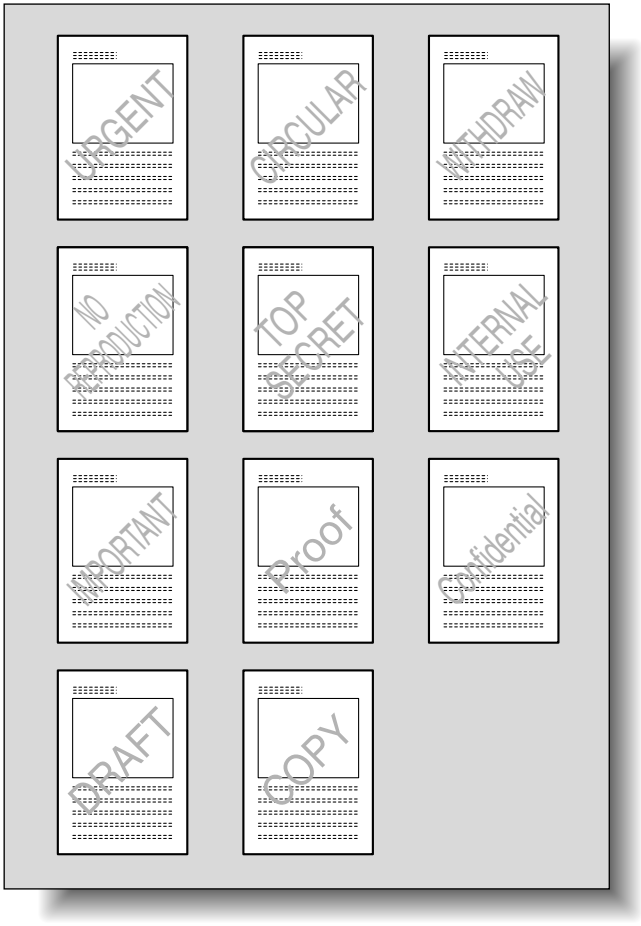
Prints the original document on top of form data that was created separately.



Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Overlay tab settings” on page 5-19.

Watermark

Prints a watermark (text stamp) on the page being printed.



Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Watermark tab settings” on page 5-23.
	Konica Minolta Post-Script	“Specifying the Watermark tab settings” on page 6-18.

Use Printer Fonts (substitute fonts)

Specifies the replacement of TrueType fonts with printer fonts.

Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Font tab settings” on page 5-27.
	Konica Minolta PostScript	“Specifying the Quality tab settings” on page 6-20.
	PostScript PPD	“Fonts tab” on page 7-3.
Mac OS 9.2	PostScript PPD	“PostScript Options” on page 8-7.

User Authentication

When the user authentication settings have been applied on this machine, you must enter the required user name and password.

Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta PostScript	“Specifying the Setup tab settings” on page 6-7.
Mac OS X	PostScript PPD	“Security” on page 9-13.

Account Track

Specifies when this machine is operating in Account Track.

Operating system	Printer driver	Refer to
Windows	Konica Minolta PCL	“Specifying the Setup tab settings” on page 5-5.
	Konica Minolta PostScript	“Specifying the Setup tab settings” on page 6-7.
Mac OS X	PostScript PPD	“Security” on page 9-13.

For Windows

The functions of this machine that can be used when printing can be specified in the printer driver setup dialog box, which can be displayed from the Printers window (for Windows XP/Server 2003, Printers and Faxes window).

Settings specified in the printer driver setup dialog box displayed using the procedure described below will be applied when printing from any application.

1 For Windows 98 SE/Me/2000/NT 4.0, click the [Start] button, point to “Settings”, and then click “Printers”.
For Windows XP/Server 2003, click the [Start] button, and then click “Printers and Faxes”.

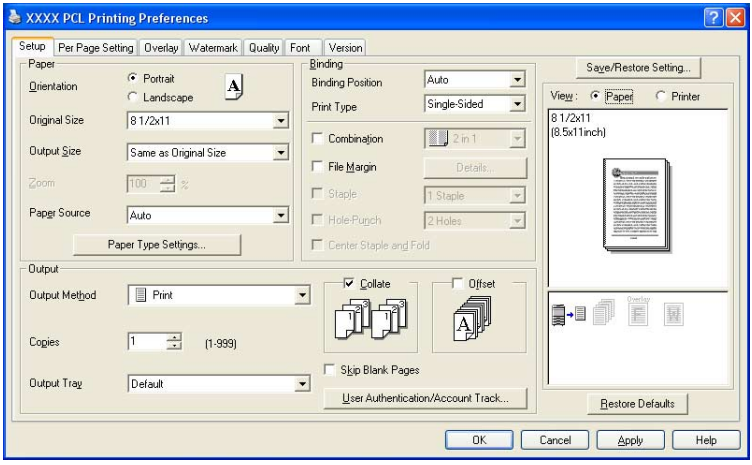
– If “Printers and Faxes” does not appear in the Start menu, open the Control Panel from the Start menu, select “Printers and Other Hardware”, and then select “Printers and Faxes”.

2 For Windows 98 SE/Me, right-click the icon of the installed printer, and then click “Properties”.
For Windows 2000/XP/Server 2003, right-click the icon of the installed printer, and then click “Printing Preferences”.
For Windows NT 4.0, right-click the icon of the installed printer, and then click “Document Default”.

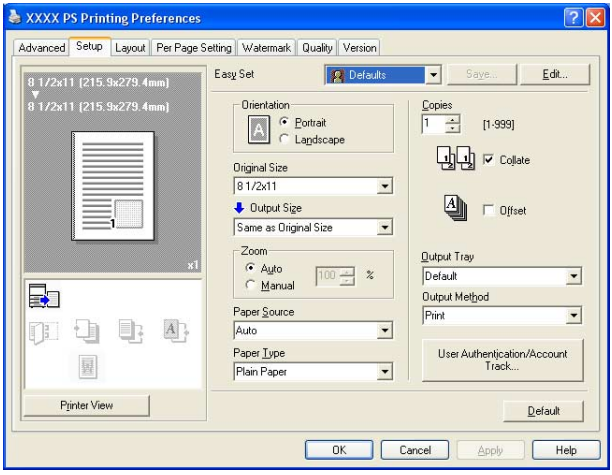
The following printer driver setting dialog box appears. For the settings that can be specified with each printer driver, refer to the following:

- Konica Minolta PCL driver: “Setting up the PCL driver” on page 5-1
- Konica Minolta PostScript driver: “Setting up the PostScript driver (Windows)” on page 6-1
- Konica Minolta PostScript PPD driver: “Setting up the PPD driver (Windows)” on page 7-1

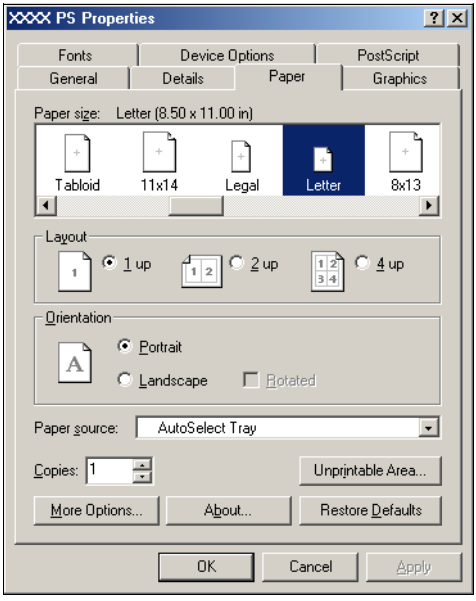
PCL driver



PostScript driver



PostScript PPD



Note

Use each tab in the dialog box to set up the printer driver.

To specify custom settings, click Print in the application, and then click the [Properties] or [Preferences] button on the Print dialog box. The settings specified on the Print dialog box apply only to the current file.

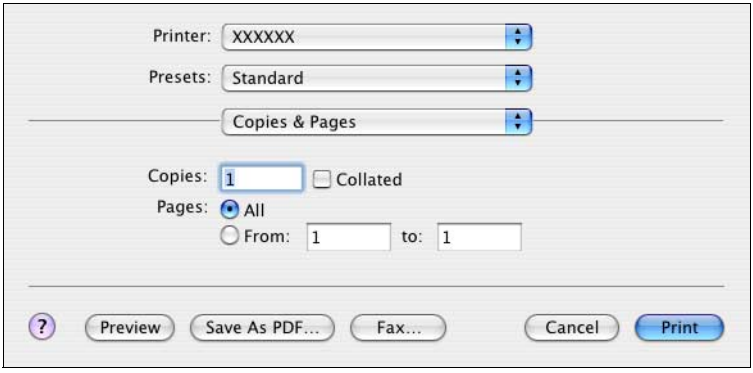
For Macintosh

The functions of this machine that can be used when printing can be specified on the Print dialog box or the Page Setup dialog box.

The settings can only be applied while using the application. When the application is exited, the settings return to their default settings.

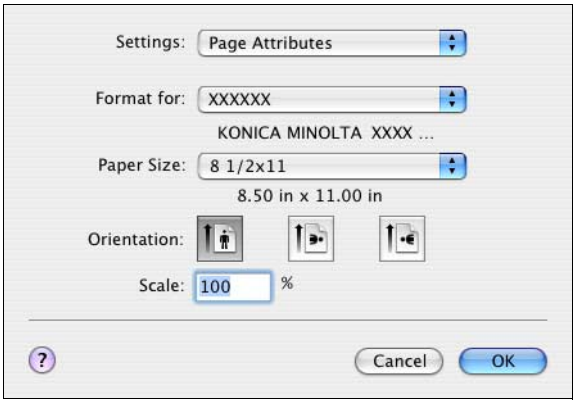
To display the Print dialog box

Open the data in the application, choose “File”, then click “Print”.



To display Page Setup dialog box

Open the data in the application, choose “File”, and then click “Page Setup” or “Paper Setup”.



For the settings that can be specified with each printer driver, refer to the following:

- OS X: “Setting up the PPD driver (Mac OS X)” on page 9-1
- OS 9.2: “Setting up the PPD driver (Mac OS 9.2)” on page 8-1

Note

The contents of the Print dialog box and the Page Setup dialog box may differ.

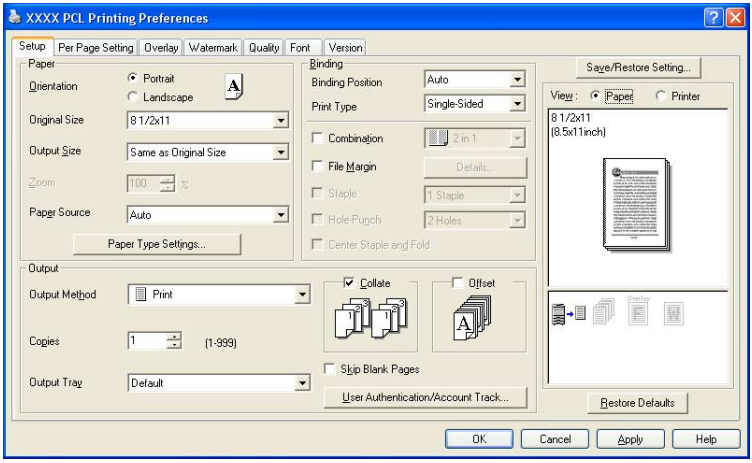
Depending on the application, the Page Setup dialog box can be displayed by selecting “Paper Setup”—“Options” from the “File” menu.

5 Setting up the PCL driver

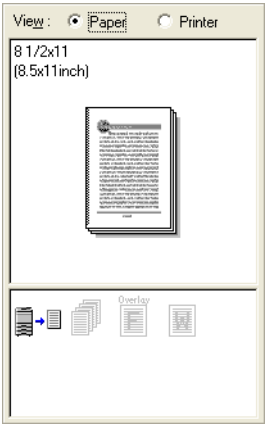
5.1 Settings

Common settings

The following describes the common settings and buttons that are displayed on all tabs.



Button	Function
OK	Click this button to close the dialog box and apply any settings that have been changed.
Cancel	Click this button to cancel any settings that have been changed and close the dialog box.
Help	Click this button to display the help for each item on the currently displayed dialog box.
Save/Restore Setting	Click this button to save the current settings and to view them at a later time.
Restore Defaults	Click this button to return the settings to their defaults, which were selected when the driver was installed.

Button	Function
View	When “Paper” is selected, a preview of the page layout as specified in the current settings is displayed and a preview image of the print job can be checked. When “Printer” is selected, a printer figure is displayed showing any options, such as the paper tray, that are installed on this machine.  Paper Printer

Note

To enable any installed options, you must specify the Option settings. For details, refer to “Specifying the Option tab settings” on page 5-28.

Setup tab

Item	Function
Paper	Specifies the orientation, original size, output size, paper source, and paper type.
Binding	Specifies the folding format such as the binding position, duplex printing, booklet printing, printing multiple pages on one page, file margin, stapling, hole punching or center staple and fold.
Output	Specifies the output format such as the output method, number of copies, output tray, collate, or offset.

Per Page Setting tab

Item	Function
Front Cover Page	Attaches a front cover page.
Back Cover Page	Attaches a back cover page.
Per Page Setting	Inserts paper between pages and switches simplex/duplex and paper for each page.

Overlay tab

Item	Function
Overlay	Specifies overlay printing.

Watermark tab

Item	Function
Watermark	Prints a watermark (text stamp) on the document being printed.
Distribution Number Stamping	Prints the number of the copy.

Quality tab

Item	Function
Print with Black	Specifies the data to be printed in black.
Pattern	Selects the print pattern.

Font tab

Item	Function
Use Printer Fonts	Selects whether to use TrueType fonts or the printer fonts when printing.
Download Font Format	Selects whether the fonts are downloaded to the printer as bitmap or outline.

Version tab

Item	Function
Version	Displays the version of the printer driver.

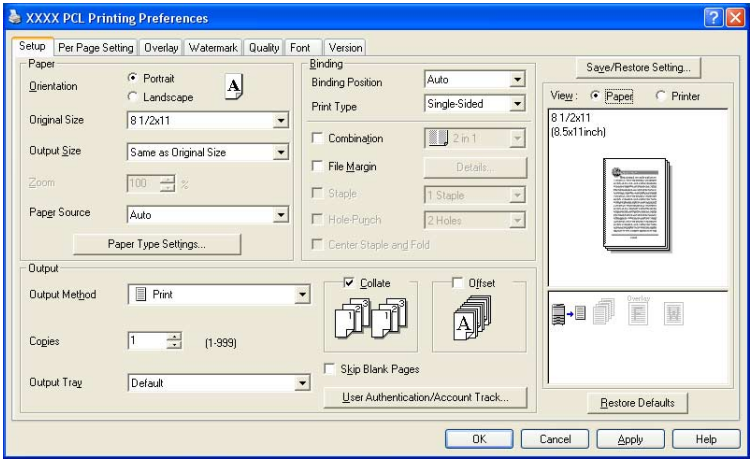
Option tab

Item	Function
Option	Specifies the options installed on this machine.
Option Information	Automatically specifies the printer driver option settings.

Note

To display the Option tab in Windows 2000/XP/NT 4.0/Server 2003, right-click the icon of the installed printer, and then click "Properties".

5.2 Specifying the Setup tab settings



Printing to suit the paper size

You can enlarge or reduce documents created when printing to match the output paper size.

1 Click the Setup tab.

2 From the “Original Size” and “Output Size” drop-down lists, select the desired settings.

– You can also specify any enlargement or reduction ratio in the “Zoom” box.

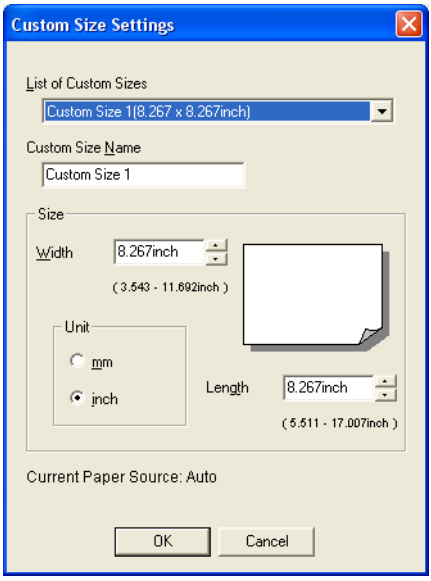
Saving a custom size

A custom size can be specified and saved in advance as described below.

1 From the “Original Size” or “Output Size” drop-down list, select “Custom Size Settings”. The Custom Size Settings dialog box appears.

2 Specify settings for the following:

- List of Custom Sizes: Select the size for the custom size being set.
- Custom Size Name: Input the name of the custom size being registered.
- Size: Specify the width and length of the custom size according to the selected measurement units.



3 Click the [OK] button.

Note

The custom size settings can only be specified in the printer driver setup dialog box, which can be displayed from the Printers window in Windows 2000/NT 4.0 or from the Printers and Faxes window in Windows XP/Server 2003.

Windows 98 SE/Me can be specified from the Properties dialog box on the print screen.

Selecting the paper source

When changing the paper type, you can register it to an input tray and you will be able to select the input tray according to the desired paper type.

1 Click the Setup tab.

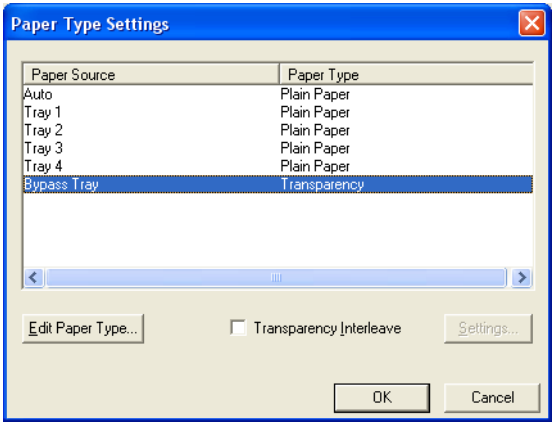
2 From the “Paper Source” drop-down list, select the paper tray that contains the paper to be used.

Setting the paper source of the paper type

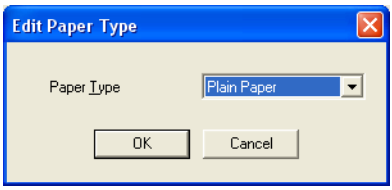
Follow the procedure described below to assign a paper type to a paper tray.

1 Click the [Paper Type Settings] button.

2 Select the “Paper Source” being changed, and then click the [Edit Paper Type] button.



3 Select the desired setting from the “Paper Type” drop-down list, and then click the [OK] button.
Only the paper types that can be selected in each input tray are displayed.



If “Transparency” is selected as the paper type in “Auto” of Paper Source, you can specify transparency interleaving.
When the “Transparency Interleave” check box is selected, the Transparency Interleave Settings dialog box appears, allowing you to select the source of the interleaf paper.
The Transparency Interleave Settings dialog box can also be displayed by clicking the [Settings] button.

Specifying duplex/booklet printing

You can print a document onto both sides of a page or in a booklet format (two facing pages). This comes in handy when you want to bind multiple-page documents.

1 Click the Setup tab.

2 From the “Print Type” drop-down list, select “Duplex” or “Booklet”.

...

Note

The binding orientation can be specified from the “Binding Position” drop-down list.

Printing multiple pages on one page (N in 1)

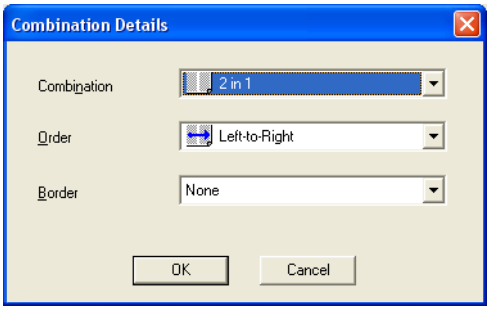
You can print multiple document pages on one page. This comes in handy when you want to reduce the number of output pages.

1 Click the Setup tab.

2 Select the “Combination” check box.

3 From the “Combination” drop-down list, select the number of pages to be printed on one page.

To change the border line and printing order settings, select the “Details”, and then change the settings in the Combination Details dialog box that appears.



Note

When printing a job that contains pages of different sizes and orientations, images may be missing or overlapping when the document is printed.

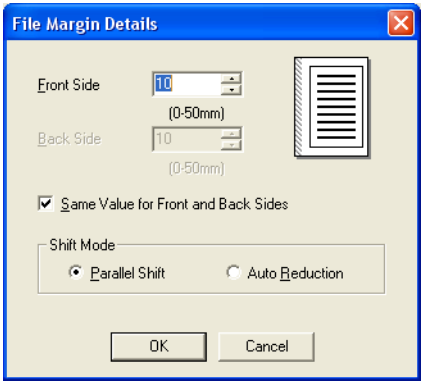
Setting the file margin

File margins are added to the document before it is printed.

1 Click the Setup tab.

2 Select the “File Margin” check box.

3 To set the width of the file margin, click the [Details] button, and then specify the desired settings in File Margin Details dialog box that appears.



– Front Side/Back Side: Sets the file margin values. By clearing the “Same Value for Front and Back Sides” check box, you can specify each value for the front and back sides.
– Shift Mode: To add a file margin, select how the image is to be shifted.

Note

When “Double Sided” is selected in “Print Type” and “Auto Reduction” is specified in Shift Mode in the File Margin Details dialog box, the reduction ratio according to the larger (reduction magnification) value of the file margin width is used from the values specified in Front Side/Back Side.

Stapling

Multiple-page documents can be stapled.

The staple function is available only when optional finisher is installed.

1 Click the Setup tab.

2 Select the “Staple” check box.

3 From the drop-down list, specify the number of staples and the stapling position.

...

Note

Depending on the selected Binding Position setting, different stapling positions are available.

Hole punching

Holes can be punched into the printed document.

The hole punch function is available only when punch unit is installed on optional finisher.

1 Click the Setup tab.

2 Select the “Hole-Punch” check box.

3 From the drop-down list, specify the number of punched holes.

Center Staple and Fold

You can fold and staple printouts in half.

1 Click the Setup tab.

2 Select the “Center Staple and Fold” check box.

Note
The Center Staple and Fold function is only available when the optional finisher and saddle kit are installed.

Selecting the output method

Not only can you print directly, but you can select “Secure Print”, which requires a password to print, or “Save in User Box”, which saves documents in the document folder.

The Save in User Box and Save in User Box and Print functions can only be used when an optional hard disk is installed.

The Save in User Box, Save in User Box and Print, and Proof and Print functions cannot be specified when the “Per Page Setting” setting is specified.

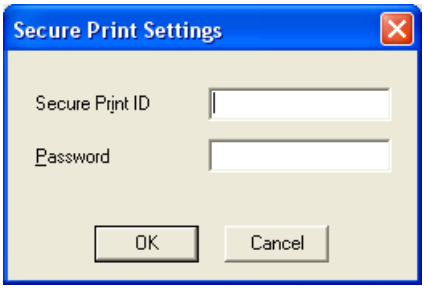
1 Click the Setup tab.

2 From the “Output Method” drop-down list, select the output method.

- Print: Prints immediately.
- Secure Print: Saves the document to be printed in the secured document box of this machine. When printing, you are required to enter the user ID and password in this machine’s control panel. Select when printing highly confidential documents.
- Save in User Box: Saves the document to be printed in a box on this machine.
- Save in User Box and Print: Saves the document in a box and prints at the same time.
- Proof and Print: After part of the document has been printed, this machine stops printing temporarily. Select to avoid misprinting large print jobs.

Secure Print

If “Secure Print” was selected, enter the user ID and password in the dialog box that appeared.



Note

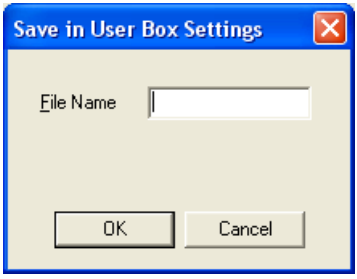
To print the document, touch “Secure Print” in the Box mode of this machine, enter the user ID and password, and then select the document. For details, refer to “Print job management” on page 10-77.

When a password rule is enabled on this machine, passwords that are usable in Secure Print are limited and jobs are deleted when a password that does not meet the password rule is entered. For the password rules, refer to User’s Guide [Copy Operations].

For details on the box functions of this machine, refer to User’s Guide [Box Operations].

Save in User Box

When “Save in User Box” or “Save in User Box and Print” is selected, specify the file name in the dialog box that appears for entering the file name.



Note

For details on the box functions of this machine, refer to User's Guide [Box Operations].

Proof and Print

When a print job is sent, this machine stops printing temporarily after part of the document has been printed. The remaining print job is stored in this machine as a print job. When printing multiple copies, you can print the remaining part of the print job after checking the print results.

Note

To print the document, touch "Proof Print" in the Box mode of this machine, and then select the document. For details, refer to "Print job management" on page 10-77.

Proof and Print can be specified when "Collate" is specified.

For details on the box functions of this machine, refer to User's Guide [Box Operations].

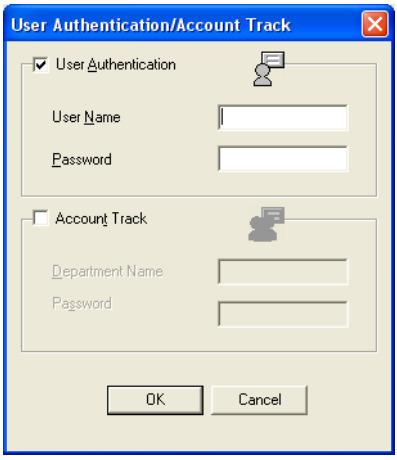
Specifying user authentication settings

When the authentication settings have been applied on this machine, a user name and password must be entered.

1 Click the Setup tab.

2 Click the [User Authentication/Account Track] button.

3 Select the “User Authentication” check box, and then enter the user name and password.



4 Click the [OK] button.

Note

If a print job is sent using a user name or password that is not a registered account on this machine or if a job is sent without the “User Authentication” check box selected, this machine cannot authenticate the operation and cannot print. When this occurs, the sent job is deleted.

When user authentication is specified on this machine and the Enhance Security mode is enabled or when Access Lock is enabled on the software DIP switch, the corresponding user may be locked out and denied access if the authentication information is not entered correctly.

For details on user authentication and Enhance Security mode, refer to User’s Guide [Copy Operations].

Detail

For user authentication settings, consult the administrator of this machine.

Specifying account track settings

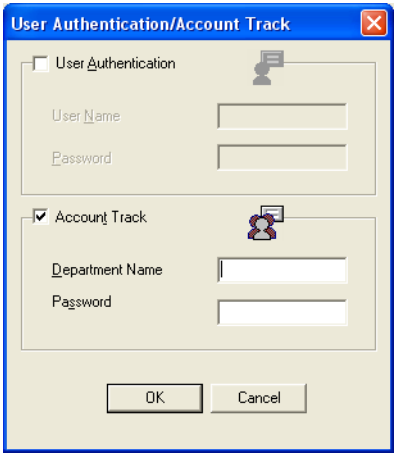
If account track settings have been specified on this machine, you must enter a user name and password in order to print a job.

1 Click the Setup tab.

2 Click the [User Authentication/Account Track] button.

3 Select the “Account Track” check box, and then enter the department name and password.

– A default password can also be registered and used rather than entering a password for each job. The default password can be specified in the printer driver setup dialog box, which can be displayed from the Printers window (for Windows XP/Server 2003, Printers and Faxes window).



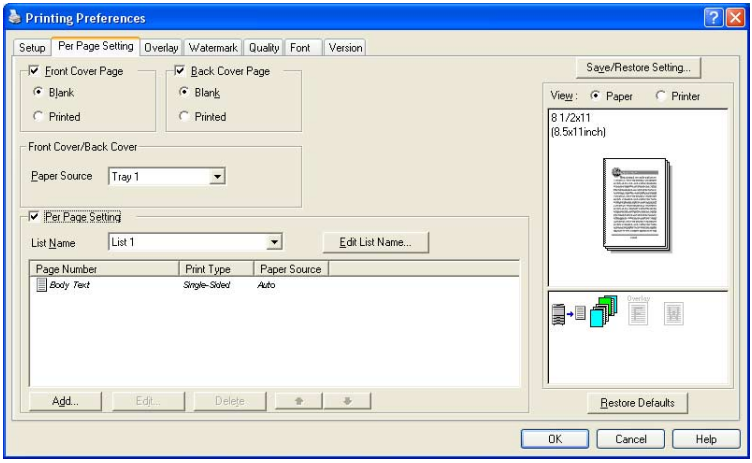
4 Click the [OK] button.

Note

If a print job is sent using a department name or password that is not a registered account or if a job is sent without the “Track Account” check box selected, this machine cannot authenticate the operation and cannot print. When this occurs, the sent job is deleted.

For the account track details, consult the administrator of this machine.

5.3 Specifying the Per Page Setting tab settings



Printing documents with a front cover/back cover

1 Click the Per Page Setting tab.

2 Select the “Front Cover Page” and “Back Cover Page” check boxes.

3 To print on the front cover and back cover, select “Printed”. To only add a blank page, select “Blank”.

4 Select the input tray that contains the loaded paper for the front cover and back cover.

Note

The front cover and back cover use the paper of the same input tray.

You cannot specify settings in “Back Cover Page” only. Specify settings in “Back Cover Page” and “Front Cover Page” at the same time.

The Save in User Box, Save in User Box and Print, and Proof and Print functions cannot be specified when the “Per Page Setting” setting is specified.

Printing multiple pages

The “Per Page Setting” function comes in handy when you want to change the input tray during a print job when printing multiple pages.

Per Page Setting

You can specify the print type and input tray for each page.

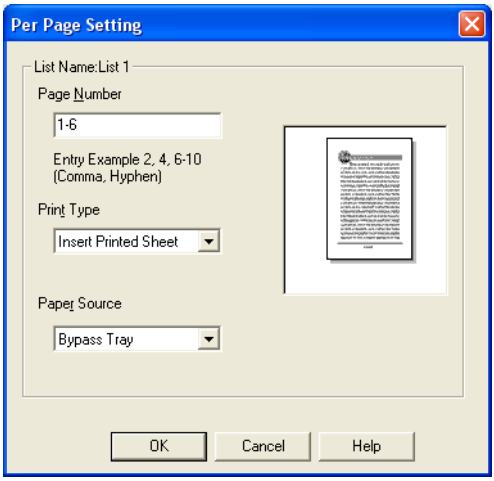
1 Click the Per Page Setting tab.

2 Select the “Per Page Setting” check box.

3 From the “List Name” drop-down list, select the name of the desired list.

– When changing the list name, click the [Edit List Name] button after selecting the list name, and then apply the settings on the dialog box that appears.

4 Click the [Add] button, and then specify the page number, print type, and paper source in the dialog box that appears.

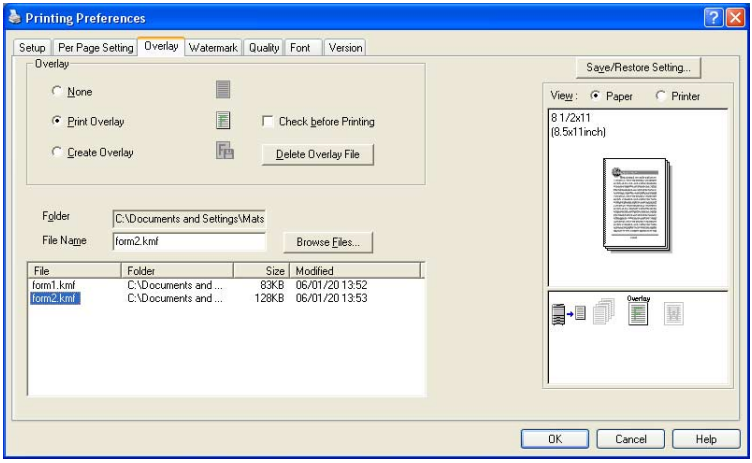


Note

For an existing list, click the [Edit] button to change the registered page numbers, or click the [Delete] button to delete them.

Click [↑] or [↓] to change the page number starting with the smallest page number.

5.4 Specifying the Overlay tab settings



Printing different original documents together (overlay)

An original document can be printed on top of form data that was created separately. This function is handy for fax cover letters and form letters.

You must pre-register forms to be printed. For details, refer to “Editing forms” on page 5-20.

1 Create the print data using any application.

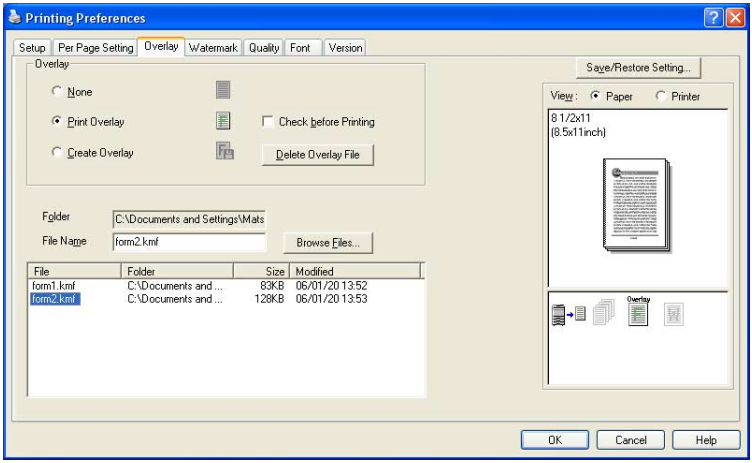
2 From the “File” menu, select “Print”.

3 Select the KONICA MINOLTA 350/250/200 PCL printer, and then click the [Preferences] button.

4 Click the Overlay tab.

5 Select “Print Overlay”.

6 From the list, select the form that you want to print.



7 Select the file name, and then click the [OK] button.

The Print dialog box appears again.

8 Click the [OK] button.

Overlay printing is performed.

Editing forms

To use forms, the data for using forms must be pre-registered. To register a form, select “Create Overlay”, and then specify the document that you want to register.

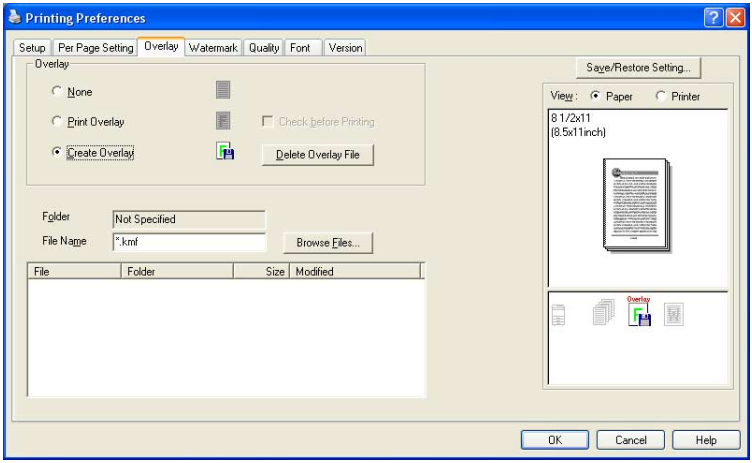
1 Create the form data using any application.

2 From the “File” menu, select “Print”.

3 Select the KONICA MINOLTA 350/250/200 PCL printer, and then click the [Preferences] button.

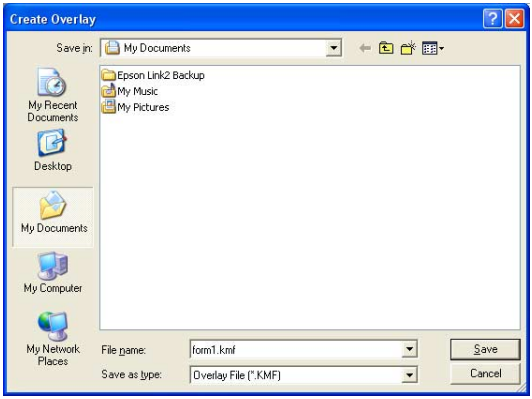
4 Click the Overlay tab.

5 Select “Create Overlay”.



6 Click the [Browse Files] button.

7 Specify the storage location for the form data, and then enter the file name in the “File name” box.



8 Click the [Save] button.

9 Select the file name, and then click the [OK] button.

The Print dialog box appears again.

10 Click the [OK] button.

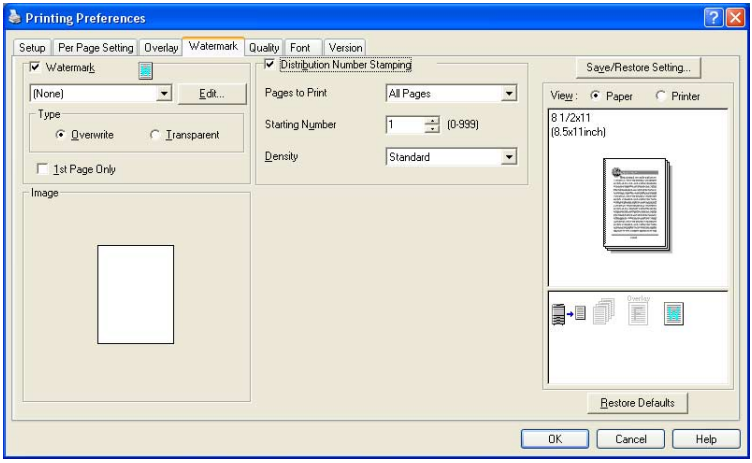
Instead of executing a print job, the form data is saved. The file extension is ".kmf".

Note

When the created overlay data consists of multiple pages, the first page of data is registered as an overlay.

From the Overlay tab, the selected form data can be deleted by clicking the [Delete Overlay File] button.

5.5 Specifying the Watermark tab settings



Printing a watermark

You can print specific text in the background as a watermark.

1 Click the Watermark tab.

2 Select the “Watermark” check box.

3 From the drop-down list, select the watermark that you want to print.

4 Specify the desired settings for “Type” and “1st Page Only”.

- Overwrite: Prints the watermark with a white background.
- Transparent: Prints the watermark with a transparent background.

Editing a watermark

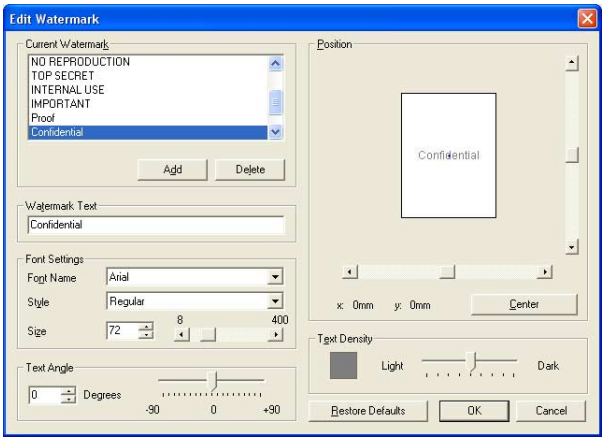
You can change the fonts and position of the watermark and you can register a new one.

1 Click the Watermark tab.

2 Select the “Watermark” check box.

3 Click the [Edit] button.

4 Specify settings for the following:



- [Add]: Click to enter a new watermark in the watermark text box.
- [Delete]: Click to delete the selected watermark.
- Watermark Text: Enter the text to be printed as a watermark.
- Font Settings: Specifies the font and font size.
- Text Angle: Specifies the watermark print angle.
- Position: Specifies the watermark position with the horizontal and vertical scroll bars.
- Text Density: Specifies the watermark text density.

Printing the document number

When printing multiple copies, you can print the number of each document.

1 Click the Watermark tab.

2 Select the “Distribution Number Stamping” check box.

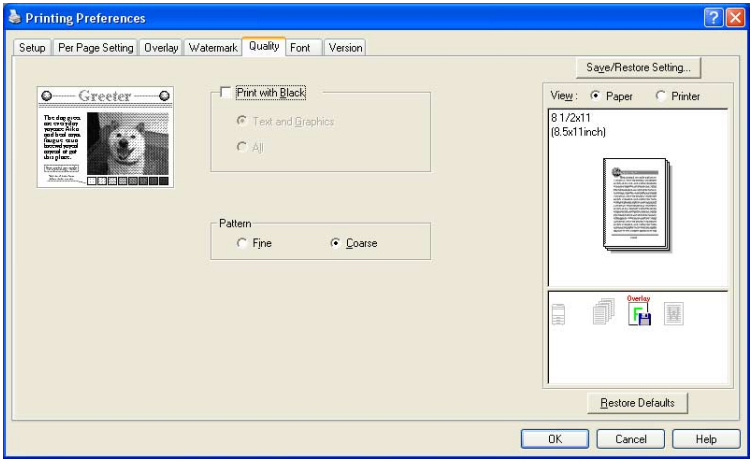
3 Specify settings for the following:

- Pages to Print: Specifies the pages where the numbering is to be printed.
- Starting Number: Specifies the starting number.
- Density: Specifies the density of the number being printed.

Note

The “Distribution Number Stamping” check box is not available if the “Collate” check box is not selected on the Setup tab.

5.6 Specifying the Quality tab settings



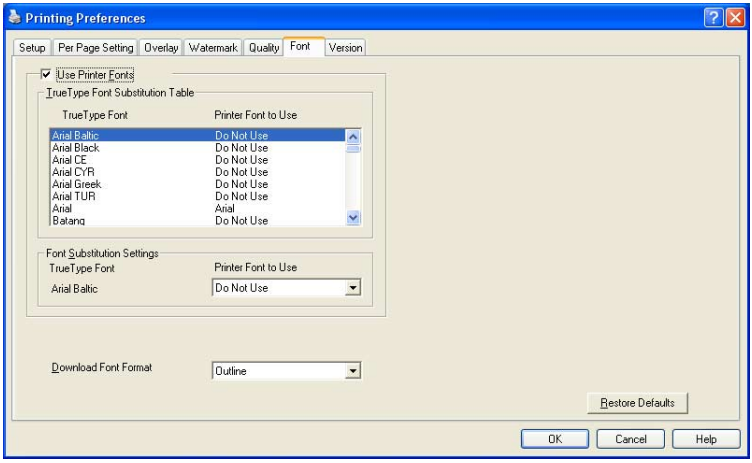
Specifying settings

1 Click the Quality tab.

2 Specify settings for the following:

- Print with Black: Specifies the data to be printed in black. Prints in black except the white areas.
- Pattern: Selects the print pattern as “Fine” or “Coarse”.

5.7 Specifying the Font tab settings



Specifying settings

You can replace the TrueType fonts used in Windows with the printer fonts of this machine.

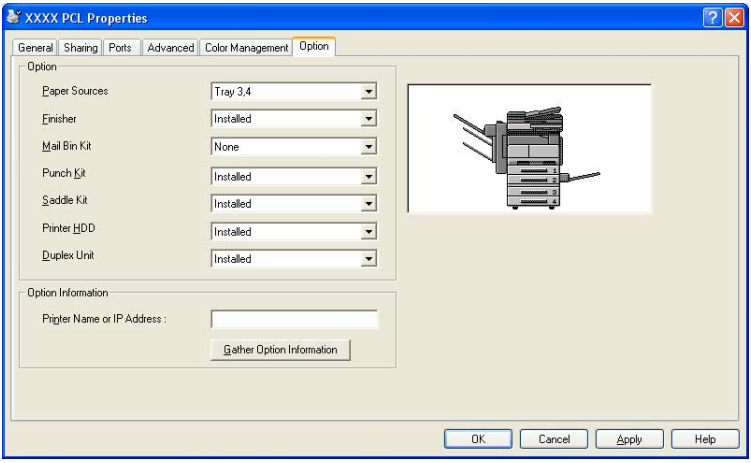
1. Click the Font tab.
2. Select the “Use Printer Fonts” check box.
3. Select the TrueType font that you want to replace.
4. From the “Printer Font to Use” drop-down list, select the printer font to replace the TrueType font.
5. Click the [OK] button.

Note

Using the printer fonts will shorten the printing time, however, there may be a difference in the screen display and the print results.

When using TrueType fonts, select from the “Download Font Format” drop-down list the font type to be downloaded to the printer.

5.8 Specifying the Option tab settings



Note

If the installed options are not set from the Option tab, the option function cannot be used with the printer driver. When installing options, be sure to make the proper settings.

Specifying settings

You can specify the options installed on this machine so that they can be used from the printer driver.

1 For Windows 98 SE/Me/2000/NT 4.0, click the [Start] button, point to "Settings", and then click "Printers".
For Windows XP/Server 2003, click the [Start] button, and then click "Printers and Faxes".

– If "Printers and Faxes" does not appear in the Start menu, open the Control Panel from the Start menu, select "Printers and Other Hardware", and then select "Printers and Faxes".

2 Right-click the "KONICA MINOLTA 350/250/200 PCL" icon, and then click "Properties".

3 Click the Option tab.

4 Specify the installation status of each option.

Note

To automatically set the installed options, enter the printer name or IP address of this machine in the "Printer Name or IP Address" box under "Option Information", and then click the [Gather Option Information] button. However, to execute the Gather Option Information function, the network settings of this machine must be specified in advance.

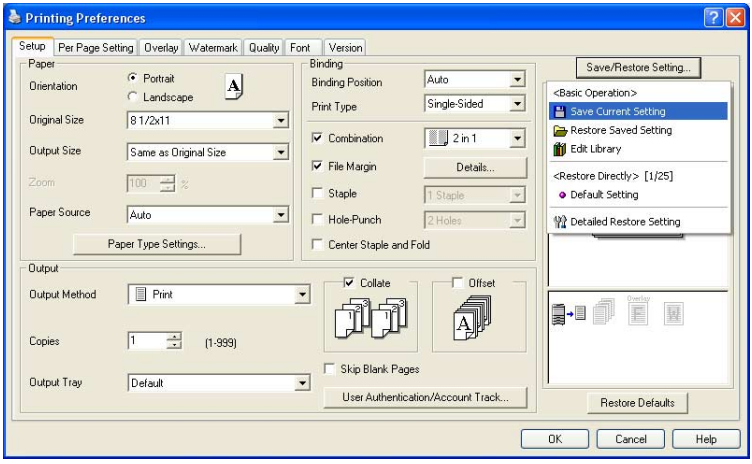
5.9 Saving the driver settings

For PCL drivers, you can save the setting values of the changed driver and recall them as necessary.

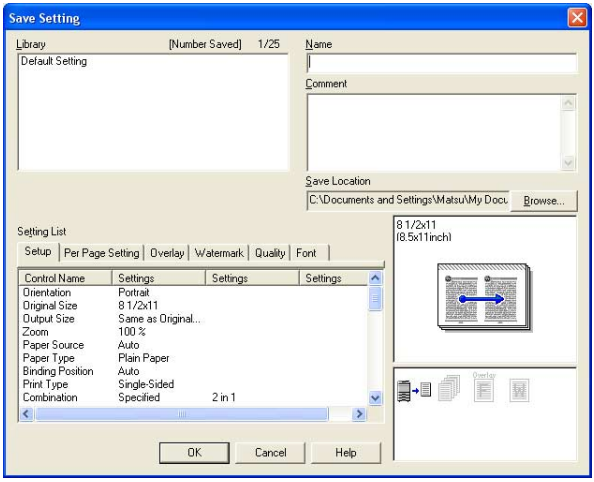
Saving the driver settings

1 Change the driver settings from the Setup tab and the Per Page Setting tab.

2 Click the [Save/Restore Setting] button, and then select “Save Current Setting”.



3 Enter the file name in the “Name” text box.



4 Enter a message in the “Comment” text box as necessary.

5 Specify a folder in the “Save Location” box, and then click the [OK] button.

The settings are registered in a library.

Note

The file extension is “.ksf”.

You can save up to 25 items in the library.

Up to 64 characters can be entered in the “Name” text box.

Up to 512 characters can be entered in the “Comment” text box.

Restoring the settings

1 Click the [Save/Restore Setting] button on the Printing Preferences dialog box, and then select “Restore Saved Setting”.

2 From the “Library” list, select the desired settings file.

3 Click the [OK] button.

The setting values are recalled, and the Printing Preferences dialog box appears again.

Deleting the settings

1 Click the [Save/Restore Setting] button on the Printing Preferences dialog box, and then select “Edit Library”.

2 From the “Library” list, select the desired settings file to be deleted.

3 Click the [Delete] button.

Note

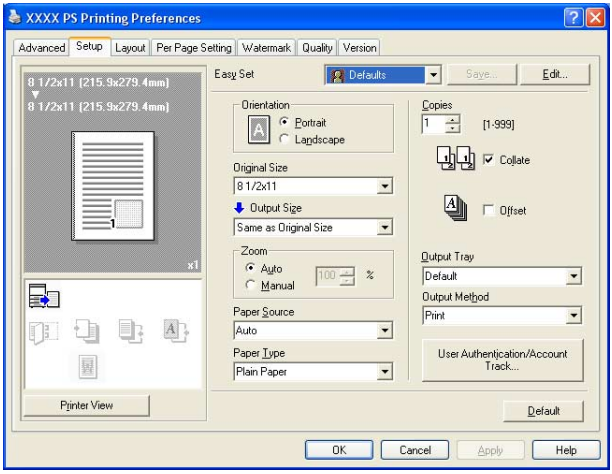
Even if the settings file is deleted from the “Library” list, it will remain on the hard disk of your computer. By specifying the file name in “Save Setting File in Library”, you can save it in the “Library” list.

6 Setting up the PostScript driver (Windows)

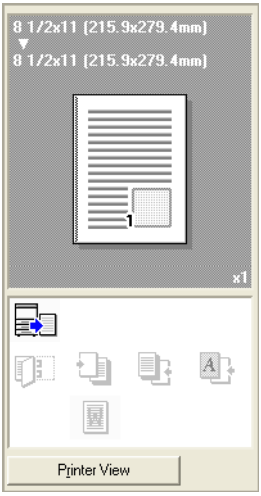
6.1 Settings

Common settings

The following describes the common settings and buttons that are displayed on all tabs.



Button	Function
OK	Click this button to close the dialog box and apply any settings that have been changed.
Cancel	Click this button to cancel any settings that have been changed and close the dialog box.
Help	Click this button to display the help for each item on the currently displayed dialog box.
Save	Click this button to save the current settings and to view them at a later time.
Edit	Click this button to change the saved settings.
Default	Click this button to return the settings to their defaults, which were selected when the driver was installed.

Button	Function
View	When the [Paper View] button is clicked, a preview of the page layout as specified in the current settings is displayed and a preview image of the print job can be checked. When the [Printer View] button is clicked, a printer figure is displayed showing any options, such as the paper tray, that are installed on this machine.  Paper Printer

Note

To enable any installed options, you must specify the Option settings. For details, refer to "Specifying the Option tab settings" on page 6-21.

Setup tab

Item	Function
Orientation	Specifies the orientation of the image being printed on the paper.
Original Size	Specifies the size of the original document.
Output Size	Specifies the output paper size. Automatically enlarges or reduces when the Original Size setting is changed.
Zoom	Specifies the enlargement and reduction ratio.
Paper Source	Selects the paper source for printing.
Paper Type	Selects the paper type for printing.
Copies	Specifies the number of copies to print.

Item	Function
Collate	Specifies whether to print multiple copies in sets.
Offset	When printing multiple copies, shifts the output position of each set.
Output Tray	Selects the tray where to output the printed pages.
Output Method	Specifies output methods, such as “Secure Print” and “Save in User Box”.
[User Authentication/Account Track]	For user management in the “User Authentication” and “Account Track”, enter a user name, department name, and password.

Layout tab

Item	Function
Combination	Prints multiple pages on one page and specifies the booklet function. Details can be specified in Combination Details.
Rotate 180	Prints the image rotated 180°.
Double Sides	Specifies duplex printing.
Binding Position	Specifies the binding position.
Staple	Specifies stapling.
Center Staple and Fold	Folds the printouts in half and staples.
Hole-Punch	Specifies hole punching.

Per Page Setting tab

Item	Function
Front Cover Page	Attaches a front cover page.
Back Cover Page	Attaches a back cover page.
Paper Source	Selects the input tray for the front cover page and back cover page.
Transparency Interleave	Outputs and inserts interleaves when printing overhead projector transparencies.
Paper Source	Selects the input tray for the transparency interleaves.

Watermark tab

Item	Function
Watermark	Prints a watermark (text stamp) on the page being printed. Watermarks can be added, changed, or deleted.
Transparent	Prints the watermark with a transparent background.
1st Page Only	Prints the watermark on the first page only.
Repeat	Prints several watermarks on a single page.

Quality tab

Item	Function
Font Settings	Selects whether to use TrueType fonts or the printer fonts when printing.

Advanced tab

Item	Function
Advanced Printing Features	Specifies whether to enable metafile spooling.
PostScript Output Option	Specifies the PostScript file output format.
Send PostScript Error Handler	Specifies whether to print an error report when a PostScript error occurs.
Mirrored Output	Reverses horizontally, then prints.
Negative Output	Reverses black and white, then prints.
PostScript Pass through	Allows applications to print directly without using a printer driver.

Device Settings tab

Item	Function
Font Substitution Table	Specifies the replacement of TrueType fonts with printer fonts.
Available PostScript Memory	Specifies the usable PostScript memory size.
Output Protocol	Specifies the protocol for transmitting to the printer.
Send CTRL-D Before Each Job	Specifies whether to reset printer before printing.
Send CTRL-D After Each Job	Specifies whether to reset printer after printing.
Convert Gray Text to PostScript Gray	Specifies whether to convert gray text in a document to PostScript gray.
Convert Gray Graphics to PostScript Gray	Specifies whether to convert gray graphics in a document to PostScript gray.

Item	Function
Add Euro Currency Symbol to PostScript Fonts	Specifies whether to add the Euro currency symbol in a document to PostScript fonts.
Job Timeout	Printer stops printing when a print job is not completed within the specified time.
Wait Timeout	Printer stops printing when the printer does not receive data within the specified time from when the job was sent.
Minimum Font Size to Downloaded as Outline	Specifies the minimum font size (pixels) when downloading TrueType fonts as outline fonts. Fonts smaller than the minimum specified size are downloaded as bitmap fonts.
Maximum Font Size to Downloaded as Bitmap	Specifies the maximum font size (pixels) when downloading TrueType fonts as bitmap fonts. Fonts larger than the maximum specified size are downloaded as outline fonts.

Note

To display the Device Settings tab in Windows 2000/XP/NT 4.0/Server 2003, right-click the icon of the installed printer, and then click "Properties".

Option Tab

Item	Function
Option	Specifies the options that are installed on this machine.
Gather Option Information	Communicates with this machine and reads the status of the installed options.
PageScope Web Connection	Starts up PageScope Web Connection.

Note

To display the Device Information tab in Windows 2000/XP/NT 4.0/Server 2003, right-click the icon of the installed printer, and then click "Properties".

You cannot click the [Gather Option Information] button if you are not connected to or able to communicate with this machine.

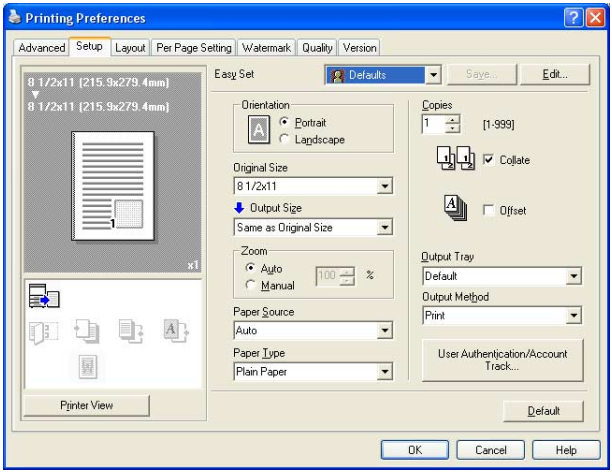
Settings tab

Item	Function
Display Constraint Message	Displays a message when you want to perform a function that cannot be set when the printer is being used.
Use Print Server Properties Form	Uses the added registered paper in [Server Properties].

Note

To display the Settings tab in Windows 2000/XP/NT 4.0/Server 2003, right-click the icon of the installed printer, and then click "Properties".

6.2 Specifying the Setup tab settings



Printing to suit the paper size

You can enlarge or reduce documents created when printing to match the output paper size.

1 Click the Setup tab.

2 From the “Original Size” and “Output Size” drop-down lists, select the desired settings.

– You can also specify any enlargement or reduction ratio in the “Zoom” box.

Saving a custom size

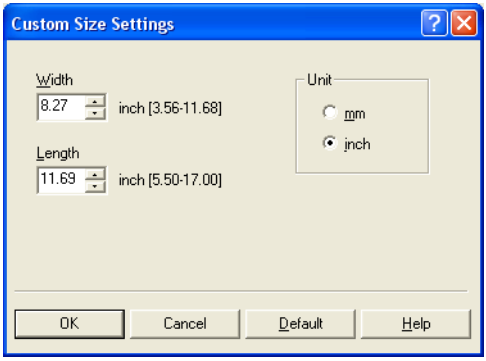
A custom size can be specified and saved in advance as described below.

1 From the “Original Size” or “Output Size” drop-down lists, select “Custom Size Settings”.

The Custom Size Settings dialog box appears.

2 Specify settings for the following:

– Size: Specify the width and length of the custom size according to the selected measurement units.



3 Click the [OK] button.

Selecting the output method

Not only can you print directly, but you can select “Secure Print”, which requires a password to print, or “Save in User Box”, which saves documents in the document folder.

The Save in User Box and Save in User Box and Print functions can only be used when an optional hard disk is installed.

The Save in User Box, Save in User Box and Print, and Proof and Print functions cannot be specified when the “Per Page Setting” setting is specified.

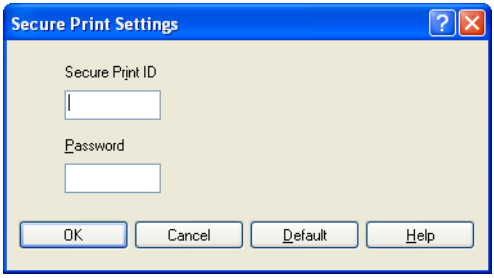
1 Click the Setup tab.

2 From the “Output Method” drop-down list, select the output method.

– Print: Prints immediately.
– Secure Print: Saves the document to be printed in the secured document box of this machine. When printing, you are required to enter the user ID and password in this machine’s control panel. Select when printing highly confidential documents.
– Save in User Box: Saves the document to be printed in a box on this machine.
– Save in User Box and Print: Saves the document in a box and prints at the same time.
– Proof and Print: After a part of the document has been printed, this machine stops printing temporarily. Select to avoid misprinting large print jobs.

Secure Print

If “Secure Print” was selected, enter the user ID and password in the dialog box that appeared.



Note

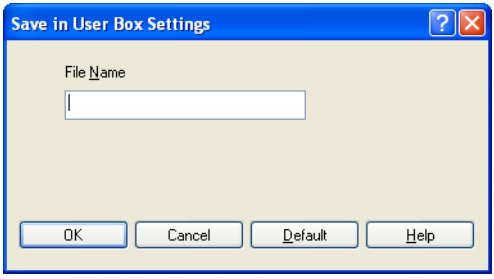
To print the document, touch “Secure Print” in the Box mode of this machine, enter the user ID and password, and then select the document. For details, refer to “Print job management” on page 10-77.

When a password rule is enabled on this machine, passwords that are usable in Secure Print are limited and jobs are deleted when a password that does not meet the password rule is entered. For the password rules, refer to User’s Guide [Copy Operations].

For details on the box functions of this machine, refer to User’s Guide [Box Operations].

Save in User Box

When “Save in User Box” or “Save in User Box and Print” is selected, specify the file name in the dialog box that appears for entering the file name.



Note

For details on the box functions of this machine, refer to User’s Guide [Box Operations].

Proof and Print

When a print job is sent, this machine stops printing temporarily after part of the document has been printed. The remaining print job is stored in this machine as a print job. When printing multiple copies, you can print the remaining part of the print job after checking the print results.

Note

To print the document, touch "Proof Print" in the Box mode of this machine, and then select the document. For details, refer to "Print job management" on page 10-77.

Proof and Print can be specified when "Collate" is specified.

For details on the box functions of this machine, refer to User's Guide [Box Operations].

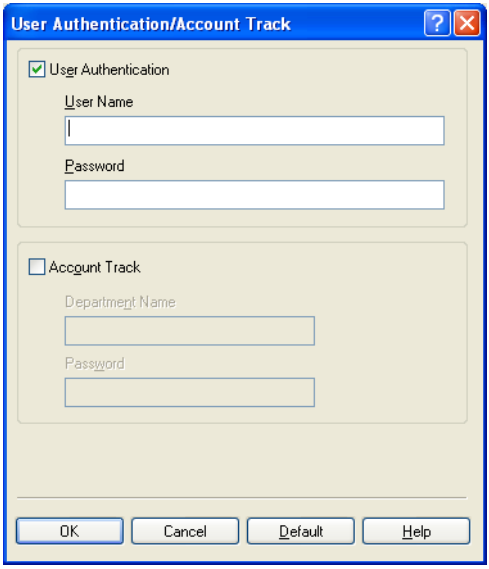
Specifying user authentication settings

When the authentication settings have been applied on this machine, a user name and password must be entered.

1 Click the Setup tab.

2 Click the [User Authentication/Account Track] button.

3 Select the “User Authentication” check box, and then enter the user name and password.



Note

If a print job is sent using a user name or password that is not a registered account on this machine or if a job is sent without the “User Authentication” check box selected, this machine cannot authenticate the operation and cannot print. When this occurs, the sent job is deleted.

When user authentication is specified on this machine and the Enhance Security mode is enabled or when Access Lock is enabled on the software DIP switch, the corresponding user may be locked out and denied access if the authentication information is not entered correctly.

For details on user authentication and Enhance Security mode, refer to User’s Guide [Copy Operations].

Detail

For user authentication settings, consult the administrator of this machine.

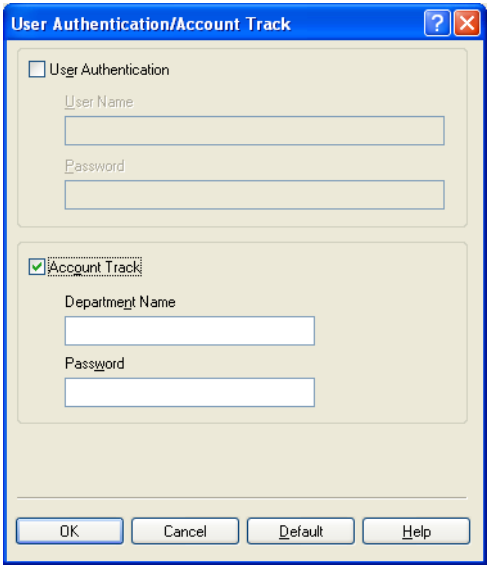
Specifying account track settings

If account track settings have been specified on this machine, you must enter a department name and password.

1 Click the Setup tab.

2 Click the [User Authentication/Account Track] button.

3 Select the “Account Track” check box, and then enter the department name and password.

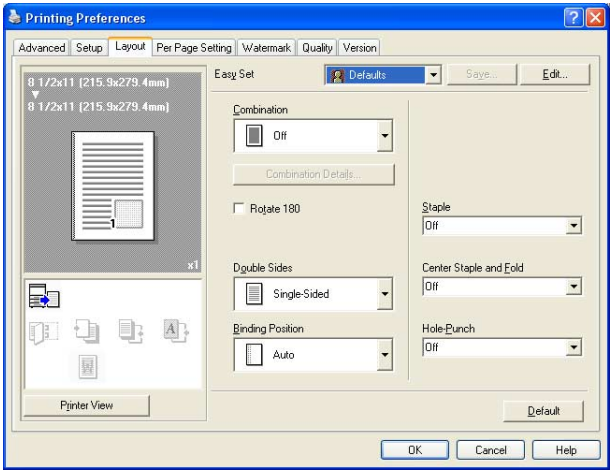


Note

If a print job is sent using a department name or password that is not a registered account or if a job is sent without the “Track Account” check box selected, this machine cannot authenticate the operation and cannot print. When this occurs, the sent job is deleted.

For the account track details, consult the administrator of this machine.

6.3 Specifying the Layout tab settings



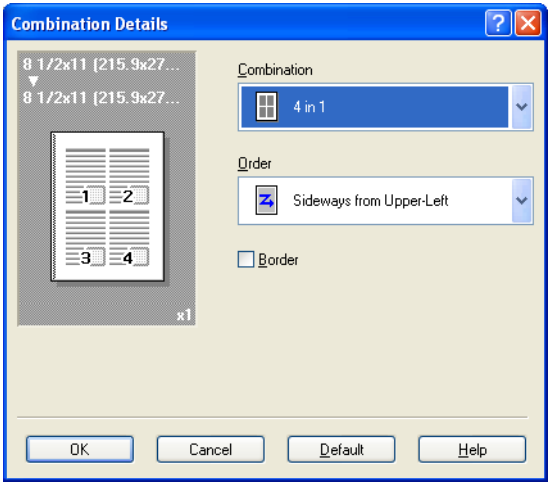
Printing multiple pages on one page (N in 1)

You can print multiple documents pages on one page. You can also specify the “Booklet” setting to fold the printouts in half to make a booklet.

1 Click the Layout tab.

2 From the “Combination” drop-down list, select the number of pages to be printed on one page.

To change the border line and printing order settings, click [Combination Details] button, and then change the settings in the dialog box that appears.



Note

When printing a job that contains pages of different sizes and orientations, images may be missing or overlapping when the document is printed.

Duplex printing

You can print a document onto both side of a page. This comes in handy when you want to bind multiple-page documents.

1 Click the Layout tab.

2 From the “Double Sides” drop-down list, select “Double-Sided”.

Note
The binding orientation can be specified from the “Binding Position” drop-down list.

Setting the file margin

File margins are added to the document before it is printed.

1 Click the Layout tab.

2 From the “Binding Position” drop-down list, select the position of the binding margin.

Stapling

Multiple-page documents can be stapled.

The staple function is available only when optional finisher is installed.

1 Click the Layout tab.

2 From the “Staple” drop-down list, specify the number of staples and the stapling position.

Note
Depending on the selected Binding Position setting, different stapling positions are available.

Center Staple and Fold

You can fold and staple printouts in half.

1 Click the Layout tab.

2 From the “Center Staple and Fold” drop-down list, select “Center Staple and Fold”.

Note
The Center Staple and Fold function is only available when the optional finisher and saddle kit are installed.

Hole punching

Holes can be punched into the printed document.

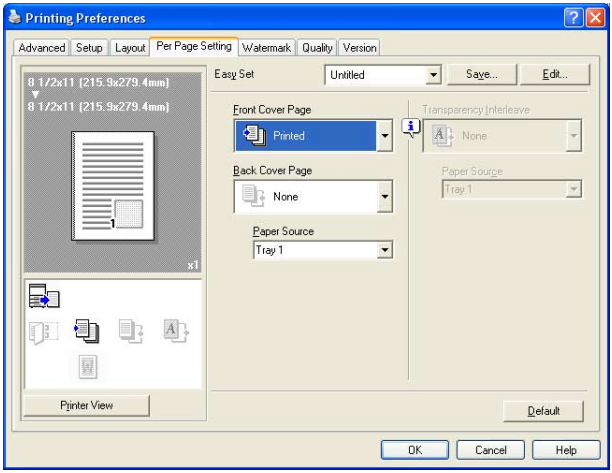
The hole punch function is available only when punch unit is installed on optional finisher.

1 Click the Layout tab.

2 From the “Hole-Punch” drop-down list, specify the number of punched holes.

Note
Depending on the selected Binding Position setting, different hole punching positions are available.

6.4 Specifying the Per Page Setting tab settings



Printing documents with a front cover/back cover

1 Click the Per Page Setting tab.

2 From the “Front Cover Page” and “Back Cover Page” drop-down lists, select the desired printing settings.

To print on the front cover and back cover, select “Printed”. To only add a blank page, select “Blank”.

3 Select the input tray that contains the loaded paper for the front cover and back cover.

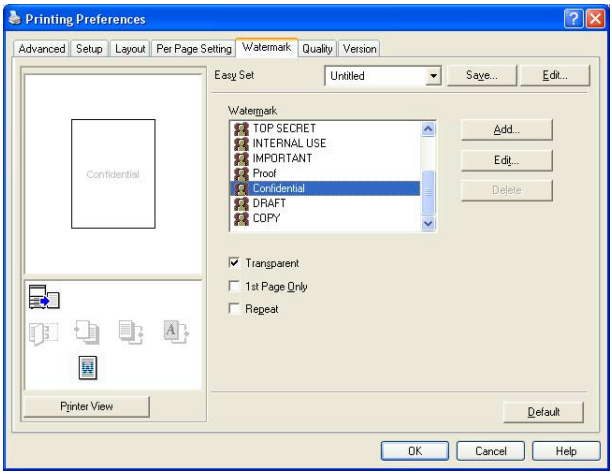
Note

The front cover and back cover use the paper of the same input tray.

You cannot specify settings in “Back Cover Page” only. Specify settings in “Back Cover Page” and “Front Cover Page” at the same time.

The Save in User Box, Save in User Box and Print, and Proof and Print functions cannot be specified when the “Per Page Setting” setting is specified.

6.5 Specifying the Watermark tab settings



Printing a watermark

You can print specific text in the background as a watermark.

1 Click the Watermark tab.

2 From the drop-down list, select the watermark that you want to print.

3 Specify settings for the following:

- Transparent: Prints the watermark with a transparent background.
- 1st Page Only: Prints the watermark on the first page only.
- Repeat: Prints several watermarks on a single page.

Editing a watermark

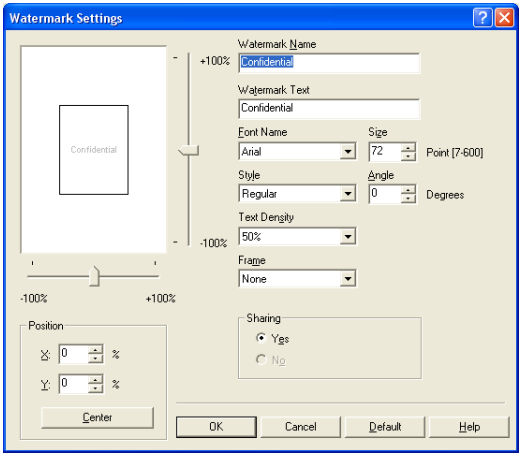
You can change the fonts and position of the watermark and you can register a new one.

1 Click the Watermark tab.

2 To create a watermark, click the [Add] button.

To change a watermark, select the watermark to be changed, and then click the [Edit] button.

3 Specify settings for the following:

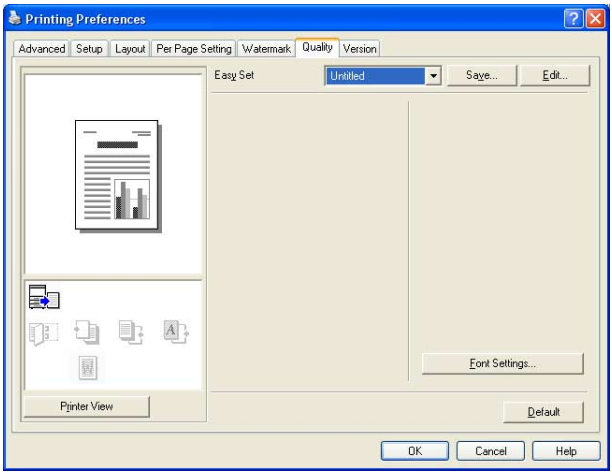


- Watermark Name: Specifies the watermark name being registered.
- Watermark Text: Specifies the watermark text.
- Font Name, Size, Style, Angle, Text Density, and Frame: Specifies the font, font size, style, text angle, text density, and frame of the watermark.
- Position: Specifies the watermark position with the horizontal and vertical scroll bars.
- Sharing: Specifies whether to share a watermark.

Note

Only the administrator of the computer can select a setting under "Sharing".

6.6 Specifying the Quality tab settings



Font Settings

You can replace the TrueType fonts used in Windows with the printer fonts of this machine.

1 Click the [Font Settings] button.

2 Specify settings for the following:

- Download Font Format: Select the TrueType font downloading method.
- Use Printer Fonts: Replace TrueType fonts with the printer fonts.

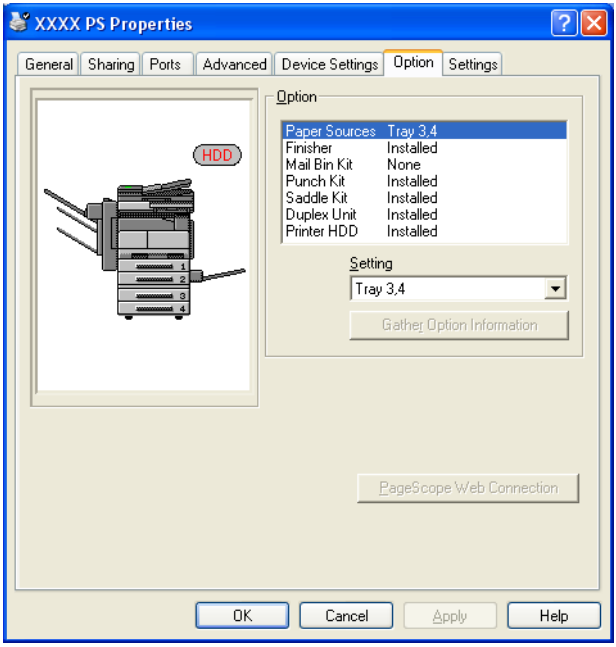
Note

Using the printer fonts will shorten the printing time, however, there may be a difference in the screen display and the print results.

When using TrueType fonts, select from the "Download Font Format" drop-down list the font type to be downloaded to the printer.

Specify the font replacement list from the Device Settings tab.

6.7 Specifying the Option tab settings



You can specify the options installed on this machine so that they can be used from the printer driver.

...

Note

If the installed options are not set from the Option tab, the option function cannot be used with the printer driver. When installing options, be sure to make the proper settings.

Specifying settings

1 For Windows 2000/NT 4.0, click the [Start] button, point to “Settings”, and then click “Printers”.
For Windows XP/Server 2003, click the [Start] button, and then click “Printers and Faxes”.

– If “Printers and Faxes” does not appear in the Start menu, open the Control Panel from the Start menu, select “Printers and Other Hardware”, and then select “Printers and Faxes”.

2 Right-click the “KONICA MINOLTA 350/250/200 PS” icon, and then click “Properties”.

3 Click the Option tab.

4 Select the option, and then specify the installation status from the drop-down list below.

Note

The installed option can be automatically registered in the “Option” list by clicking the [Gather Option Information] button when connected to this machine. However, to execute the Gather Option Information function, the network settings of this machine must be specified in advance.

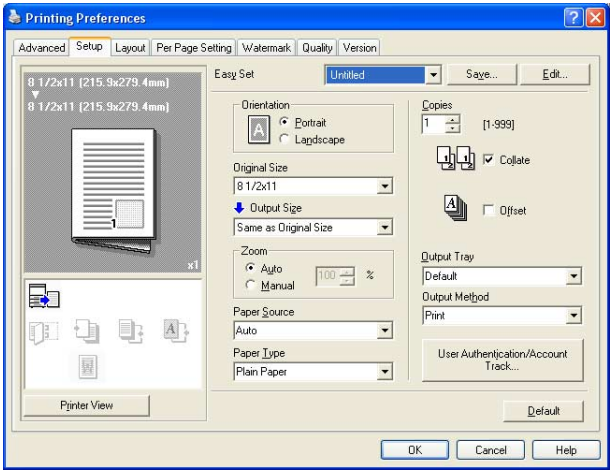
6.8 Saving the driver settings

For PostScript drivers, you can save the setting values of the changed driver and recall them as necessary.

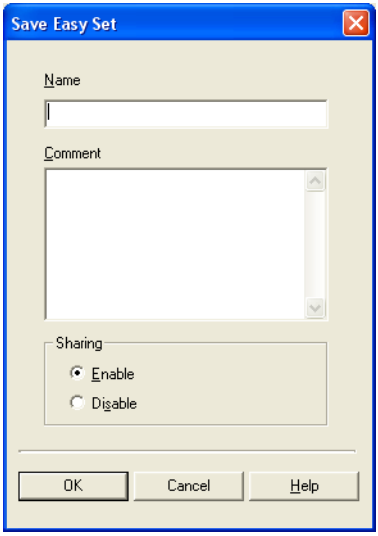
Saving the driver settings

1 Change the driver settings from the Setup tab and the Layout tab.

2 Click the [Save] button.



3 Enter the file name in the “Name” text box.



4 Enter a message in the “Comment” text box as necessary.

5 Specify whether to share.

6 Click the [OK] button.

The settings are registered in a library.

Note

Up to 30 public and 20 private watermarks can be registered.

Only the administrator of the computer can select a setting under “Sharing”.

Up to 30 characters can be entered in the “Name” text box.
Up to 255 characters can be entered in the “Comment” text box.

Restoring the settings

➔ Select the settings to restore from the “Easy Set” drop-down list on the Printing Preferences dialog box.

The setting values are recalled, and the Printing Preferences dialog box appears again.

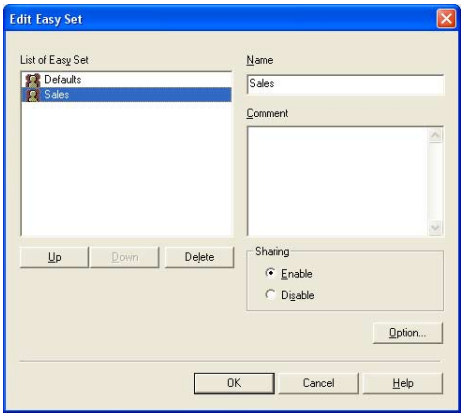
Changing the settings

1 On the Printing Preferences dialog box, click the [Edit] button.

2 From the list, select the file that you want to change, and then change the setting.

To delete the file, click the [Delete] button.

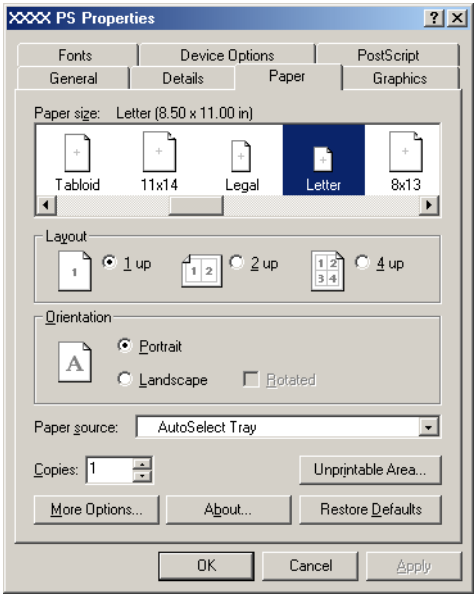
3 Click the [Options] button, check the settings to recall, and then click the [OK] button.



4 Click the [OK] button.

7 Setting up the PPD driver (Windows)

7.1 Settings



Paper tab

Item	Function
Paper size	Specifies the paper size.
Layout	Specifies the number of pages printed on one page.
Orientation	Specifies the orientation.
Rotated	Rotates the paper.
Paper source	Selects the input tray.
Copies	Specifies the number of copies to print.
More Options	Specifies the paper type and output device.

Graphics tab

Item	Function
Resolution	Specifies the print resolution.
Halftone	Specifies the halftone number of lines and the pattern angle.
Special	Prints a negative or mirror image.
Scaling	Specifies the enlargement and reduction ratio.

Device Options tab

To specify the following printer-specific options, right-click the printer icon in the Printers window, and then click “Properties” in the menu that appeared.

Item	Function
Collate	Specifies whether to print multiple copies in sets.
Offset	When printing multiple copies, shifts the output position of each set.
Binding Position	Specifies the binding position.
Duplex	Specifies duplex printing.
Combination	Specifies booklet printing.
Staple	Performs stapling.
Hole-Punch	Performs hole punching.
Center Staple and Fold	Folds the printouts in half and staples.
Front Cover Page	Attaches a front cover page.
Back Cover Page	Attaches a back cover page.
Paper Tray (Cover Page)	Selects the input tray for the front cover page and back cover page.
Transparence Interleave	Inserts interleaves between overhead projector transparencies.
Paper Tray (Transparence Interleave)	Selects the input tray for the transparency interleaves.
Wait Mode	Stops printing temporarily after part of the document has been printed so that the proof print can be checked.

You can specify the following options by right-clicking the printer icon in the Printers window, then clicking “Properties”.

Item	Function
Available printer memory	Specifies the memory installed on this machine.
Installable options	Specifies the options installed on this machine.

PostScript tab

Item	Function
PostScript output format	Specifies the PostScript file output format.
PostScript header	Specifies whether to transmit header information to the printer.
Print PostScript error information	Specifies whether to print PostScript error reports.
PostScript timeout values	Specifies the time for a timeout.

Fonts tab

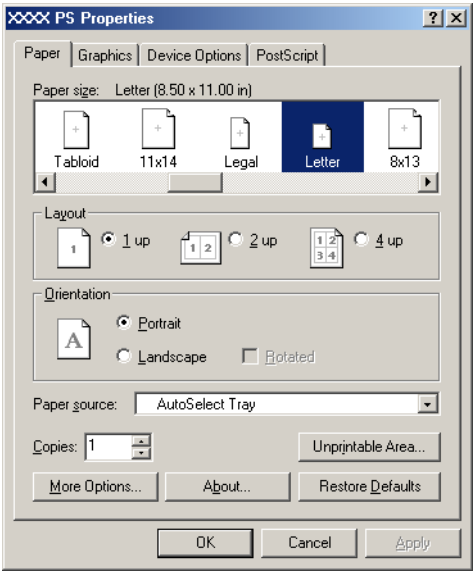
Item	Function
Send TrueType fonts to printer according to the font Substitution Table	Prints the fonts specified in the Font Substitution Table with the printer fonts. The Font Substitution Table can be specified by clicking the [Edit the Table] button.
Always use built-in printer fonts instead of TrueType fonts	Prints all fonts with printer fonts.
Always use TrueType fonts	The printer fonts are not substituted.
Send Fonts As	Specifies the font transmission method.

7.2 Specifying the Paper tab settings

You can specify the orientation and number of pages to be printed on one page when printing.

Specifying settings

1 Click the Paper tab.



2 Specify settings for the following:

- Paper size: Specifies the paper size.
- Layout: Specifies printing multiple pages on one page (N in 1 printing).
- Orientation: Specifies the orientation.
- Rotated: Rotates the paper.
- Paper source: Selects the input tray.
- Copies: Specifies the number of copies to print.
- More Options: Specifies the paper type and output device.

Note

The settings specified on this machine have precedence if multiple copies are specified in "Default Set" of this machine.

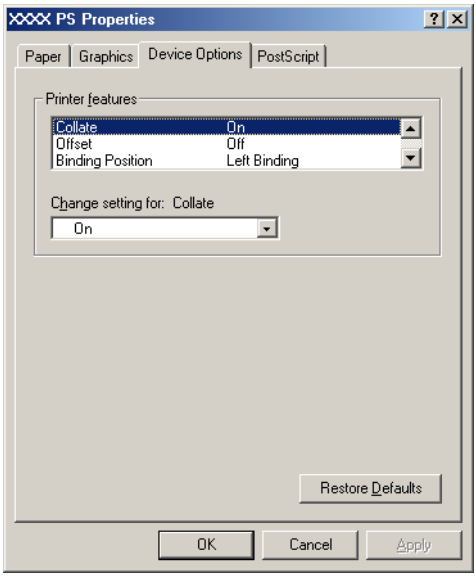
7.3 Specifying the Device Options tab settings

You can specify the advanced functions such as the finisher function and color adjustments from the Device Options tab.

Specifying settings

1 Click the Device Options tab.

2 Select a function, and then select the setting from the “Change setting for” drop-down list.



Detail

For the items and functions that can be specified, refer to “Settings” on page 7-1.

Note

The Center Staple and Fold function is only available when the optional finisher and saddle kit are installed.
The staple function is available only when optional finisher is installed.
The hole punch function is available only when punch unit is installed on optional finisher.

7.4 Specifying options

You can specify the options installed on this machine so that they can be used from the printer driver.

Note

If the installed options are not set from the Device Options tab, the option function cannot be used with the printer driver. When installing options, be sure to make the proper settings.

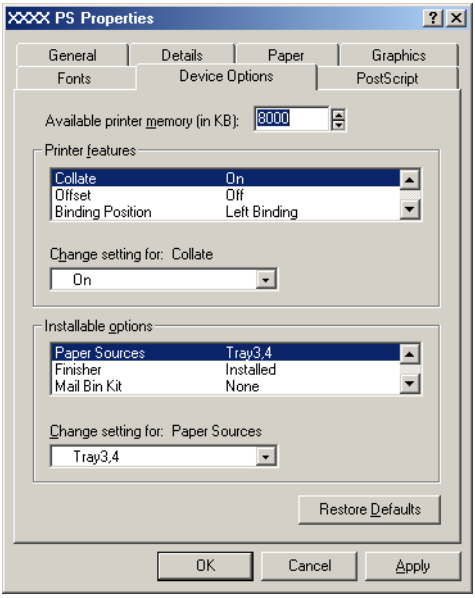
Specifying settings

1 For Windows 98 SE/Me, click the [Start] button, point to “Settings”, and then click “Printers”.

2 Right-click the “KONICA MINOLTA 350/250/200 PS(P)” icon, and then click “Properties”.

3 Click the Device Options tab.

4 Select a function, and then select the setting from the “Change setting for” drop-down list.



Detail

For the items and functions that can be specified, refer to “Settings” on page 7-1.

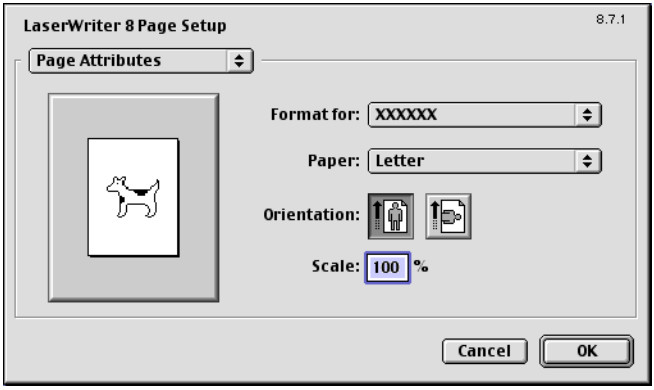
8 Setting up the PPD driver (Mac OS 9.2)

8.1 Settings

The functions of this machine can be specified on the Page Setup and Print dialog boxes displayed from an application.

The settings can only be applied while using the application. When the application is exited, the settings return to their defaults.

Page Setup dialog box



Page Setup items

Menu	Item	Function
Page Attributes	Paper	Specifies the paper size.
	Orientation	Specifies the orientation.
	Scale	Specifies the enlargement and reduction ratio.

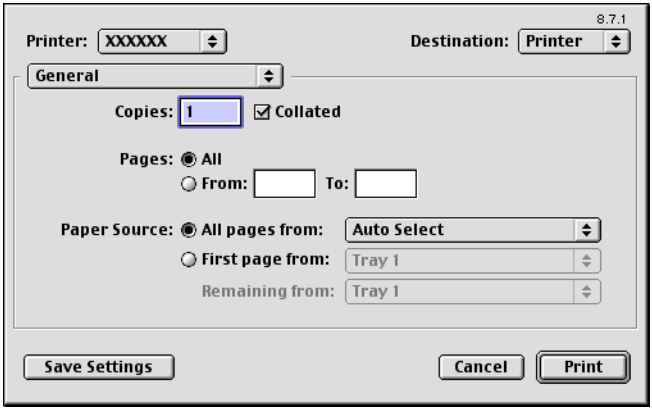
Menu	Item	Function
PostScript Options	Flip Horizontal	Prints the image flipped horizontally.
	Flip Vertical	Prints the image flipped vertically.
	Invert Image	Prints a negative image.
	Substitute Fonts	Replaces some fonts with printer fonts.
	Smooth Text	Smooths text data.
	Smooth Graphics	Smooths graphic data.
	Precision Bitmap Alignment	Corrects jagged graphic images.
	Unlimited Downloadable Fonts	Does not limit downloading screen fonts.
Custom Page Sizes	Paper Size	Specifies any paper size.
	Margins	Specifies the paper margins.
	Custom Page Size Name	Enters the registered name for the specified paper size and margin after the [OK] button is clicked.
	Units	Selects the specified unit.

Note

Depending on the application, "Page Setup" may be displayed as "Paper Setup". In addition, you may have to select "Paper Setup"—"Options" from the "File" menu.

The dialog boxes differ depending on the application.

Print dialog box



Print items

Menu	Item	Function
General	Copies	Specifies the number of copies to print.
	Collated	Prints multiple copies in sets.
	Pages	Specifies the print range to print.
	Paper Source	Selects the input tray.
Color Matching	Print Color	Specifies the color for printing.
	Intent	Selects the matching method.
	Printer Profile	Specifies the color adjustment profile of the output device.
Background Printing	Print in	Specifies background printing.
	Print Time	Specifies the priority level and print time.
Save as File	Format	Specifies the PostScript file output format.
	PostScript Level	Specifies the PostScript level.
	Data Format	Specifies the format to save a document.
	Font Inclusion	Specifies whether to include the font data on a file.
Font Settings	Font Documentation	Adds information to the font key.
	Font Downloading	Specifies the conditions to download fonts.

Menu	Item	Function
Layout	Pages per sheet	Specifies the number of pages to print on one page.
	Layout direction	Specifies the page order for printing multiple pages on one page.
	Border	Specifies the borders around pages.
Job Logging	If there is a PostScript error	Specifies the PostScript error report conditions.
	Job Documentation	Specifies the conditions for the operation record to be saved.
	Job Documentation Folder	Specifies the folder to which the operation record is to be saved.
Cover Page	Print Cover Page	Attaches a cover.
	Cover Page Paper Source	Selects the cover input tray.
Finishing Options 1	Offset	Specifies offset.
	Output Tray	Selects the output tray.
	Binding Position	Specifies the binding position.
	Duplex	Performs duplex printing.
	Combination	Specifies booklet printing.
	Staple	Performs stapling.
	Hole-Punch	Performs hole punching.
Finishing Options 2	Center Staple and Fold	Folds the printouts in half and staples.
	Front Cover Page	Attaches a front cover page.
	Back Cover Page	Attaches a back cover page.
	Paper Tray (Cover Page)	Selects the input tray for the front cover page and back cover page.
	Transparency Interleave	Inserts interleaves between overhead projector transparencies.
	Paper Tray (Transparency Interleave)	Selects the input tray for the transparency interleaves.
	Wait Mode	Stops printing temporarily after part of the document has been printed so that the proof print can be checked.
Finishing Options 3	Resolution	Specifies the print resolution.

Note

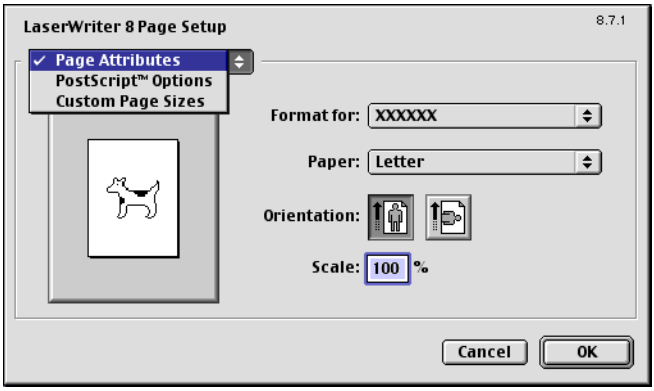
The dialog boxes differ depending on the application.

8.2 Page Setup

Page Attributes (basic settings)

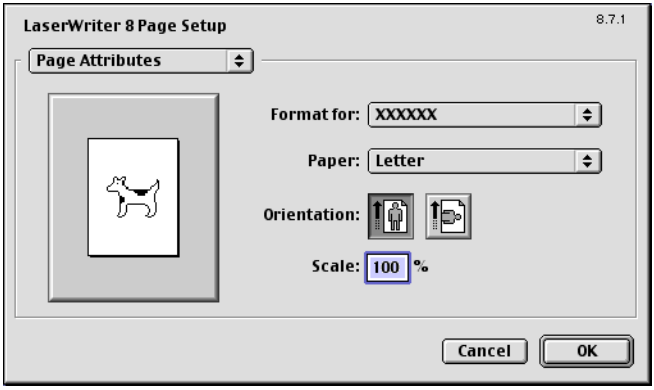
1 Select “Page Setup” or “Paper Setup” from the “File” menu.

2 Select “Page Attributes”.



3 Specify settings for the following:

- Paper: Specify the paper size.
- Orientation: Specify the orientation.
- Scale: Specify the enlargement and reduction ratio.



Note

The folding function can be selected from the screen that is displayed when "Layout" is selected in the Print dialog box.

Custom Page Sizes

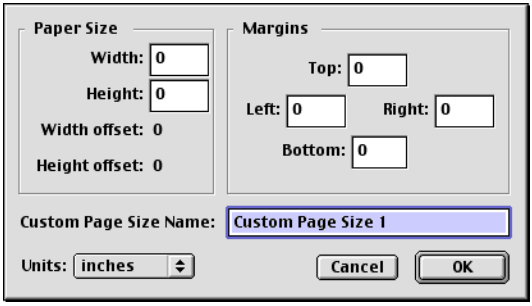
1 Select "Page Setup" or "Paper Setup" from the "File" menu.

2 Select "Custom Paper Sizes".

3 Click the [New] button.

4 Specify settings for the following:

- Paper Size: Specifies the paper size.
- Margins: Specifies the paper margins.
- Custom Page Size Name: Enter the registered name for the specified paper size and margins, and then click the [OK] button.
- Units: Selects the specified unit.



5 Click the [OK] button.

This registers the custom page settings which allows you to select the paper in the screen that appears when "Page Attributes" is selected.

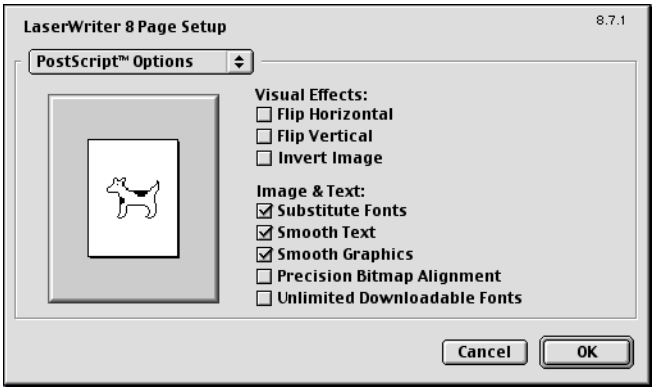
PostScript Options

1 Select “Page Setup” or “Paper Setup” from the “File” menu.

2 Select “PostScript Options”.

3 Specify settings for the following:

- Visual Effects: Provides “Flip Horizontal”, “Flip Vertical”, and “Invert Image” (negative image).
- Substitute Fonts: Replaces some fonts with printer fonts.
- Smooth Text: Smooths text data.
- Smooth Graphics: Smooths graphic data.
- Precision Bitmap Alignment: Corrects jagged graphic images.
- Unlimited Downloadable Fonts: Does not limit downloading screen fonts.

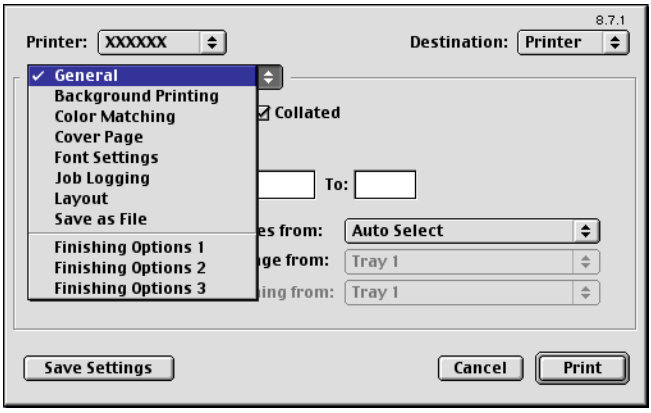


8.3 Printing

General (basic settings)

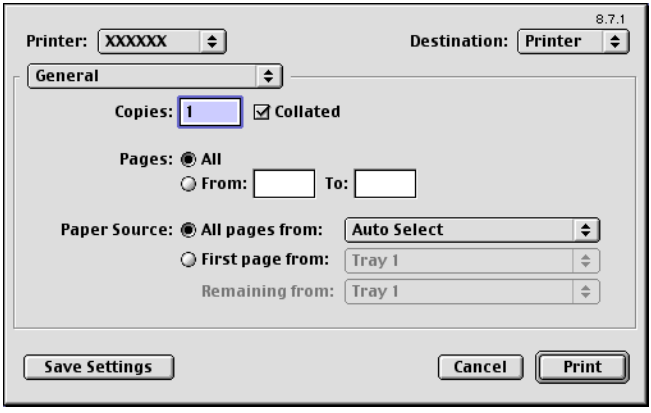
1 From the “File” menu, select “Print”.

2 Select “General”.



3 Specify settings for the following:

- Copies: Specifies the number of copies to print.
- Collated: Prints multiple copies in sets.
- Pages: Specifies the print range to print.
- Paper Source: Selects the input tray.



...

Note

The settings specified on this machine have precedence if multiple copies are specified in "Default Set" of this machine.

Layout (printing multiple pages on one page)

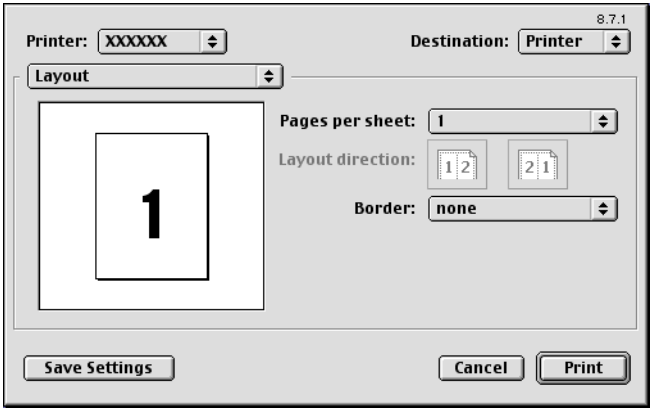
You can specify printing multiple pages on one page of paper or duplex printing.

1 From the "File" menu, select "Print".

2 Select "Layout".

3 Specify settings for the following:

- Pages per sheet: Specifies the number of pages to print on one page.
- Layout direction: Specifies the document page order.
- Border: Specifies the borders around pages.



Printer specific options (finishing options 1 to 3)

You can specify printer-specific options. You can specify these options when using the staple or hole punch functions of this machine.

1 From the “File” menu, select “Print”.

2 Select “Finishing Options 1 to 3”.

3 Specify settings for the following:

- Offset: Specifies offset.
- Output Tray: Selects the output tray.
- Binding Position: Specifies the binding position.
- Duplex: Performs duplex printing.
- Combination: Specifies booklet printing.
- Staple: Performs stapling.
- Hole-Punch: Performs hole punching.
- Center Staple and Fold: Folds the printouts in half and staples.
- Front Cover Page: Attaches a front cover page.
- Back Cover Page: Attaches a back cover page.
- Paper Tray (Cover Page): Selects the input tray for the front cover page and back cover page.
- Transparency Interleave: Inserts interleaves between overhead projector transparencies.
- Paper Tray (Transparency Interleave): Selects the input tray for the transparency interleaves.
- Wait Mode: Stops printing temporarily after part of the document has been printed so that the proof print can be checked.
- Resolution: Specifies the resolution.

...

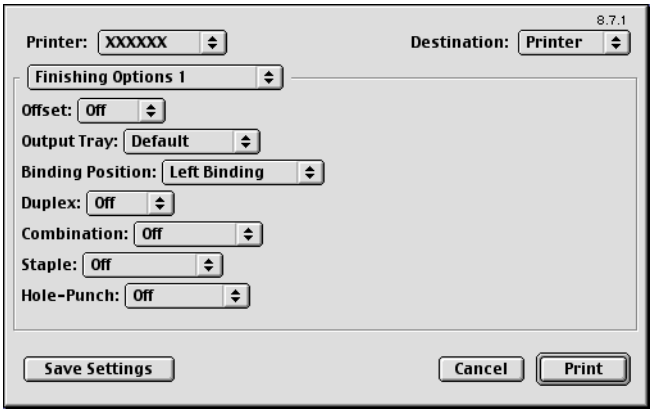
Note

The Center Staple and Fold function is only available when the optional finisher and saddle kit are installed.

The staple function is available only when optional finisher is installed.

The hole punch function is available only when punch unit is installed on optional finisher.

You cannot specify settings in "Back Cover Page" only. Specify settings in "Back Cover Page" and "Front Cover Page" at the same time.



8.4 Specifying options

You can specify the options installed on this machine so that they can be used from the printer driver.

Reminder

If the installed options on this machine are not set from "Options Installed 1" or "Options Installed 2", the option function cannot be used with the printer driver. When installing options, be sure to make the proper settings.

To specify options

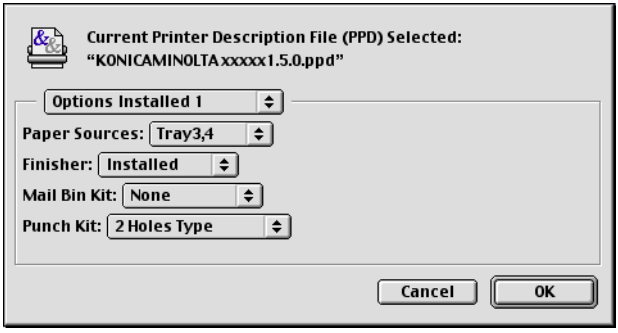
1 On the Apple menu, click "Chooser".

2 Select the printer name.

3 Click the [Setup] button.

4 Click the [Configure] button

The setting screen for adding options appears.



5 Select the option that is installed on this machine from "Options Installed 1" and "Options Installed 2".

6 Click the [OK] button.

The Chooser window appears again.

7 Close the Chooser window.

...

Note

The option settings are displayed automatically the first time the printer driver is selected. For details, refer to “Selecting a printer” on page 2-18.

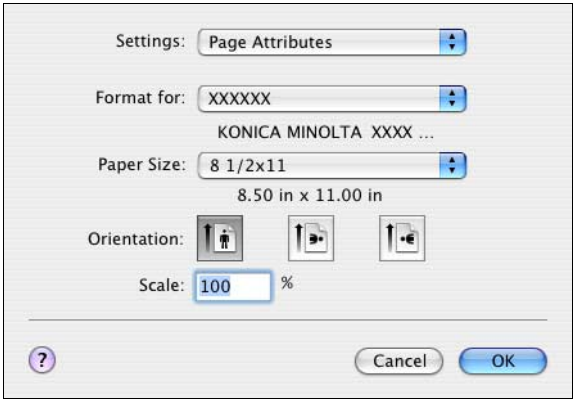
9 Setting up the PPD driver (Mac OS X)

9.1 Settings

The functions of this machine can be specified on the “Page Setup” and “Print” dialog boxes recalled from the application.

The settings can only be applied while using the application. When the application is exited, the settings return to their defaults.

Page Setup dialog box



Page Setup items

Menu	Item	Function
Page Attributes	Paper Size	Specifies the paper size.
	Orientation	Specifies the orientation.
	Scale	Specifies the enlargement and reduction ratio.
Custom Page Size	Paper Size	Specifies any paper size.
	Printer Margins	Specifies the paper margins.

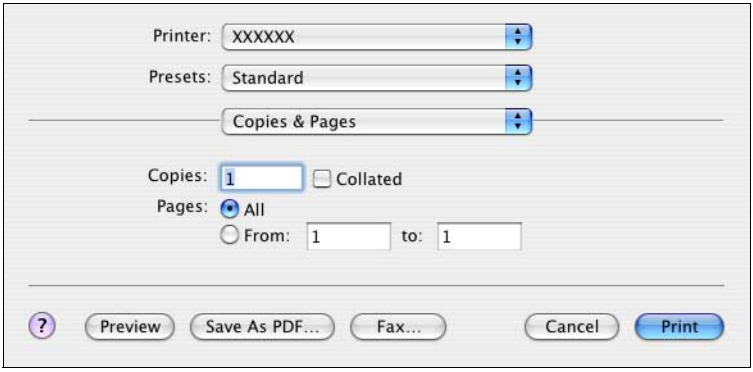
Note

Depending on the application, "Page Setup" may be displayed as "Paper Setup". In addition, you may have to select "Paper Setup"—"Options" from the "File" menu.

The dialog boxes differ depending on the application.

To specify the "Custom Paper Size" settings for Mac OS 10.4, select "Manage Custom Sizes" from the "Paper Size" drop-down list.

Print dialog box



Print items

Menu	Item	Function
Copies & Pages	Copies	Specifies the number of copies to print.
	Collated	Do not select the "Collated" check box. Specify this setting in the sort function.
	Pages	Specifies the print range to print.
Layout	Pages per Sheet	Specifies the number of pages to print on one page.
	Layout Direction	Specifies the page order for printing multiple pages on one page.
	Border	Specifies the borders around pages.
Output Options*2	Save as File	Specifies the output format of a file.
	Format	Specifies the format of the file being output.
Scheduler*1	Print Document	Specifies the print time.
	Priority	Specify the priority level.

Menu	Item	Function
Paper Handling*1	Reverse page order (Page Order)	Prints pages in the reverse order.
	Print	Specifies the pages for printing.
	Destination paper size *3	Specifies the output paper size.
ColorSync*1	Color Conversion	Specifies the color conversion method.
	Quartz Filter	Specifies the color for printing.
Cover Page*1	Print Cover Page	Specifies whether to attach a cover page.
	Cover Page Type	Selects to print “Confidential” or other comments on the cover page.
Error Handling	Billing Info	Enters the user information used for the account calculation.
	PostScript Error is	Specifies whether to print an error report when a PostScript error occurs.
Paper Feed	Tray Switching	Switches the paper source tray (this function cannot be selected on this machine).
	All pages from	Selects the input tray.
	First page from	Selects the input tray.
	Remaining from	Selects the input tray.
Setup	Paper Type	Selects the paper type....type (this function cannot be selected on this machine).
	Front Cover Page	Attaches a front cover page.
	Back Cover Page	Attaches a back cover page.
	Paper Tray (Cover Page)	Selects the input tray for the front cover page and back cover page.
	Transparency Interleave	Inserts interleaves between overhead projector transparencies.
	Paper Tray (Transparency Interleave)	Selects the input tray for the transparency interleaves.
Finishing	Collate	Prints multiple copies in sets.
	Offset	Specifies offset.
	Duplex	Performs duplex printing.
	Output Tray	Selects the output tray.
	Binding Position	Specifies the binding position.
	Combination	Specifies booklet printing.
	Staple	Performs stapling.
	Hole-Punch	Performs hole punching.
	Center Staple and Fold	Folds the printouts in half and staples.

Menu	Item	Function
Security	Output Method	Specifies output methods, such as “Secure Print” and “Save in User Box”.
	Secure Print Settings	Specifies user ID and password for “Secure Print”.
	Save in User Box Settings	Specifies the file name and box name for “Save in User Box”.
	User Authentication	Checks if using user authentication and specifies user name and password.
	Account Track	Checks if account track settings have been applied and specifies the account name and password.

Note

The dialog boxes differ depending on the application.

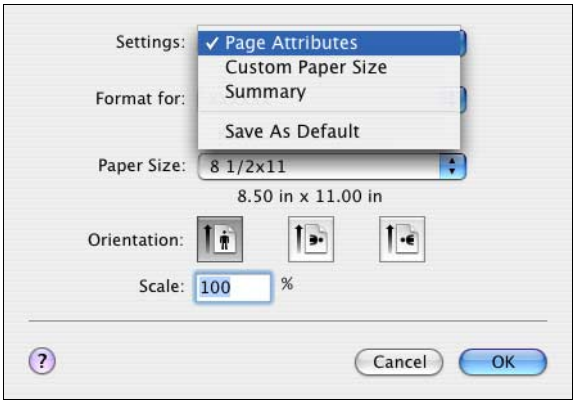
*The items indicated by “*1” are displayed in Mac OS X 10.3 and Mac OS X 10.4.*
*The items indicated by “*2” are displayed only in Mac OS X 10.3.*
*The items indicated by “*3” are displayed only in Mac OS X 10.4.*

9.2 Page Setup

Page Attributes (basic settings)

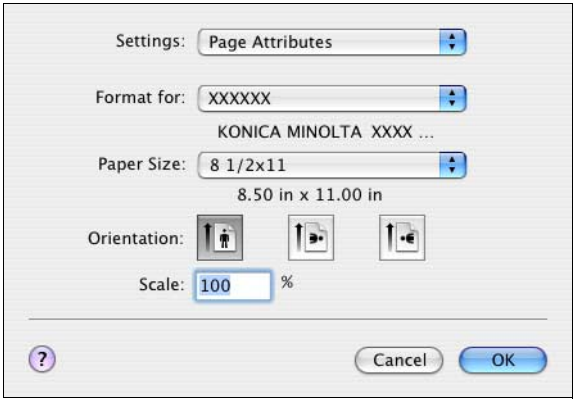
1 Select “Page Setup” or “Paper Setup” from the “File” menu.

2 Select “Page Attributes”.



3 Specify settings for the following:

- Paper Size: Specifies the paper size.
- Orientation: Specify the orientation.
- Scale: Specify the enlargement and reduction ratio.



Custom Page Size

1 Select “Page Setup” or “Paper Setup” from the “File” menu.

2 For Mac OS X 10.3, select “Custom Paper Size” from Settings.

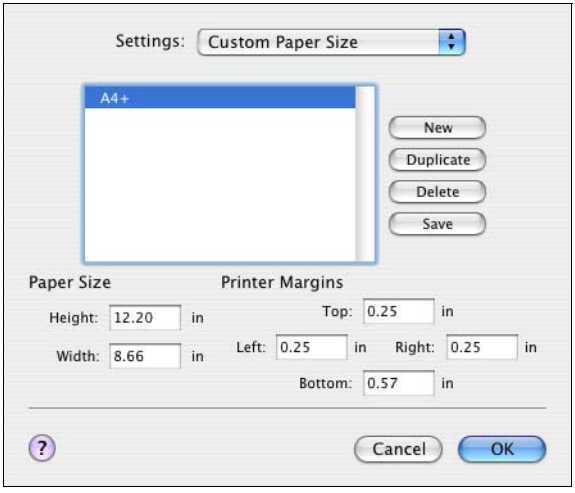
– For Mac OS X 10.4, select “Manage Custom Sizes” from the Paper Size list.

3 Click the [New] button (Mac OS X 10.3) or the [+] button (Mac OS X 10.4).

4 Enter the paper size name.

5 Specify settings for the following:

– Paper Size: Specifies any paper size.
– Printer Margins: Specifies the paper margins.



6 For Mac OS X 10.3, click the [Save] button.

– For Mac OS X 10.4, proceed to step 7.

7 Click the [OK] button.

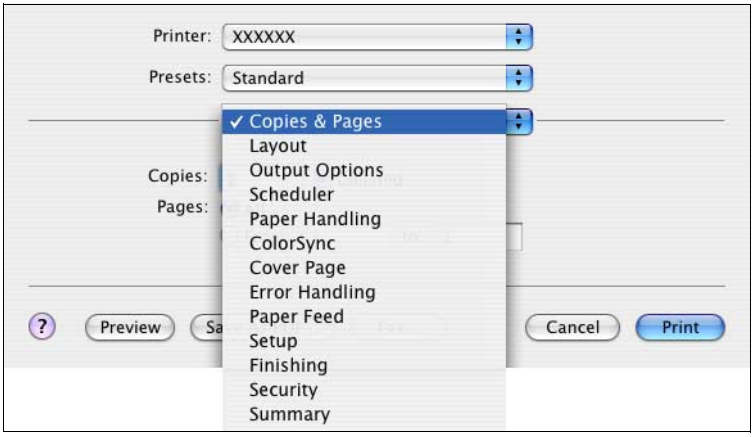
This registers the custom paper size which allows you to select the paper size in the screen that appears when “Page Attributes” is selected.

9.3 Printing

Copies & Pages (Standard settings)

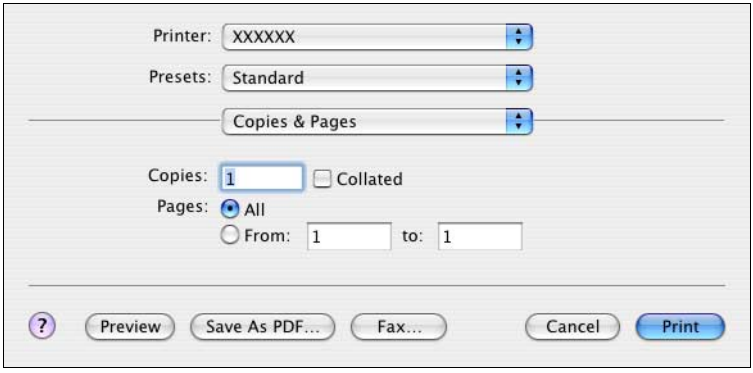
1 From the “File” menu, select “Print”.

2 Select “Copies & Pages”.



3 Specify settings for the following:

- Copies: Specifies the number of copies to print.
- Collated: Do not select the “Collate” check box. Specify this setting in the sort function.
- Pages: Specifies the print range to print.



Note

The settings specified on this machine have precedence if multiple copies are specified in "Default Set" of this machine.

Layout (printing multiple pages on one page)

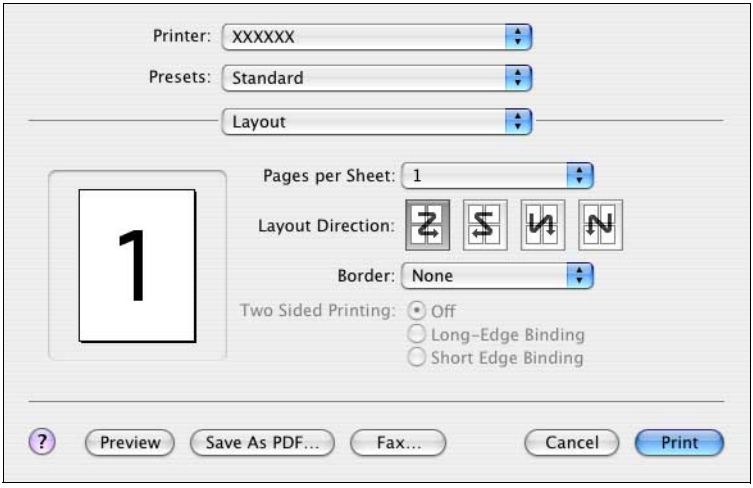
You can print multiple pages on one page.

1 From the "File" menu, select "Print".

2 Select "Layout".

3 Specify settings for the following:

- Pages per Sheet: Specifies the number of pages to print on one page.
- Layout Direction: Specifies the page order for printing multiple pages on one page.
- Border: Specifies the borders around pages.



Paper Feed

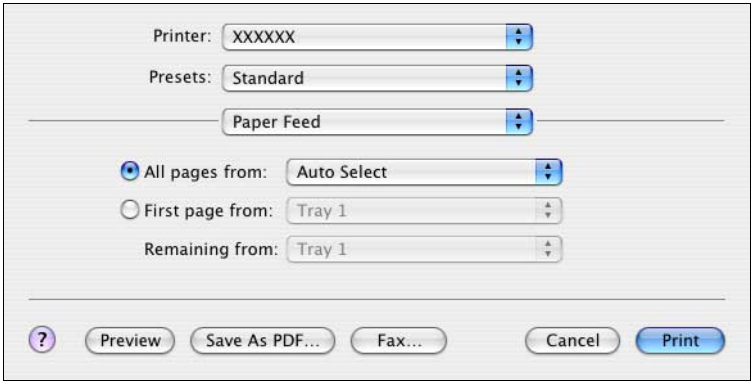
You can specify the input tray for printing.

1 From the “File” menu, select “Print”.

2 Select “Paper Feed”.

3 Specify settings for the following:

- All pages from: Selects the input tray to print all pages.
- First page from: Selects the input tray to print the first page.
- Remaining from: Selects the input tray to print from the second page.



Setup

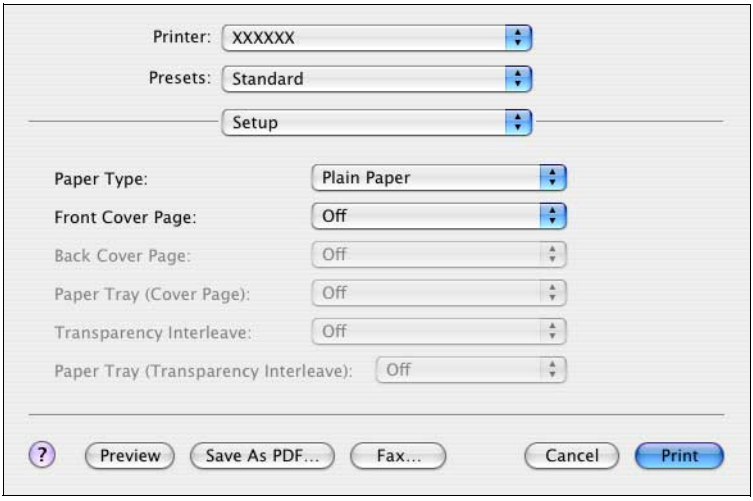
You can specify the cover page settings.

1 From the “File” menu, select “Print”.

2 Select “Setup”.

3 Specify settings for the following:

- Paper Type: Selects the paper type.
- Front Cover Page: Attaches a front cover page.
- Back Cover Page: Attaches a back cover page.
- Paper Tray (Cover Page): Selects the input tray for the front cover page and back cover page.
- Transparency Interleave: Inserts interleaves between overhead projector transparencies.
- Paper Tray (Transparency Interleave): Selects the input tray for the transparency interleaves.



You cannot specify settings in “Back Cover Page” only. Specify settings in “Back Cover Page” and “Front Cover Page” at the same time.

Finishing

You can specify these options when using the staple or hole punch finisher functions of this machine.

1 From the “File” menu, select “Print”.

2 Select “Finishing”.

3 Specify settings for the following:

- Collate: Prints multiple copies in sets.
- Offset: Specifies offset.
- Duplex: Performs duplex printing.
- Output Tray: Selects the output tray.
- Binding Position: Specifies the binding position.
- Combination: Specifies booklet printing.
- Staple: Performs stapling.
- Hole-Punch: Performs hole punching.
- Center Staple and Fold: Folds the printouts in half and staples.

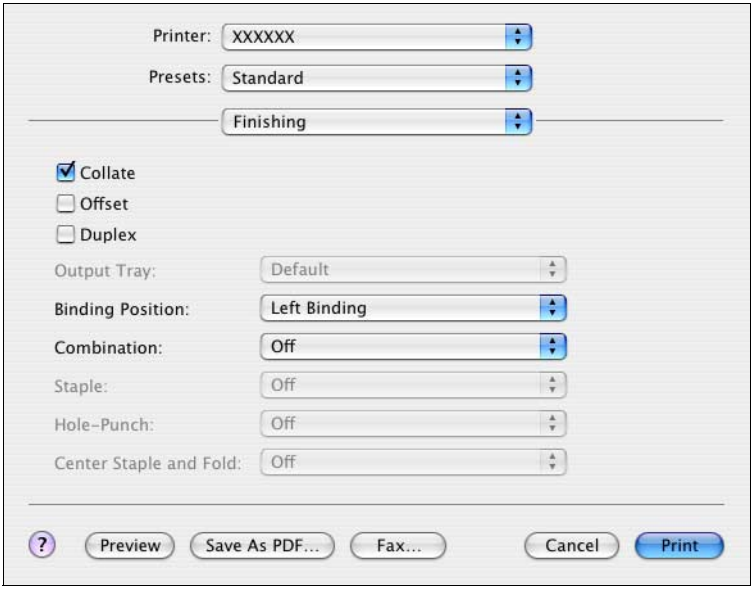
...

Note

The Center Staple and Fold function is only available when the optional finisher and saddle kit are installed.

The staple function is available only when optional finisher is installed.

The hole punch function is available only when punch unit is installed on optional finisher.



Security

Not only can you print directly, but you can select “Secure Print”, which requires a password to print, “Save in User Box”, which saves documents in the document folder, “Proof and Print”, which prints the first set of multiple copies and temporarily stops printing, “User Authentication”, which requires user authentication, and “Account Track”, which manages the number of printed pages.

The Save in User Box function can only be used when an optional hard disk is installed.

1 From the “File” menu, select “Print”.

2 Select “Security”.

3 Specify settings for the following:

- Output Method: Specifies conditions for “Secure Print” and “Save in User Box”.
- Secure Print Settings: Enters ID and password when “Secure Print” is selected from the “Output Method” drop-down list. Enter the ID and password on this machine’s control panel when printing.
- Save in User Box Settings: Enters the file name when “Save in User Box” or “Save in User Box and Print” is selected from the “Output Method” drop-down list.
- User Authentication: Enters the user name and password when user authentication settings have been applied on this machine and when the check box is selected.
- Account Track: Enters the access name and password when the account track settings have been applied on this machine and when the check box is selected.

Detail

If a print job is sent using a user name or password that is not a registered account on this machine or if a job is sent without the “User Authentication” check box selected, this machine cannot authenticate the operation and cannot print. When this occurs, the sent job is deleted.

If a print job is sent using a department name or password that is not a registered account or if a job is sent without the “Track Account” check box selected, this machine cannot authenticate the operation and cannot print. When this occurs, the sent job is deleted.

When user authentication is specified on this machine and the Enhance Security mode is enabled or when Access Lock is enabled on the software DIP switch, the corresponding user may be locked out and denied access if the authentication information is not entered correctly.

For details on user authentication and Enhance Security mode, refer to User's Guide [Copy Operations].

Detail

Print the document from the control panel of this machine. For details, refer to "Print job management" on page 10-77.

Proof and Print can be specified when "Collated" is specified.

When a password rule is enabled on this machine, passwords that are usable in Secure Print are limited and jobs are deleted when a password that does not meet the password rule is entered. For the password rules, refer to User's Guide [Copy Operations].

For details on the box functions of this machine, refer to User's Guide [Box Operations].

9.4 Specifying options

You can specify the options installed on this machine so that they can be used from the printer driver.

Reminder

If the installed options on this machine are not set from "Installable Options", the option function cannot be used with the printer driver. When installing options, be sure to make the proper settings.

Specifying options

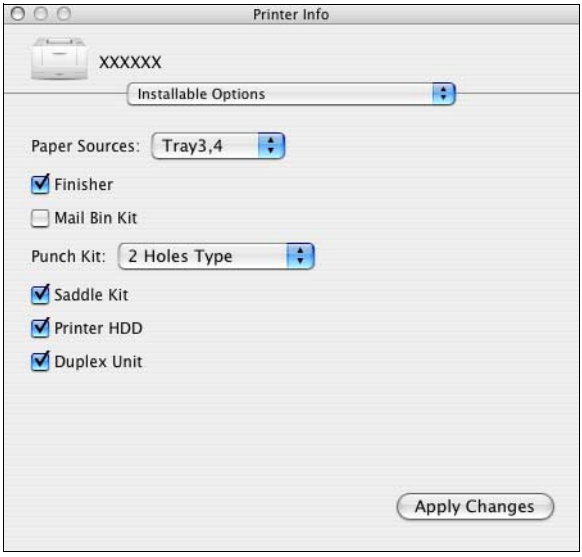
1 Open Print Center or Print Setting Utility located in "Applications"– "Utilities" of "Hard Disk" and specify the printer model.

2 From the [Printer] menu, select "Show Info".

The Printer Info dialog box appears.

3 Select "Installable Options".

4 Select the options that are installed on this machine.



5 Click the [Apply Changes] button or click [ ], to close the Printer Info dialog box.

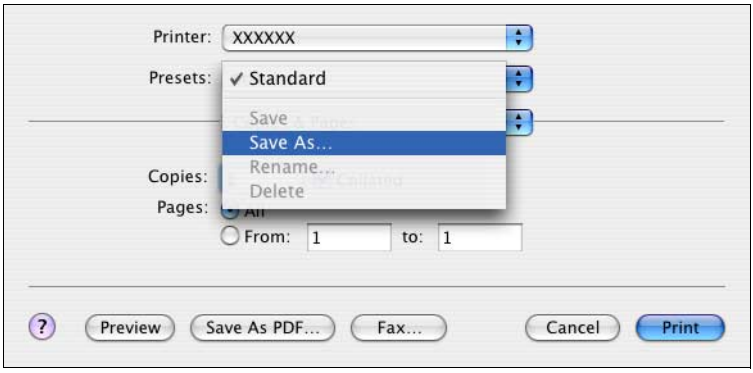
9.5 Saving the driver settings

For Mac OS X drivers, you can save the setting values of the changed driver and recall them as necessary.

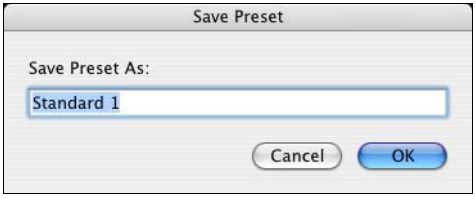
Saving the driver settings

1 Change the driver settings in “Copies & Pages” and “Layout”.

2 From “Presets”, click “Save As”.



3 Enter the preset name in “Save Preset As”.



4 Click the [OK] button.

The settings are registered in the preset settings.

Restoring the settings

➔ Select “Presets” from the Print dialog box to recall the settings.
The setting values are recalled, and the printer driver dialog box appears again.

Changing the settings

1 Select “Presets” from the Print dialog box to change the settings.

2 Change the driver settings in “Copies & Pages” and “Layout”.

3 From “Presets”, click “Save”.

To delete, click “Delete”. To change the name, click “Rename”.
The preset settings are changed.

10 Various settings

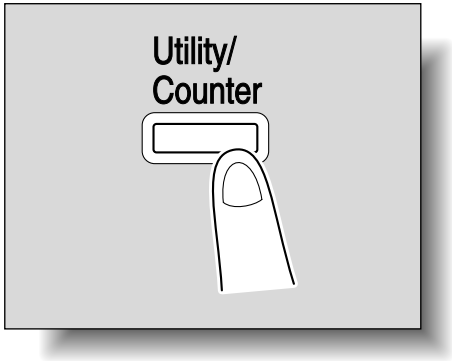
10.1 Printer settings on the control panel

You can change the various printer settings on this machine's control panel.

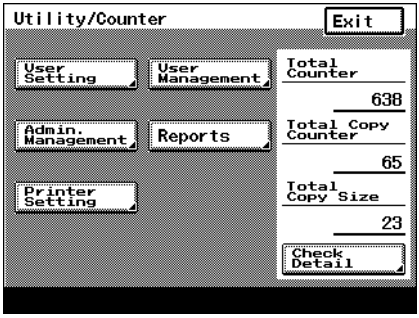
Printer settings

To display the Printer Setting screen

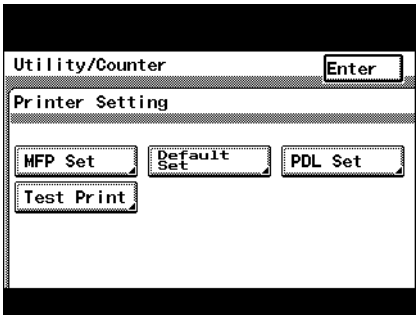
1 Press the [Utility/Counter] key.



2 Touch [Printer Setting].

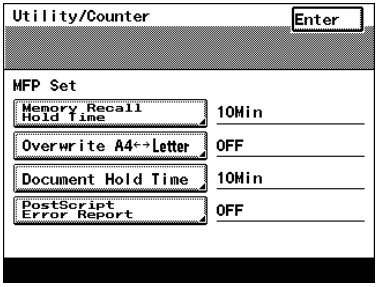


3 Touch the desired setting button.

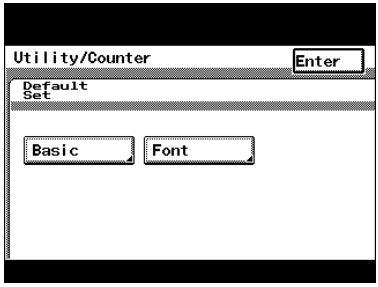


The setting screen of the desired setting appears.

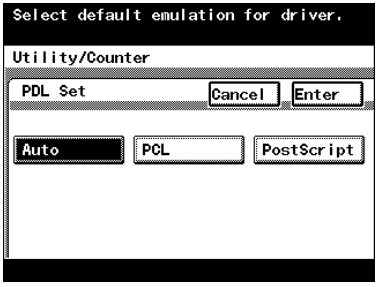
4 Specify settings for the following:



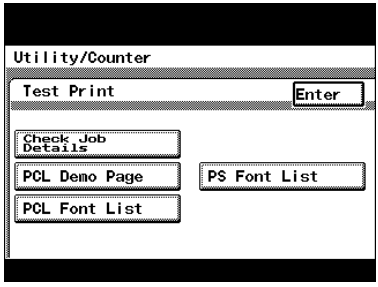
MFP Set screen



Default Set screen



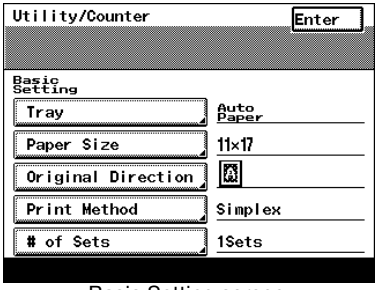
PDL Set screen



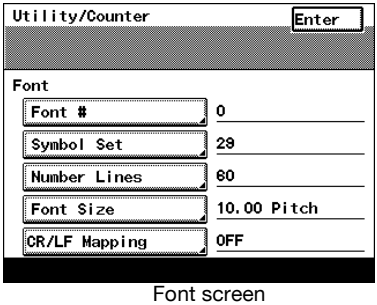
Test Print screen

Note

To quit specifying the printer settings, touch [Enter] until the screen for the Copy, Fax, Scan, or Box mode appears.
The default screens are shown below and each setting can be specified.



Basic Setting screen



Font screen

MFP Set

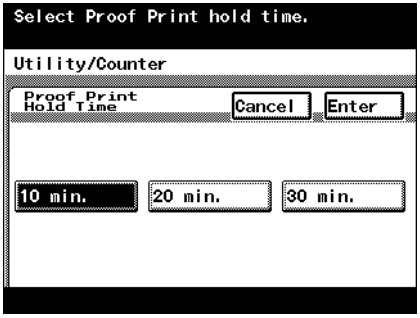
Detail

For details on displaying the MFP Set screen, refer to "Printer settings" on page 10-1.

Proof-Print Hold Time

The print data is deleted if the set time is not specified for printing the data. You can specify to print data that is being held in 10, 20, or 30 minutes. (Default setting: 10 min.)

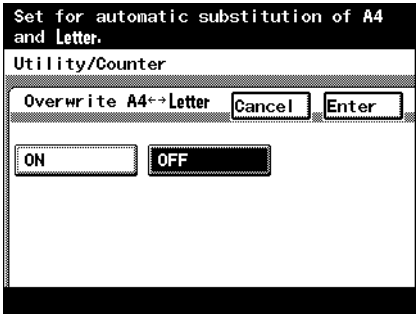
➔ After changing the setting, touch [Enter].



Overwrite A4← →Letter

You can substitute letter size and 11×17-inch size with A4 or A3 size paper. When letter size paper is not loaded and letter size paper has been specified to print, you can print on A4 size paper, which is close in size to letter size paper, and not cause an error. (Default setting: OFF)

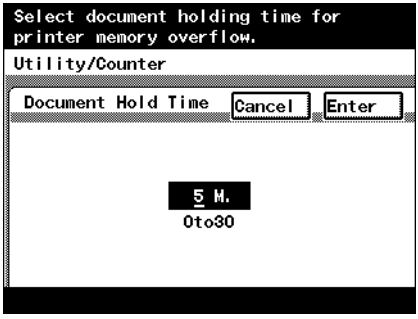
➔ After changing the setting, touch [Enter].
- ON: Substitutes letter size paper for A4 size paper when A4 size paper is not available. Substitutes 11×17-inch size paper with A3 size paper when 11×17-inch size paper is not available.
- OFF: Does not substitutes letter size or 11×17-inch size paper with other paper sizes even when letter size or 11×17-inch size paper are not available.



Document Hold Time

You can specify the minutes until a job that is being received is deleted when the memory has exceeded capacity when spooling. (Default setting: 5 M.)

➔ After using the keypad to type in a value, touch [Enter].
- 0to30: Specifies the time in which to delete the data.



Note

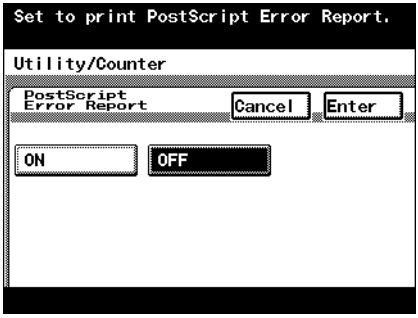
If a value outside of the allowable range is specified, the setting cannot be changed even when [Enter] is touched. Type in a value within the allowable range.

To cancel changes to the settings, touch [Cancel].

PostScript Error Report

You can specify whether to print the error message when an error occurs during PS rasterization. (Default setting: OFF)

➔ After changing the setting, touch [Enter].
- ON: Prints the error message.
- OFF: Does not print the error message.



Default Set

In Default Set you can specify the settings for “Basic” and “Font”.

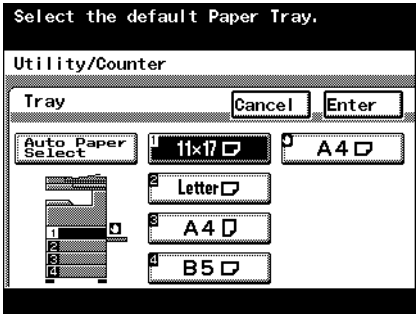
Detail

For details on displaying the Default Set screen, refer to “Printer settings” on page 10-1.

Basic Setting - Tray

You can specify the input tray to use when none has been specified. (Default setting: Auto Paper Select)

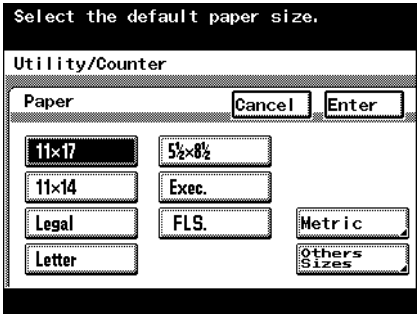
➔ On the Basic Setting screen, touch [Tray] to display the setting screen. After changing the setting, touch [Enter].



Basic Setting - Paper Size

You can specify the paper size to use when no setting has been specified. (Default setting: Letter)

➔ On the Basic Setting screen, touch [Paper Size] to display the setting screen. After changing the setting, touch [Enter].



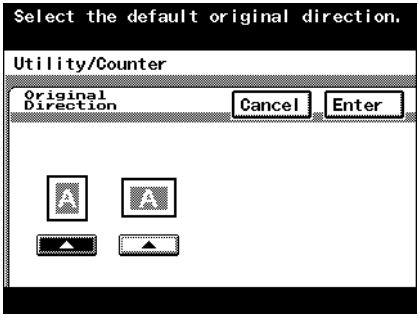
Note

When selecting [8K], [16K], [envDL], or [env Monarch], you can only specify the paper size even when "envDL", "env Monarch", or "Postcard" has been selected. You cannot specify envelops and thick paper as a paper type. Touch [Others Sizes].

Basic Setting - Original Direction

You can specify the orientation of the printed image when none has been specified. (Default setting: Portrait)

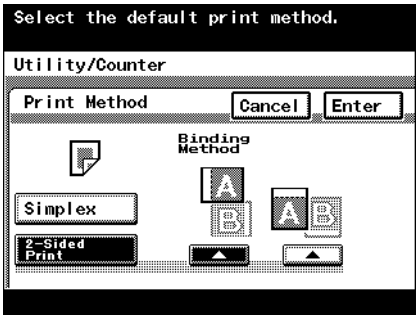
➔ On the Basic Setting screen, touch [Original Direction] to display the setting screen. After changing the setting, touch [Enter].
- Portrait: Prints the image vertically on the page.
- Landscape: Prints the image horizontally on the page.



Basic Setting - Print Method

You can specify whether to perform duplex printing when the print method has not been specified. (Default setting: Simplex)

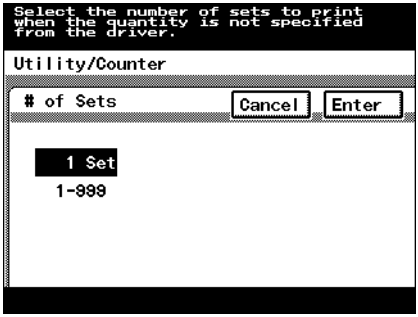
➔ On the Basic Setting screen, touch [Print Method] to display the setting screen. After changing the setting, touch [Enter].
- 2-Sided Print: Performs duplex printing. You can select the binding orientation.
- Simplex: Performs simplex printing.



Basic Setting - Sets

You can specify the number of copies to print when no setting has been specified. (Default setting: 1 Set)

➔ On the Basic Setting screen, touch [# of Sets] to display the setting screen. After using the keypad to type in a value, touch [Enter].



Detail

For the PPD driver, the settings specified on this machine have precedence if multiple copies are specified in "Default Set - Basic Setting - # of Sets" of this machine.

Note

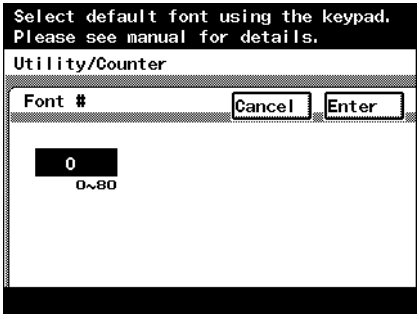
A value outside the allowable range cannot be specified. Type in a value within the allowable range.

To cancel changes to the settings, touch [Cancel].

Font - Font #

You can specify the font to use when none has been specified. (Default setting: 0)

➔ On the Font screen, touch [Font #] to display the setting screen. After using the keypad to type in a value, touch [Enter].



Note

A value outside the allowable range cannot be specified. Type in a value within the allowable range.

To cancel changes to the settings, touch [Cancel].

Font list

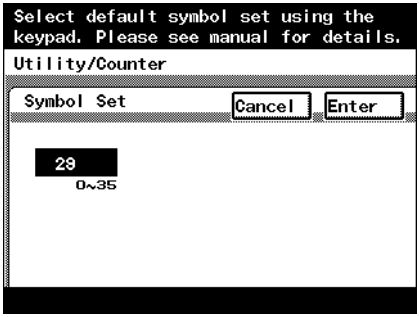
No.	Font	No.	Font
0	Courier	32	Arial Bold Italic
1	CG Times	33	Times New Roman
2	CG Times Bold	34	Times New Roman Bold
3	CG Times Italic	35	Times New Roman Italic
4	CG Times Bold Italic	36	Times New Roman Bold Italic
5	CG Omega	37	Helvetica
6	CG Omega Bold	38	Helvetica Bold
7	CG Omega Italic	39	Helvetica Oblique
8	CG Omega Bold Italic	40	Helvetica BoldOblique
9	Coronet	41	Helvetica Narrow
10	Clarendon Condensed	42	Helvetica Narrow Bold
11	Univers Medium	43	Helvetica Narrow Oblique
12	Univers Bold	44	Helvetica Narrow Bold Oblique
13	Univers Medium Italic	45	Palatino Roman
14	Univers Bold Italic	46	Palatino Bold
15	Univers Condensed Medium	47	Palatino Italic
16	Univers Condensed Bold	48	Palatino Bold Italic
17	Univers Condensed Medium Italic	49	ITC Avant Garde Gothic Book
18	Univers Condensed Bold Italic	50	ITC Avant Garde Gothic Demi
19	Antique Olive	51	ITC Avant Garde Gothic Book Oblique
20	Antique Olive Bold	52	ITC Avant Garde Gothic Demi Oblique
21	Antique Olive Italic	53	ITC Bookman Light
22	Garamond Antiqua	54	ITC Bookman Demi
23	Garamond Halbfett	55	ITC Bookman Light Italic
24	Garamond Kursiv	56	ITC Bookman Demi Italic
25	Garamond Kursiv Halbfett	57	New Century Schoolbook Roman
26	Marigold	58	New Century Schoolbook Bold
27	Albertus Medium	59	New Century Schoolbook Italic
28	Albertus Extra Bold	60	New Century Schoolbook Bold Italic
29	Arial	61	Times Roman
30	Arial Bold	62	Times Bold
31	Arial Italic	63	Times Italic

No.	Font	No.	Font
64	Times Bold Italic	73	Letter Gothic
65	ITC Zapf Chancery	74	Letter Gothic Bold
66	Symbol	75	Letter Gothic Italic
67	SymbolPS	76	CourierPS
68	Wingdings	77	CourierPS Bold
69	ITC Zapf Dingbats	78	CourierPS Oblique
70	Courier Bold	79	CourierPS Bold Oblique
71	Courier Italic	80	Line Printer
72	Courier Bold Italic		

Font - Symbol Set

You can specify the symbol set to use when none has been specified. (North American model default setting: 29, Other model default setting: 19)

➔ On the Font screen, touch [Symbol Set] to display the setting screen. After using the keypad to type in a value, touch [Enter].



Note

A value outside the allowable range cannot be specified. Type in a value within the allowable range.

To cancel changes to the settings, touch [Cancel].

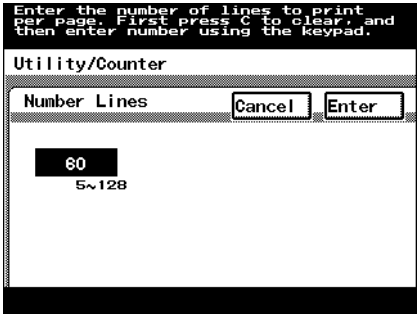
Symbol set list

No.	Symbol set	No.	Symbol set
0	Desktop	18	PC-775
1	ISO 4: United Kingdom	19	PC-8, Code Page 437
2	ISO 6: Ascii	20	PC-850 Multilingual
3	ISO11: Swedish	21	PC-852 Latin 2
4	ISO15: Italian	22	PC-858 Multilingual
5	ISO17: Spanish	23	PC-8 Turkish
6	ISO21: German	24	PC-8 Danish/Norw
7	ISO60: Danish/Norw	25	PC-1004
8	ISO69: French	26	PI Font
9	ISO 8859/1 Latin 1	27	PS Math
10	ISO 8859/2 Latin 2	28	PS Text
11	ISO 8859/9 Latin 5	29	Roman-8
12	ISO 8859/10 Latin 6	30	Windows 3.0 Latin 1
13	ISO 8859/15 Latin 9	31	Windows Baltic
14	Legal	32	Windows 3.1 Latin 1
15	Math-8	33	Windows 3.1 Latin 2
16	MC Text	34	Windows 3.1 Latin 5
17	Microsoft Publishing	35	PC-866

Font - Number Lines

You can specify the number of lines per page when no setting has been specified. (North American model default setting: 60 lines, Other model default setting: 64 lines)

➔ On the Font screen, touch [Number Lines] to display the setting screen. After using the keypad to type in a value, touch [Enter].



...

Note

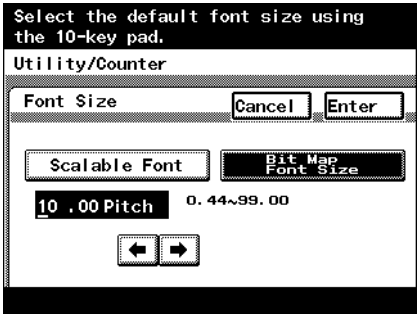
A value outside the allowable range cannot be specified. Type in a value within the allowable range.

To cancel changes to the settings, touch [Cancel].

Font - Font Size

You can specify the font size to use when none has been specified. (Default settings: Scalable Font - 12.00 point, Bit Map Font - 10.00 pitch)

➔ On the Font screen, touch [Font Size] to display the setting screen. Touch the font type name, type in the value using the keypad, and then touch [Enter].
- Scalable Font: Specifies the scalable font size in points.
- Bit Map Font Size: Specifies the bitmap font size in pitchs.



Note

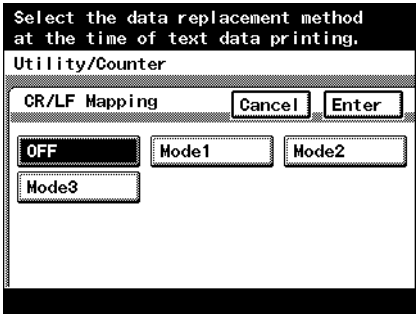
A value outside the allowable range cannot be specified. Type in a value within the allowable range.

To cancel changes to the settings, touch [Cancel].

Font - CR/LF Mapping

You can specify the control code substitution method when printing test data. (Default setting: OFF)

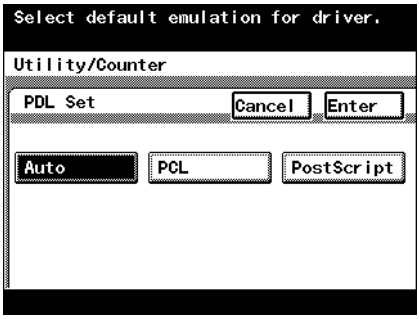
➔ On the Font screen, touch [CR/LF Mapping] to display the setting screen. After changing the setting, touch [Enter].
- OFF: Does not perform substitution.
- Mode1: Substitutes CR for CR-LF.
- Mode2: Substitutes LF for CR-LF. Substitutes FF for CR-FF.
- Mode3: Substitutes CR and LF for CR-LF. Substitutes FF for CR-FF.



PDL Set

You can specify the PDL (Printer Description Language) setting. (Default setting: Auto)

➔ After changing the setting, touch [Enter].
- Auto: Automatically switches between PCL and PostScript.
- PCL: Only uses PCL.
- PostScript: Only uses PostScript.



Detail

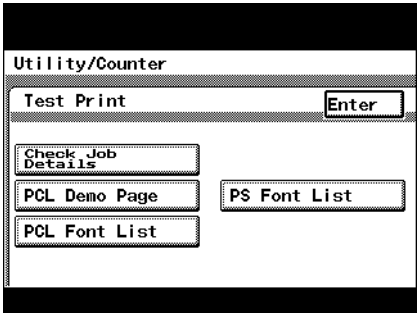
For details on displaying the PDL Setting screen, refer to "Printer settings" on page 10-1.

Test Print

You can output the following four types of reports.

For details on displaying the Test Print screen, refer to "Printer settings" on page 10-1.

➔ Touch the button for the desired setting.
- Check Job Details: Outputs a list of this machine's settings.
- PCL Demo Page: Outputs a test page.
- PCL Font List: Outputs the PCL font list.
- PS Font List: Outputs the PS font list.

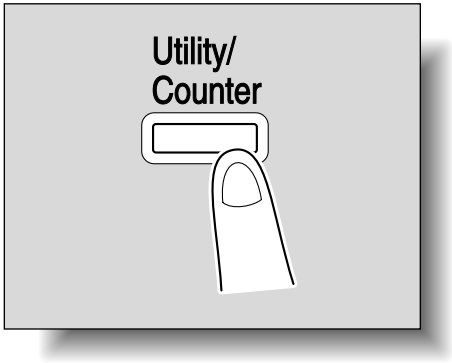


10.2 Administrator settings

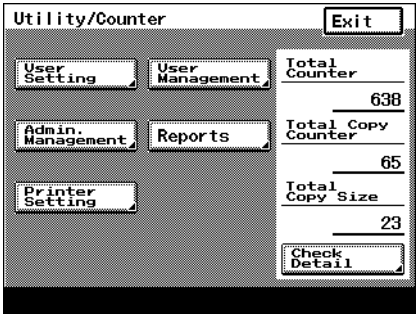
Some printer function settings can only be changed by an administrator.

To display the Administrator Management setting screen

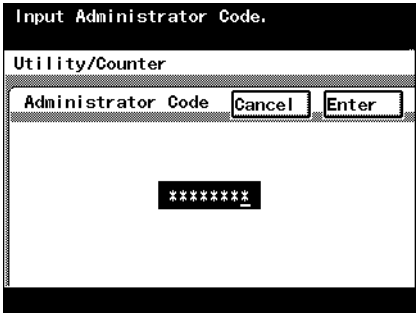
1 Press the [Utility/Counter] key.



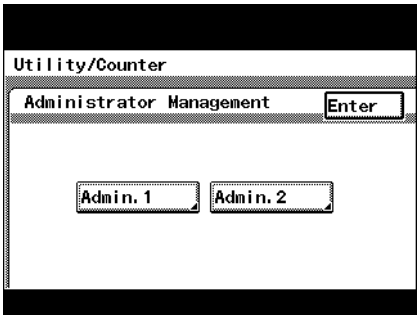
2 Touch [Admin. Management].



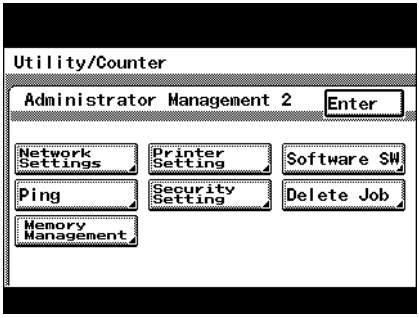
3 Type in the password using the keypad, and then touch [Enter].



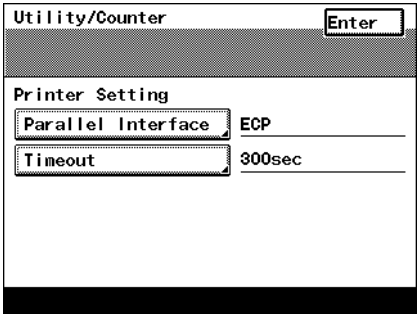
4 Touch [Admin. 2].



5 Touch [Printer Setting].



6 Specify settings for the following:



Note

To quit specifying the printer settings, touch [Enter] until the screen for the Copy, Fax, Scan, or Box mode appears.

Printer Setting

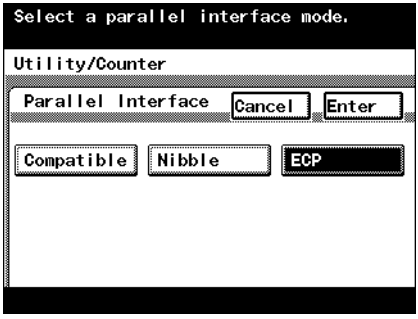
Detail

For details on displaying the Printer Setting screen, refer to "Administrator settings" on page 10-16.

Parallel Setting

You can specify the mode for using an optional parallel interface. (Default setting: ECP)

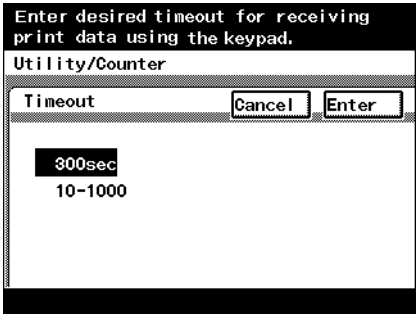
➔ After changing the setting, touch [Enter].
- Compatible: Corresponds to both Nibble and ECP.
- Nibble: Only for Nibble.
- ECP: Only for ECP.



Timeout

You can set the time until a communication timeout occurs. (Default setting: 300 sec)

➔ After using the keypad to type in a value, touch [Enter].



Note

The time specified here for a timeout enables the parallel, USB, or network interface.

A value outside the allowable range cannot be specified. Type in a value within the allowable range.

To cancel changes to the settings, touch [Cancel].

Setting the IP Address

When using this machine as a network printer, an IP address must be assigned to this machine.

Detail

For the procedure to assign an IP address to this machine, refer to "Setting the IP address for this machine" on page 3-6.

Frame Type Set

If connecting with NetWare, the frame type must be specified depending on the network environment.

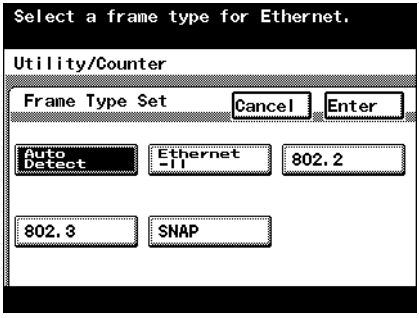
1 Press the [Utility/Counter] key on this machine's control panel, touch [Admin. Management], and then enter the administrator password.

2 Touch [Admin. 2].

3 Touch [Network Settings].

4 Touch [Frame Type Set].

5 After changing the setting, touch [Enter].



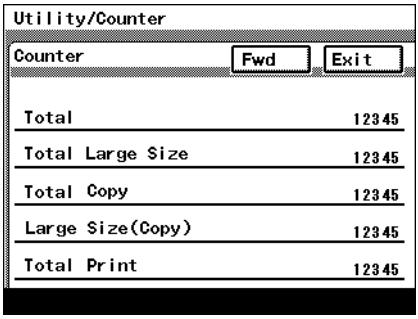
Counter

You can check the total number of printed pages.

1 Press the [Utility/Counter] key on this machine's control panel.

2 Touch [Check Detail] on the lower-right corner of the screen.

3 After checking each counter, touch [Exit].



10.3 Specifying the status settings for the functions (Software SW)

By specifying the Software SW numeric values (mode, bit, HEX) according to the usage conditions of this machine, the status of each function can be changed.

...

Reminder

Do not change the modes or bits that are not mentioned in this manual.

Software SW

Item	Description
Mode	Represents the setting with a three-digit number. Type in the value using the keypad.
Bit	An eight-digit number that configures the mode status. Specify the status of the function by specifying the bit for each number from 7 to 0 with a binary number (1 or 0).
HEX	The status of each function is displayed by a combination of hexadecimal numbers (0 to 9, A to F). When Bit Selection is “00110000”, HEX Selection can be represented as “30”. The status of the mode is specified in Bit Selection or HEX Selection.

An example of the Bit Selection (binary numbers) and HEX Selection (hexadecimal numbers) displays are shown below.

Decimal number	Bit Selection (binary number)	HEX Selection (hexadecimal number)
0	0000 0000	00
1	0000 0001	01
2	0000 0010	02
3	0000 0011	03
4	0000 0100	04
5	0000 0101	05
6	0000 0110	06
7	0000 0111	07
8	0000 1000	08
9	0000 1001	09
10	0000 1010	0A
11	0000 1011	0B
12	0000 1100	0C

Decimal number	Bit Selection (binary number)	HEX Selection (hexadecimal number)
13	0000 1101	0D
14	0000 1110	0E
15	0000 1111	0F
16	0001 0000	10
17	0001 0001	11
18	0001 0010	12
19	0001 0011	13
20	0001 0100	14
. . .	. . .	. . .
252	1111 1100	FC
253	1111 1101	FD
254	1111 1110	FE
255	1111 1111	FF

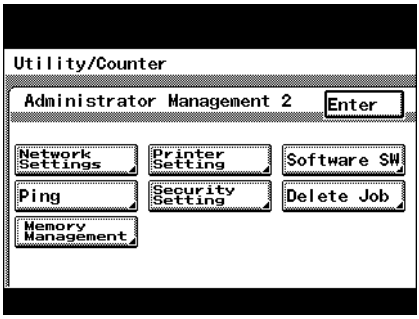
To change the software SW

1 Log on to the administrator mode, and then touch [Admin. 2].

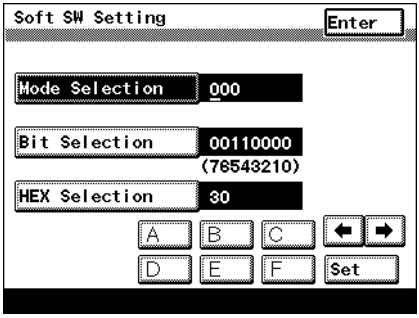
– For details on displaying the Administrator Management 2 screen, refer to “Administrator settings” on page 10-16.

The Initial Settings screen appears.

2 Touch [Software SW].

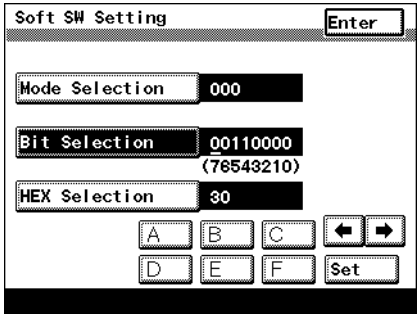


3 Touch [Mode Selection], and then use the keypad to type in the mode number.

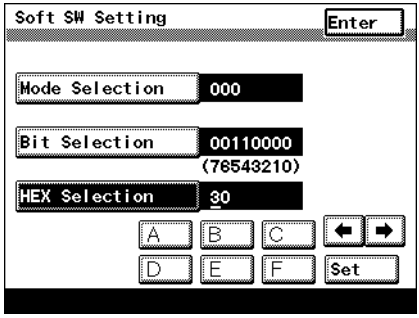


4 Touch either [Bit Selection] or [HEX Selection], and then specify the setting.

– To specify Bit selection, touch [Bit Selection], touch [←] or [→] to move the cursor to the bit to be changed, type in the value using keypad, and then touch [Set] on the lower right of the screen.



– To specify Hex Selection, touch [HEX Selection], specify the value by using keypad and by touching [A] to [F], and then touch [Set] on the lower right of the screen.



5 To change the setting for a different mode, repeat steps 3 and 4.

6 Touch [Enter] on the upper right of the screen until the first screen appears.

Specifying whether to enable Access Lock, the Secure Print selection method, or whether to enable a password rule (mode 469)

Specify whether to lock access if the password is entered incorrectly, specify the selection method to check a Secure Print, or specify whether to apply a password rule.

Settings at the time of purchase

Bits	7 6 5 4 3 2 1 0
Setting	0 0 0 0 0 0 0 0 (HEX: 00)

Specifying the settings

The grayed out cells are the settings at the time of purchase. The reference pages for each function are shown in the far right column.

Bits	Description	Setting	Description	Refer to
7	Specify whether to use the Failed Access Penalty function that locks access when a password (account track and administrator passwords) is entered incorrectly three times.	0	Does not lock access	p. 10-86
		1	Locks access	
6	----------	0	* Do not change this bit.	----------
5	Specify the Secure Print selection method.	0	Specifies the ID and password, and displays the corresponding document list.	p. 10-84
		1	Displays the document list with an ID and enters the password when specifying the operation.	
4	For security, specify whether to apply a password rule.	0	Do not apply a password rule	p. 10-79
		1	Apply a password rule	
3, 2, 1, 0	----------	0000	* Do not change these bits.	----------

Note

For the Failed Access Penalty function, refer to User's Guide [Copy Operations].

If applying a password rule, the conditions that are required in the password are described below.
8 alphanumeric characters (only 8 alphanumeric character for the administrator password, and 8 alphanumeric characters or more for the user authentication user password)
Only passwords with the same characters are not allowed.
Passwords that do not meet the password rule are not accepted. For the password rules, refer to User's Guide [Copy Operations].

Specifying the deleting method for [Del.] in input screens (mode 478)

Specify the deleting method for [Del.] in input screens.

Select whether the character at the cursor's position or the character to the left of the cursor is deleted.

Settings at time of purchase

Bits	7 6 5 4 3 2 1 0
Setting (North American model)	1 0 0 0 0 0 0 0 (HEX: 80)
Setting (Other model)	0 0 0 0 0 0 0 0 (HEX: 00)

Specifying the setting

The grayed out cells are the settings at the time of purchase.

Bit	Description	Setting	Description	Page reference
7	Specify the deleting method for [Del.] in input screens.	0	Deletes the character at the cursor's position	----------
		1	Deletes the character to the left of the cursor	
6, 5, 4, 3, 2, 1, 0	----------	0000000	*Do not change these bits.	----------

Note

North American model default setting: 1

Other model default setting: 0

10.4 Using PageScope Web Connection

PageScope Web Connection is a device management utility supported by the HTTP server built into the printer controller.

Using a Web browser on a computer connected to the network, machine settings can be specified from PageScope Web Connection.

Operating environment

Item	Operating environment
Network	Ethernet TCP/IP
Computer application	Web browser: Windows 98 SE, Windows Me, or Windows NT 4.0 Microsoft Internet Explorer 4 or later Netscape Navigator 4.73 or 7.0 Windows 2000 Microsoft Internet Explorer 5 or later Netscape Navigator 7.0 Windows XP Microsoft Internet Explorer 6 or later Netscape Navigator 7.0 If using Microsoft Internet Explorer 5.5, use Service Pack 1 or later.

Accessing PageScope Web Connection

PageScope Web Connection can be accessed directly from a Web browser.

1 Start up the Web browser.

2 In the Address bar, type the IP address of this machine, and then press the [Enter] key.

– http://<IP_address_for_this_machine>/
Example: If the IP address for this machine is 192.168.1.20
http://192.168.1.20/

Detail

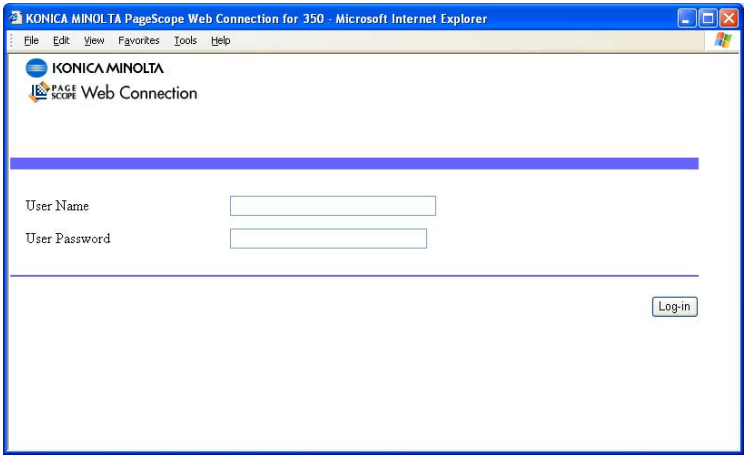
For the procedure to assign an IP address to this machine, refer to "Setting the IP address for this machine" on page 3-6.

Note

When accessing with PageScope Web Connection, do not use a proxy server.

When performing user authentication

When performing user authentication or external server authentication, the following screen appears. Input the user name and password, and then click the [Log-in] button.



Note

When user authentication is specified on this machine and the Enhance Security mode is enabled or when Access Lock is enabled on the software DIP switch, the corresponding user may be locked out and denied access if the authentication information is not entered correctly.

For details on user authentication and Enhance Security mode, refer to User's Guide [Copy Operations].

For the user name and password, ask your network administrator.

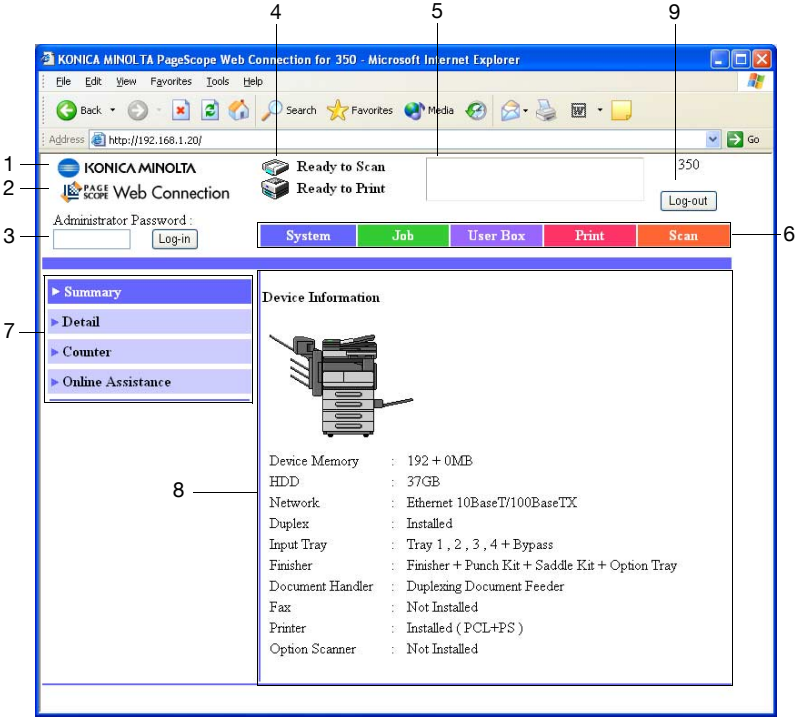
Page structure

The page that appears immediately after PageScope Web Connection is accessed is called the User mode page. All users can view this page.

Note

By entering the administrator password and clicking the [Log-in] button, you can display the Administrator mode page. For details, refer to "Logging on to Administrator mode" on page 10-32.

The configuration of the PageScope Web Connection page is shown below.



No.	Item	Description
1	KONICA MINOLTA Logo	Click the logo to go to the Konica Minolta Web site at the following URL. http://konicaminolta.com
2	PageScope Web Connection Logo	Click the PageScope Web Connection logo to display the version information.
3	Administrator mode logon button	Click to log on to the Administrator mode.
4	Status Display	Displays the status of this machine's printer and scanner sections using icons. Update the data by clicking the [Renew] button on the Web browser.
5	Message Display	Displays the status of the problem/error and other error information if an error has occurred in this machine. Update the data by clicking the [Renew] button on the Web browser.

No.	Item	Description
6	Tab	Displays the categories that can be controlled by PageScope Web Connection. The following tabs are displayed in User mode. • System • Job • User Box • Print • Scan
7	Menus	Lists the information and settings for the selected tab. The menus that appear vary depending on the tab that is selected.
8	Information and Settings Display	Displays the details of the item selected from the menu.
9	User authentication logoff button	Displayed when logged in to user authentication. Click to log off from user authentication.

Note

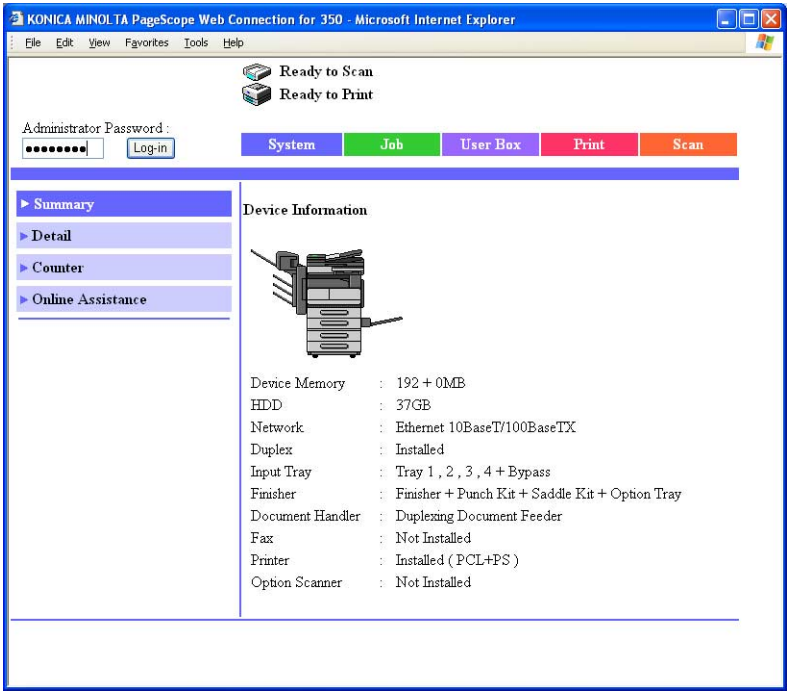
The User Box tab can only be displayed when an optional hard disk is installed.

The Scan tab is the Fax/Scan tab when the optional fax kit is installed.

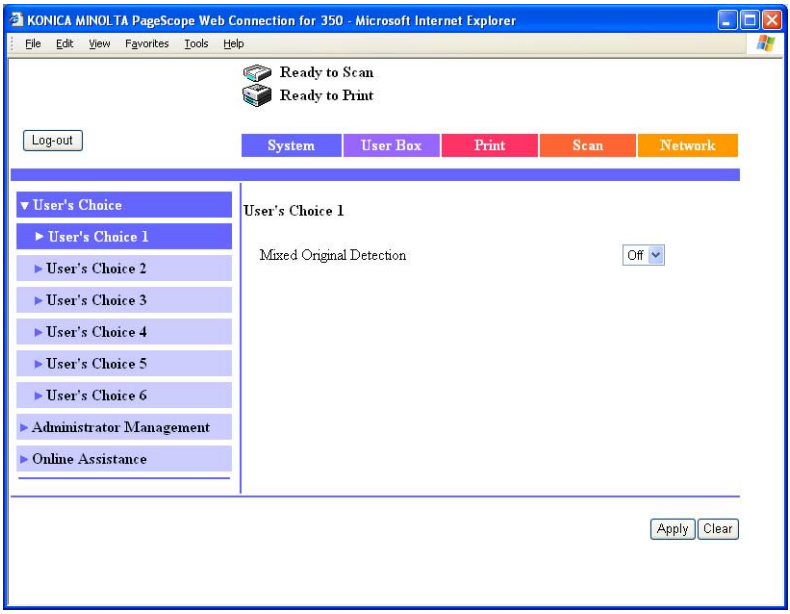
Logging on to Administrator mode

You can switch between User mode and Administrator mode. However, in order to specify system or network settings, you must be logged on to Administrator mode.

1 Enter the administrator password for this machine in the “Admin Password” box, and then click the [Log-in] button.



The Administrator mode page appears.



To return to User mode, click the [Log-out] button.

Reminder

When logged on to Administrator mode, the machine's control panel is locked and cannot be used.

Depending on the status of the machine, you may not be able to log on to Administrator mode.

When logged on to Administrator mode, if no operation is performed for 10 minutes, a timeout occurs and you will automatically be legged off from Administrator mode.

Note

When the Enhance Security mode is enabled or when Access Lock is enabled on the software DIP switch, the corresponding user may be locked out and denied access if the authentication information is not entered correctly.

For details on Enhance Security mode, refer to User's Guide [Copy Operations].

Web Browser Cache

The newest information may not appear on the PageScope Web Connection page because older versions of pages are saved for the Web browser. In addition, problems may occur when the cache is used.

When using PageScope Web Connection, disable the cache for the Web browser.

Detail

The menus and commands may vary depending on the Web browser version. For details, refer to Help for the Web browser.

If the utility is used with the cache enabled and the Administrator mode was timed out, the timeout may appear even after the utility is accessed again. In addition, since the machine's control panel remains locked and cannot be used, the machine must be restarted (the main power turned off, then on again). In order to avoid this problem, disable the cache.

For Internet Explorer

1 On the "Tools" menu, click "Internet Options".

2 On the General tab, click the [Settings] button under "Temporary Internet Files".

3 Select "Every visit to the page", and then click [OK].

For Netscape Navigator

1 On the "Edit" menu, click "Preferences".

2 In the "Category" box, click "Advanced", then "Cache".

3 Under "Compare the page in the cache to the page on the network", select "Every time I view the page".

User mode

The User mode provides functions for checking and operating the machine on a user level. You can select from five tabs (System, Job, User Box, Print, or Scan).

Note

The User Box tab can only be displayed when an optional hard disk is installed.

The Scan tab is the Fax/Scan tab when the optional fax kit is installed.

This manual describes the printer related functions. For the box and scanner functions of this machine, refer to User's Guide [Box Operations] and User's Guide [Network Scanner Operations].

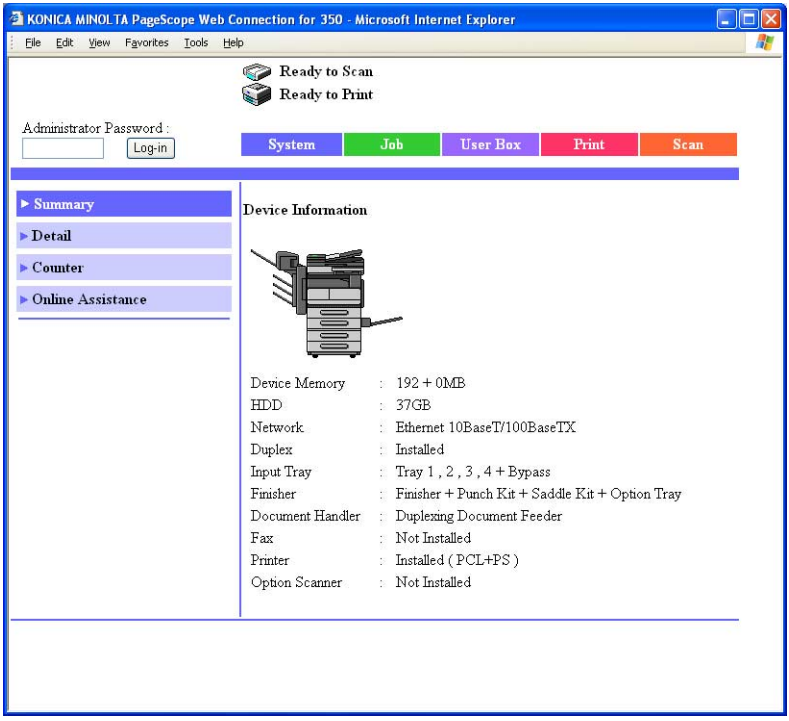
System tab

On the System tab, information and settings concerning the system configuration of this machine are displayed.

System tab - Summary

On the System tab, click “Summary”. In addition, this is the initial page that appears when you access http://<IP_address_for_this_machine>/ with your Web browser.

The Summary page shows the current system configuration and status of this machine.

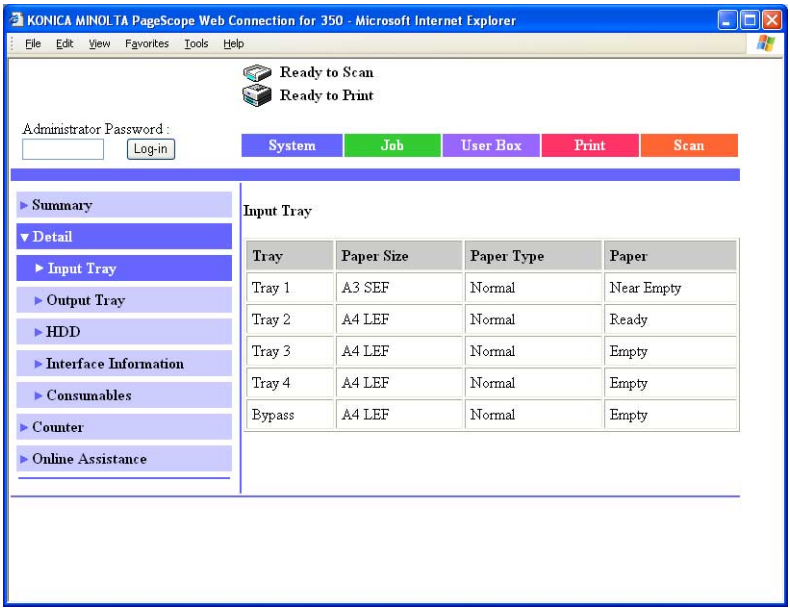


Item	Description
Device Information	This area uses graphics and text to show the configuration of options installed on this machine.

System tab - Detail - Paper Tray

Click the System tab, click “Detail”, and then click “Paper Tray” in the sub-menu that appeared.

You can check the status of the paper trays of this machine.

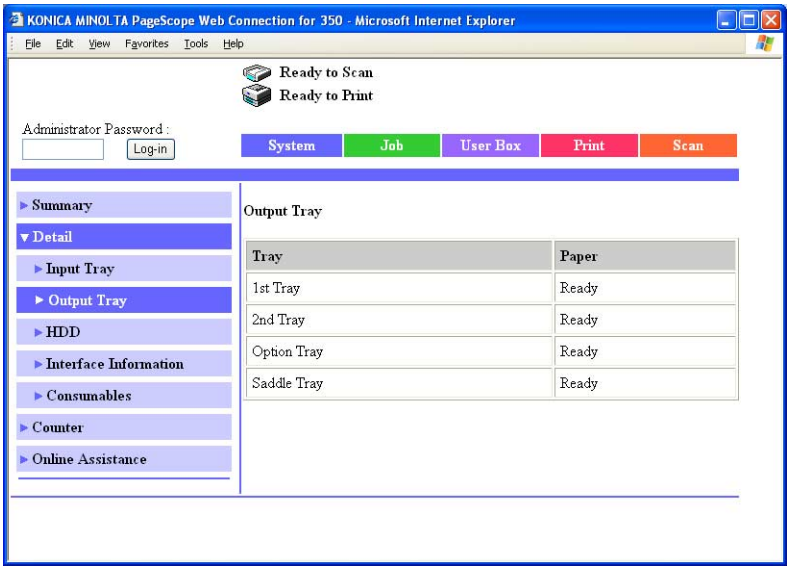


Item	Description
Tray	Displays information for each item.
Paper Size	
Paper Type	
Paper	

System tab - Detail - Output Tray

Click the System tab, click “Detail”, and then click “Output Tray” in the sub-menu that appeared.

You can check the status of the output trays of this machine.

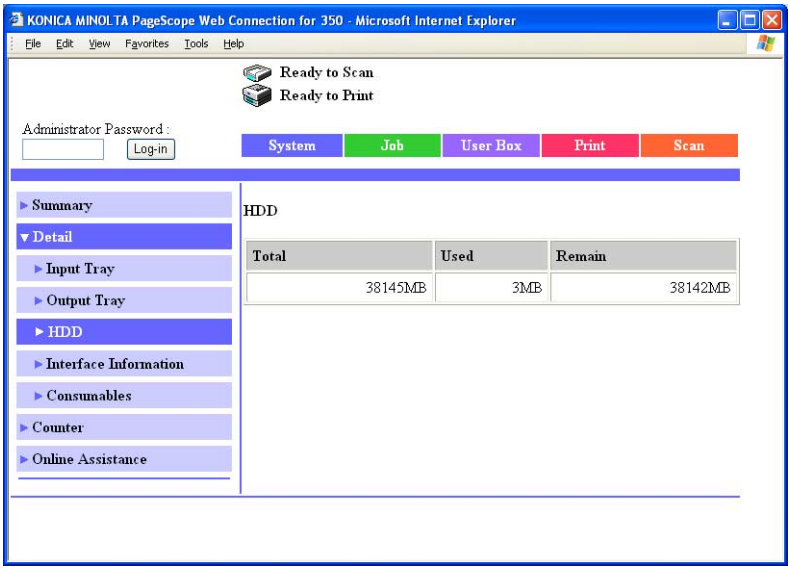


Item	Description
Output Tray	Displays the tray name and status of each installed tray.

System tab - Detail - HDD

Click the System tab, click “Detail”, and then click “HDD” in the sub-menu that appeared.

You can check the status of the hard disk of this machine.



Item	Description
Total	Displays the total size of the installed hard disk.
Used	Displays the amount of space used by the system.
Remain	Displays the amount of free hard disk space.

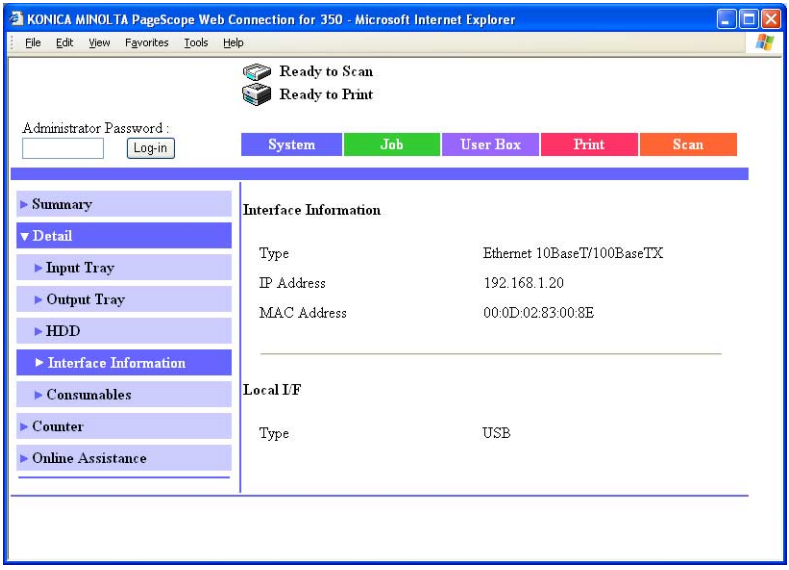
Note

“HDD” can only be displayed when an optional hard disk is installed.

System tab - Detail - Interface Information

Click the System tab, click “Detail”, and then click “Interface Information” in the sub-menu that appeared.

You can check the interface information of this machine.

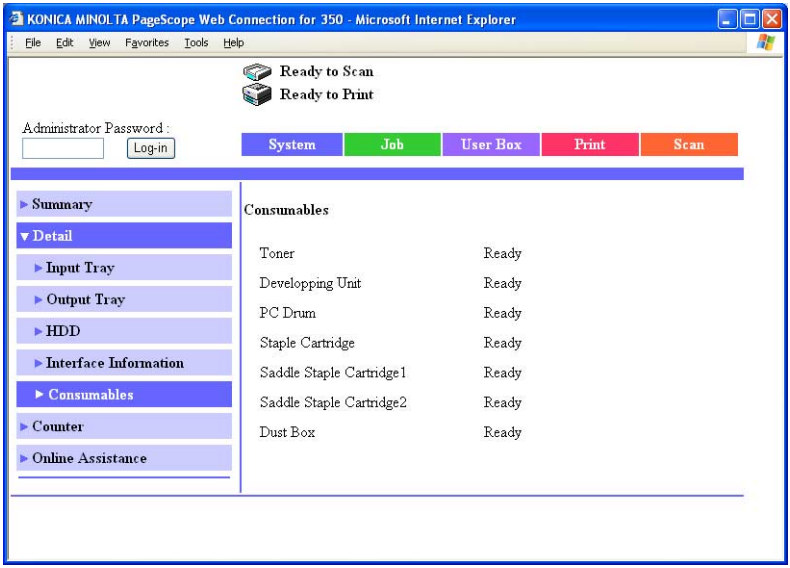


Item	Description
Interface Information	Displays the network information.
Local I/F	Displays the local interface information.

System tab - Detail - Consumables

Click the System tab, click “Detail”, and then click “Consumables” in the sub-menu that appeared.

You can check the consumable information of this machine.



Item	Description
Toner	Displays information for each item.
Developing Unit	
PC Drum	
Staple Cartridge	
Saddle Staple Cartridge 1	
Saddle Staple Cartridge 2	
Dust Box	

Note

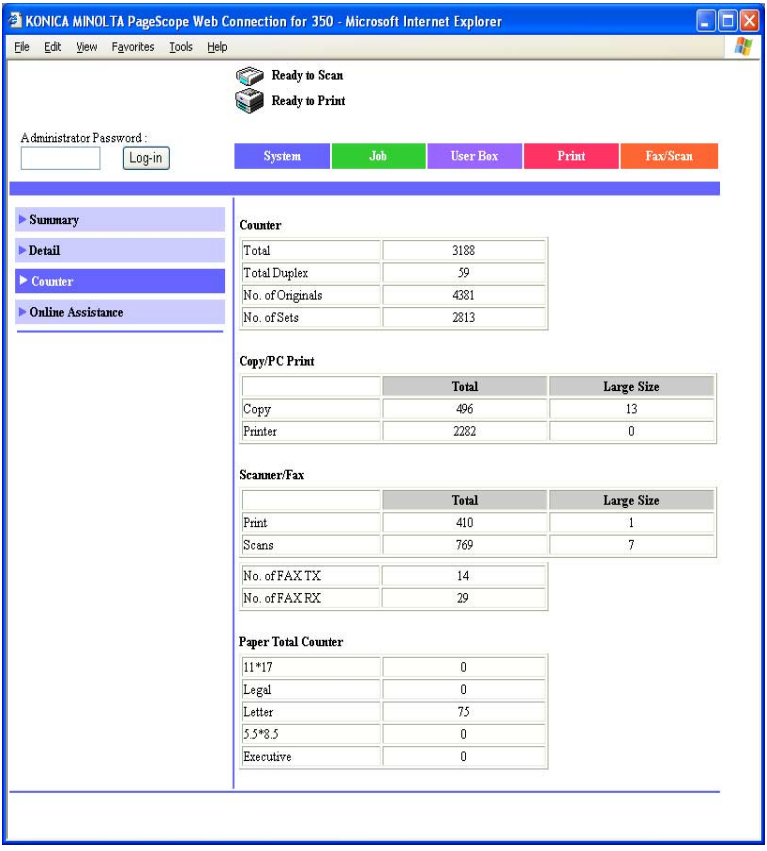
The status may not be displayed correctly if the consumables are not installed.

“Staple Cartridge”, “Saddle Staple Cartridge 1”, “Saddle Staple Cartridge 2”, and “Dust Box” are displayed according to whether the optional finishers are installed.

System tab - Counter

Click the System tab, and then click “Counter” in the menu.

You can check the counters that this machine manages.



Item	Description
Counter	Displays the total of the output counter (copies, prints, scans, and faxes).
Copy/PC Print	Displays each counter.
Scanner/Fax	
Paper Total Counter	Displays the output counter for each paper size.

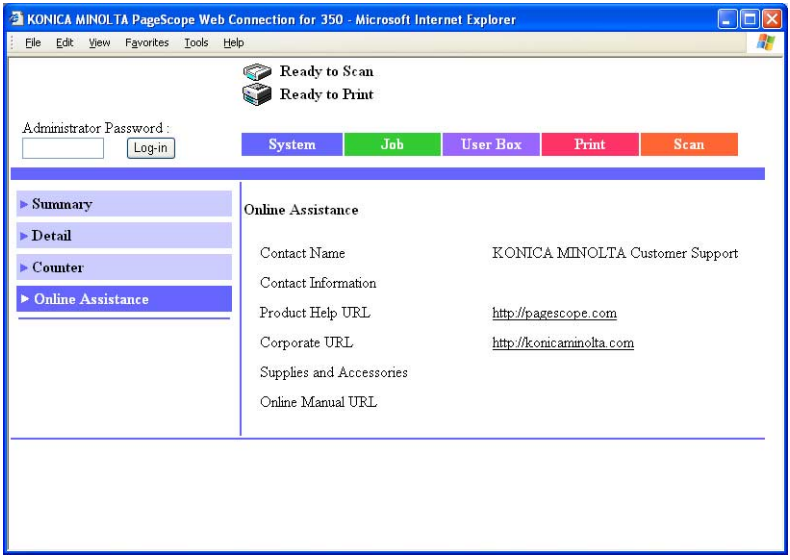
Note

“Fax” can only be displayed when the optional fax kit is installed.

System tab - Online Assistance

Click the System tab, and then click “Online Assistance” in the menu.

You can check support information concerning the product.



Item	Description
Contact Name	Displays information for each item.
Contact Information	
Product Help URL	
Corporate URL	
Supplies and Accessories	
Online Manual URL	

Job tab

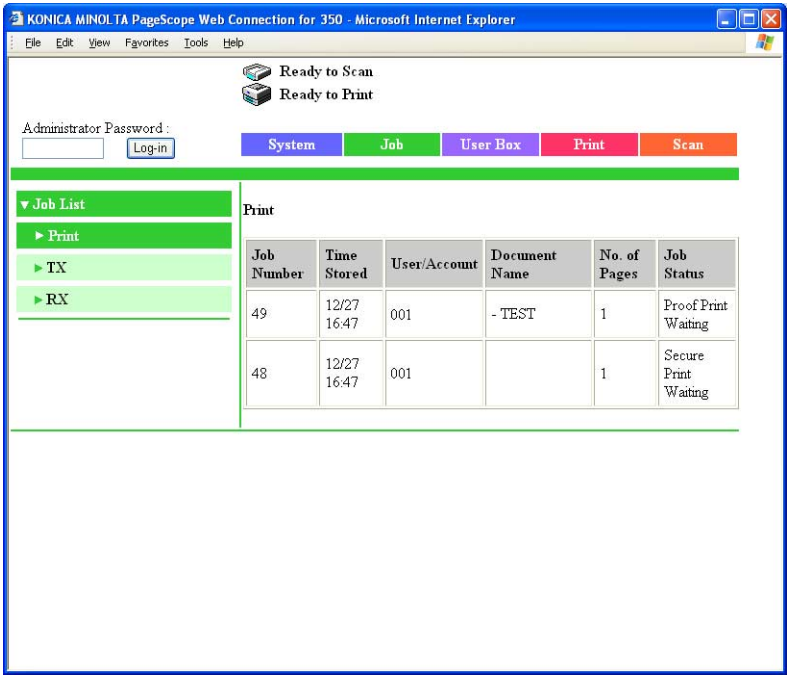
From the Job tab, you can check jobs managed by this machine.

Job tab - Job List

Click the Job tab, click “Job List” from the menu, and then select each function (print operations).

You can check jobs that have been printed, that are being printed, or that are queued to be printed.

Sample Print page



Item	Description
Print	Displays the print job list and details.
TX	Displays the fax and scan transmission job list and details.
RX	Displays the fax reception job list and details.

Note

The job number that was assigned when the job was queued in this machine appears as the job number.

Print tab

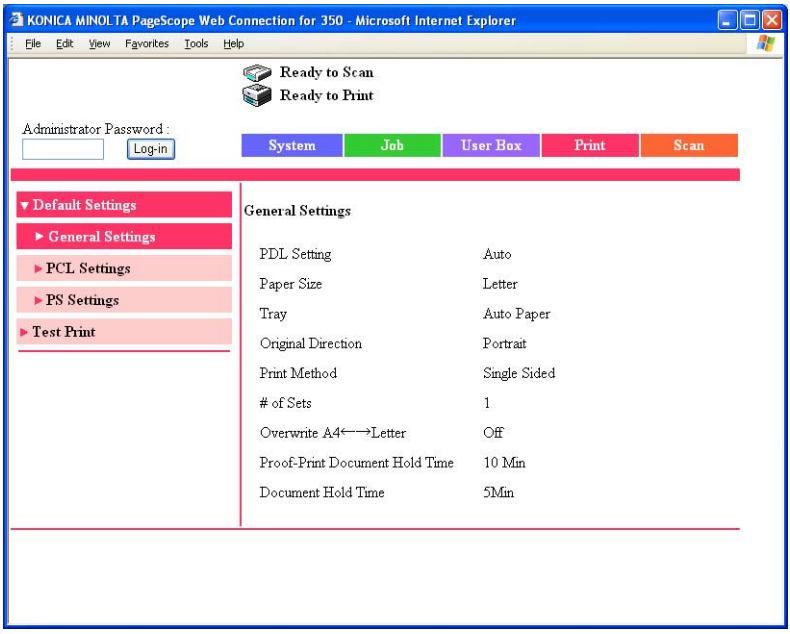
You can check the printer default settings and print various test prints.

Print tab - Default Settings

Click the Print tab, click “Default Settings” from the menu, and then select each setting classification (general and PCL).

If a print job is sent whose settings are not specified, the settings specified here are used for printing.

Sample General Settings page

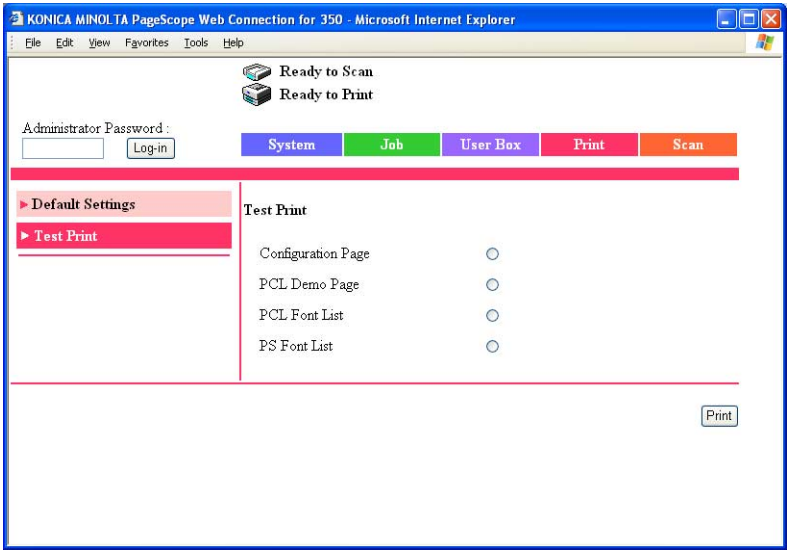


Item	Description
General Settings	Displays information for each item.
PCL Settings	
PS Settings	

Print tab - Test Print

Click the Print tab, and then click “Test Print” in the menu.

You can print various configuration information, the demo pages, and the font information. Select the report that you want to print, and then click the [Print] button.



Note

When this machine is processing a job, you may not be able to output reports.

Item	Description
Configuration Page	Prints the various configuration information pages of this machine.
PCL Demo Page	Prints a demo page.
PCL Font List	Prints the font list that is used by PCL.
PS Font List	Prints the font list that is used by PostScript.

Administrator mode

In Administrator mode, you can specify the system settings for this machine. You can select five tabs (System, User Box, Print, Scan, or Network).

For details on logging on to Administrator mode, refer to “Logging on to Administrator mode” on page 10-32.

Note

The User Box tab can only be displayed when an optional hard disk is installed.

The Scan tab is the Fax/Scan tab when the optional fax kit is installed.

This manual describes the printer related functions. For the box, scanner, and network functions of this machine, refer to User’s Guide [Box Operations] and User’s Guide [Network Scanner Operations].

Basic operation

1 Click a tab, and then select an item from the menu.

2 Specify settings for the displayed items. Either enter a setting directly or select one from the drop-down list.

3 Click the [Apply] button to apply the settings.

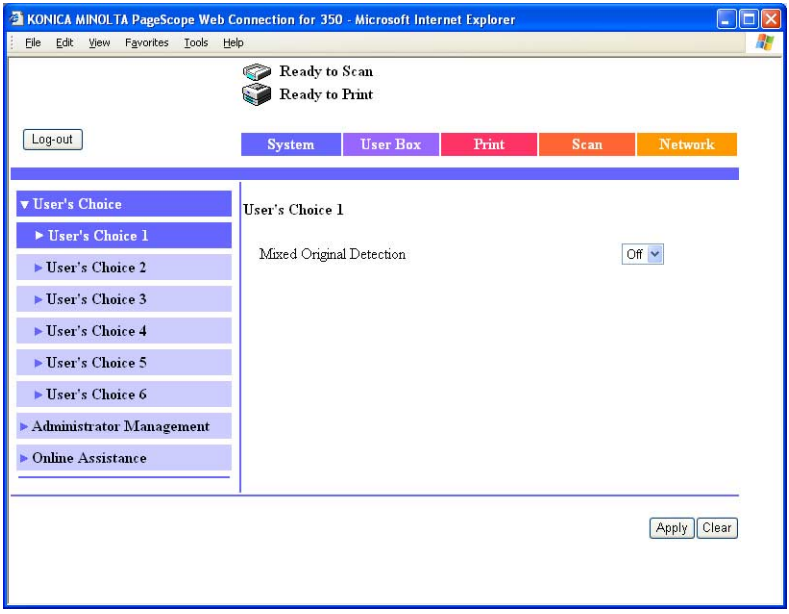
System tab

On the System tab, information and settings concerning the system configuration of this machine are displayed.

System tab - User's Choice - User's Choice 1

Click the System tab, click "User's Choice", and then click "User's Choice 1" in the sub-menu that appeared.

You can specify the related settings for process a mixed document.

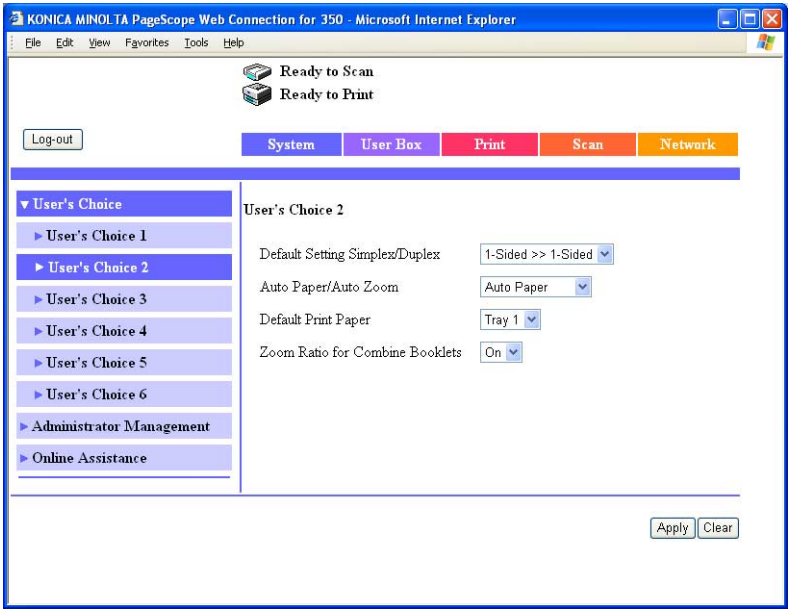


Item	Description
Mixed Original Detection	Specify whether to set the mixed original detection mode to the default value.

System tab - User's Choice - User's Choice 2

Click the System tab, click "User's Choice", and then click "User's Choice 2" in the sub-menu that appeared.

You can specify the paper priority settings.

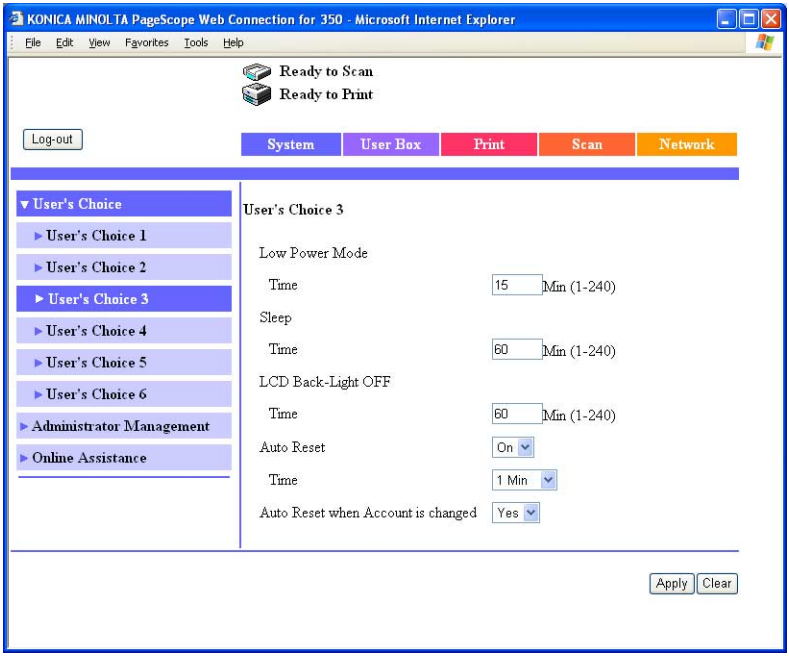


Item	Description
Default Setting Simplex/ Duplex	Specify the default settings of the original document/Copy mode. When "Duplex" is the default value in the Copy mode, "1-Sided>>1-Sided" is not displayed. For details, consult your technical representative.
Auto Paper/Auto Zoom	Specify the auto function to be used as the priority.
Default Print Paper	When the auto paper function is not used, specify the input tray to be used as the priority.
Zoom Ratio for Combine Booklets	When the 2in1, 4in1, or booklet functions are used, specify whether to automatically enable a suitable zoom ratio. On: The "4in1" zoom ratio is 0.500, and the "2in1" and "Booklet" zoom ratio is 0.707. Off: Does not automatically specify the zoom ratio.

System tab - User's Choice - User's Choice 3

Click the System tab, click "User's Choice", and then click "User's Choice 3" in the sub-menu that appeared.

You can specify the settings of the power saving function.



Item	Description
Low Power Mode	Specify the time until the low power function operates (input range: 1-240 minutes).
Sleep	Specify whether to enable the sleep function. This setting can only be specified when "Disable Sleep Mode" is specified as "Yes" in Administrator Management-Administrator Settings.
Time	Specify the time until the sleep function operates (input range: 1-240 minutes).
LCD Back-Light OFF	Specify the time until the function to turn the LCD backlight off operates (input range: 1-240 minutes).
Auto Reset	Specifies whether to enable the auto reset function. When the Enhance Security mode is enabled on this machine, this setting cannot be specified.
Time	Specify the time until the auto reset function operates and returns to the default setting.
Auto Reset when Account is changed	Specify whether to return to the default setting when the password is entered or the key counter is removed.

...

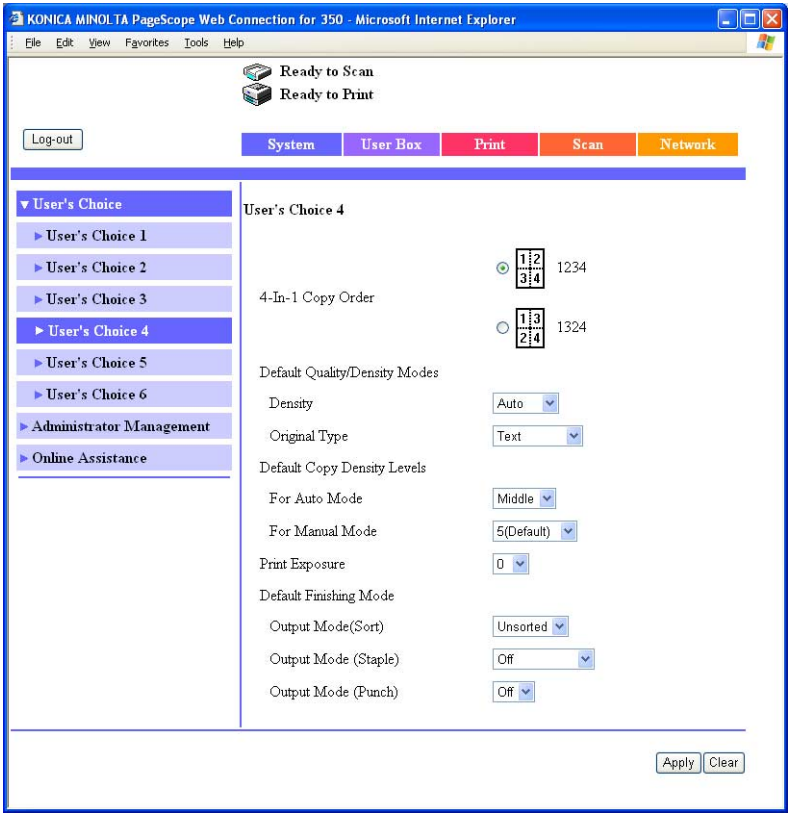
Note

For details on Enhance Security mode, refer to User's Guide [Copy Operations].

System tab - User's Choice - User's Choice 4

Click the System tab, click "User's Choice", and then click "User's Choice 4" in the sub-menu that appeared.

You can specify the layout and quality print settings.



Item		Description
4-In-1 Copy Order		Specify the page order when the 4-in-1 combination function is used.
Default Quality/ Density Modes	Density	Specify the default settings of the copy density.
	Quality Type	Specify the default settings of the copy quality.
Default Copy Density Levels	For Auto Mode	Specify the auto default settings of the copy density.
	For Manual Mode	Specify the manual default settings of the copy density.
Print Exposure		Specify the print density.
Default Finishing Mode	Output Mode (Sort)	Specify the offset default setting.
	Output Mode (Staple)	Specify the staple default setting.
	Output Mode (Punch)	Specify the hole punching default setting.

Note

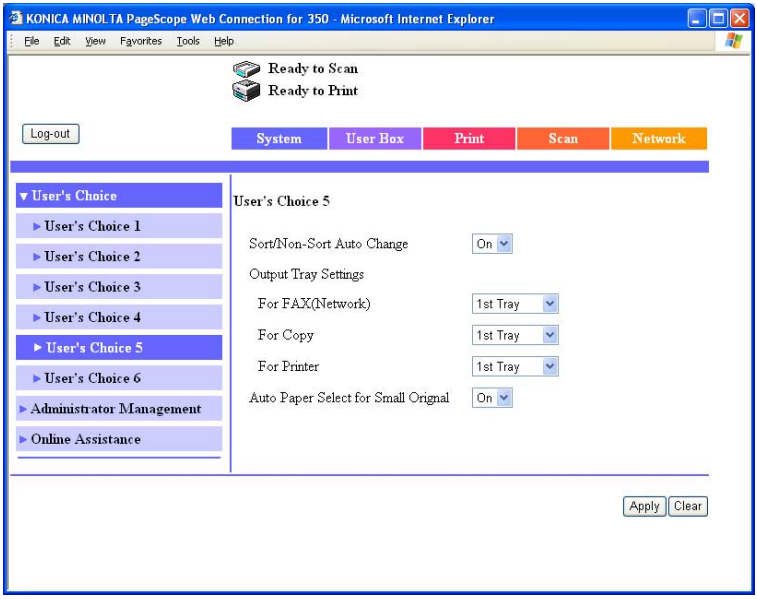
The staple function is displayed only when optional finisher is installed.

The hole punching function is displayed only when punch unit is installed.

System tab - User's Choice - User's Choice 5

Click the System tab, click "User's Choice", and then click "User's Choice 5" in the sub-menu that appeared.

You can specify the output settings.



Item		Description
Sort/Non-Sort Auto Change		You can specify whether to switch between the sorting and non-sorting function according to the number of copies.
Output Tray Settings	For FAX	Specifies the output tray for data received by fax (port 1/2).
	For FAX (Network)	You can specify the output tray for data received by a network.
	For Copy	You can specify the output tray for copies.
	For Printer	You can specify the print output tray from a computer.
Auto Paper Select for Small Original		You can specify whether to specify the input tray when the auto paper settings have been specified and the original document set on the original document glass is A5 size or smaller, or when an original document has not been loaded. On: Copies using the priority paper. Off: Displays the input tray select screen.

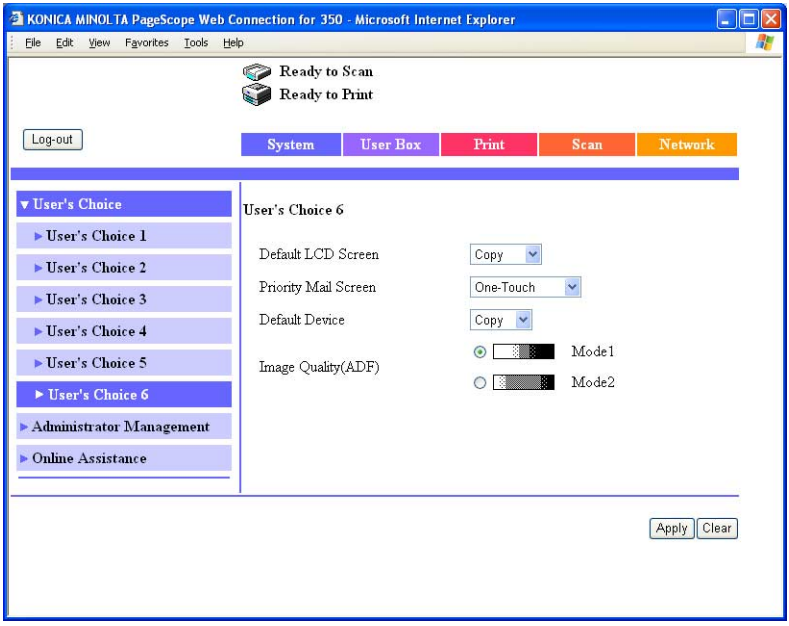
Note

The display of the output tray function may differ according to the status of the installed options.

System tab - User's Choice - User's Choice 6

Click the System tab, click "User's Choice", and then click "User's Choice 6" in the sub-menu that appeared.

You can specify the default screen settings.



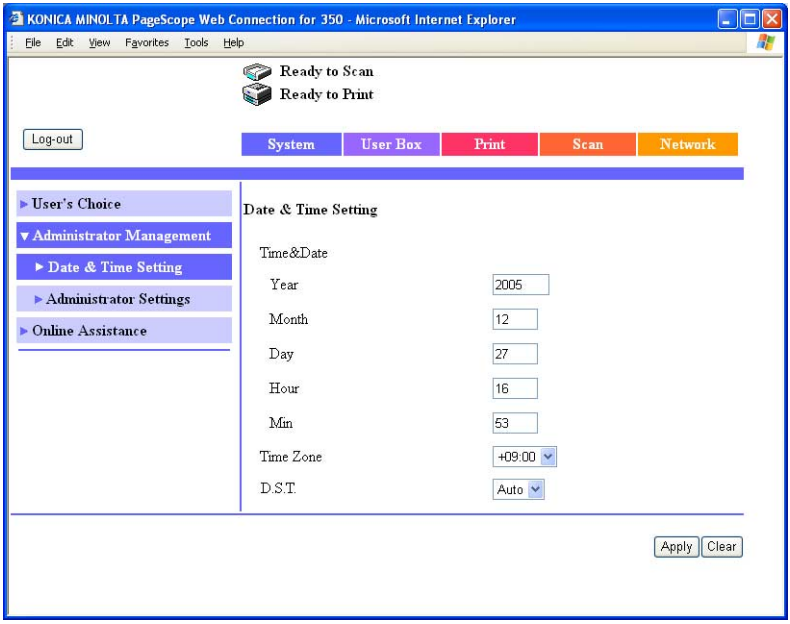
Item	Description
Default LCD Screen	Specifies the priority function screen.
Priority Mail Screen	Specifies the priority function screen.
Priority Device	Specifies the priority function.
Image Quality (ADF)	Specifies the quality level of the ADF. Mode 1: Suitable for copying light original documents such original documents written in pencil. Mode 2: Suitable for standard original documents.

Note

The Priority Mail Screen tab is the Priority Fax Screen tab when the optional fax kit is installed.

System tab - Administrator Management - Date & Time Setting

Enter the time and date for this machine.

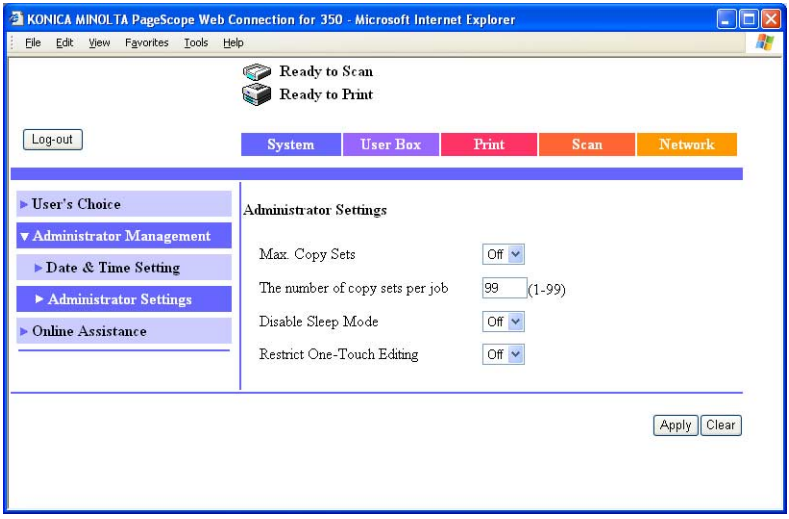


Item	Description
Year	Enter the year.
Month	Enter the month.
Day	Enter the day.
Hour	Enter the time.
Min	Enter the minutes.
Time Zone	Specify the time difference from GMT.
D.S.T.	Specify the daylight savings time.

System tab - Administrator Management - Administrator Settings

Click the System tab, click “Administrator Management”, and then click “Administrator Settings” in the sub-menu that appeared.

You can specify the usage condition settings for the user.



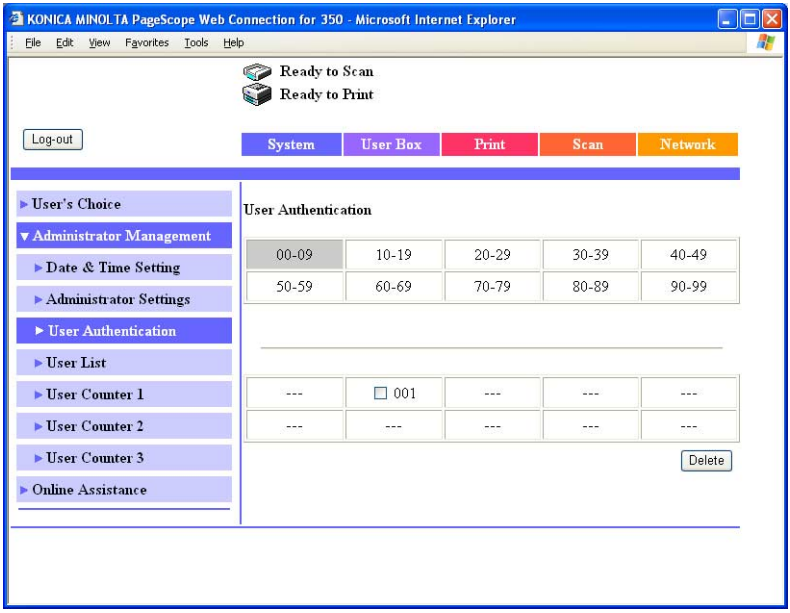
Item	Description
Max. Copy Sets	Specify whether to limit the number of copies that can be specified per job.
The number of copy sets per job	Specify the number of copies that can be specified per job (input range: 1-99).
Disable Sleep Mode	Specify whether to permit the user to disable the sleep function in the user’s choice function.
Restrict One-Touch Editing	Specify whether to prohibit the one-touch registration specified by the user settings. When the Enhance Security mode is enabled on this machine, this setting cannot be specified.

Note

For details on Enhance Security mode, refer to User’s Guide [Copy Operations].

System tab - Administrator Management - User Authentication

When performing user authentication with this machine, the “User Authentication”, “User List”, and “User Counter 1-3” menus are displayed in “Administrator Management” on the System tab.



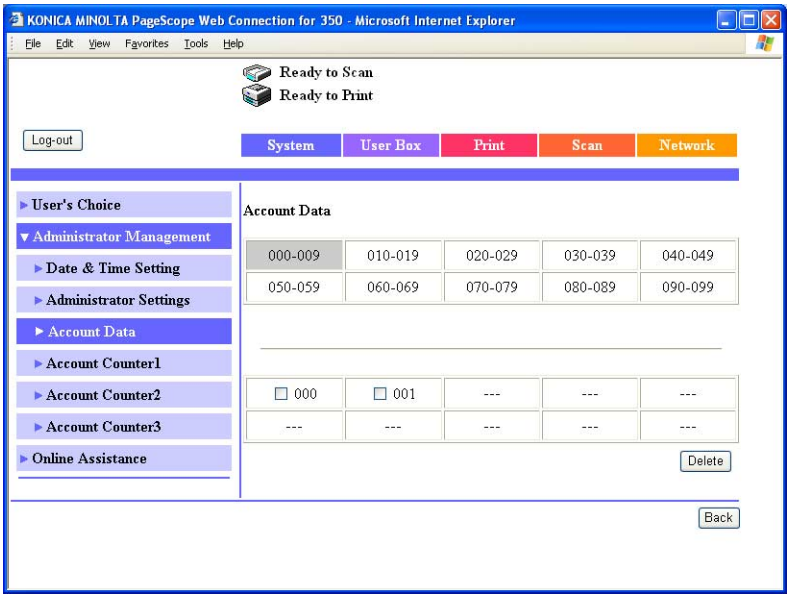
Item	Description
User Authentication	Registers the user information (user name and password) to a user number.
User List	Displays the registered users.
User Counter 1	Displays the total counter per user.
User Counter 2	
User Counter 3	

Note

For details on user authentication, refer to User's Guide [Copy Operations].

System tab - Administrator Management - Account Data

When performing account track with this machine, the “Account Data” and “Account Counter 1-3” menus are displayed in “Administrator Management” on the System tab.



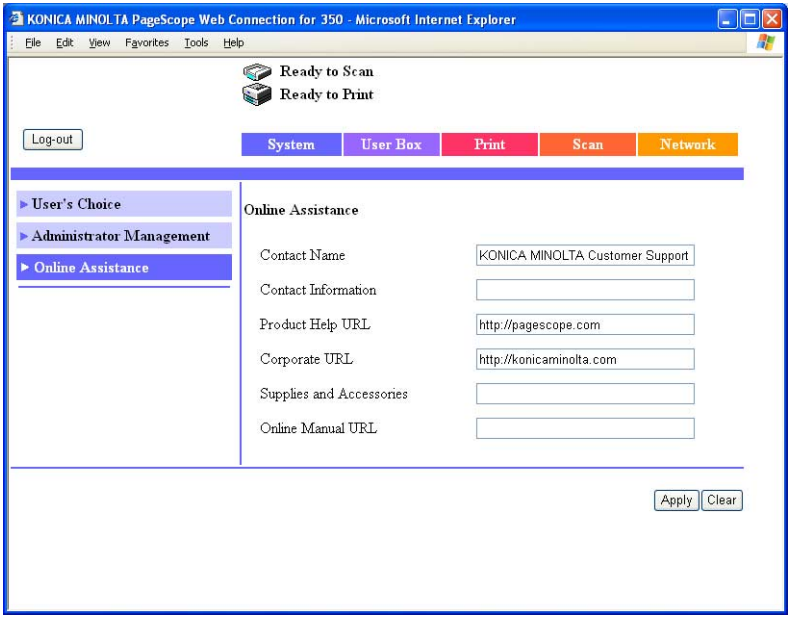
Item	Description
Account Data	Registers the account data (account name, password, print maximum value) to an account number.
Account Counter 1	Displays the total counter per account.
Account Counter 2	
Account Counter 3	

Note

For details on the account track, refer to User’s Guide [Copy Operations].

System tab - Online Assistance

You can change the online support information. To display this information, click the System tab in the User mode, then click “Online Assistance”.



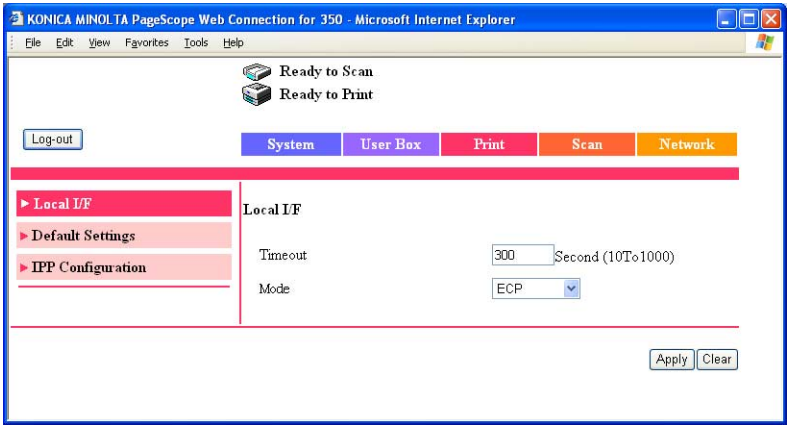
Item	Description
Contact Name	Specify information for each item.
Contact Information	
Product Help URL	
Corporate URL	
Supplies and Accessories	
Online Manual URL	

Print tab

On the Print tab, information and settings concerning the connecting interface and print default print settings are displayed.

Print tab - Local I/F

You can change the interface timeout settings.



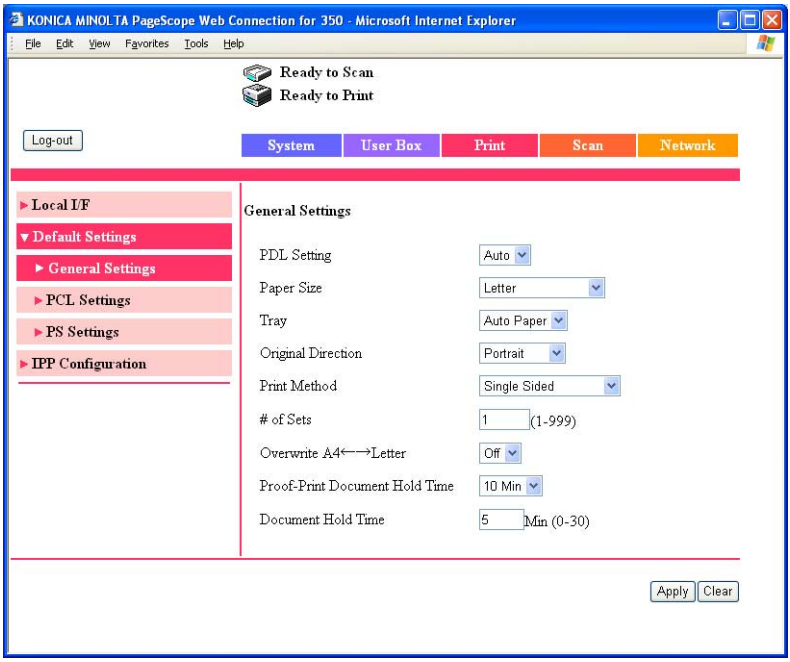
Item	Description
Timeout	Enter the reception timeout for the interface port (input range: 10-1000).
Mode	Select the parallel port transmission method.

Note

"Mode" can only be displayed when optional local interface kit is installed.

Print tab - Default Settings - General Settings

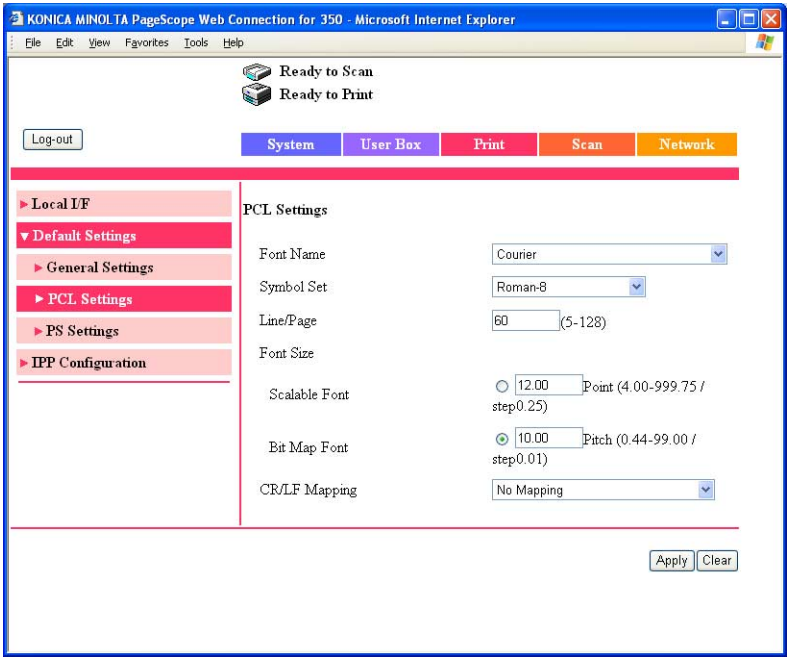
You can specify the default setting values of the printer.



Item	Description
PDL Setting	Select the printer descriptive language.
Paper Size	Select the paper size.
Tray	Select the input tray.
Original Direction	Select the print orientation.
Print Method	Select whether to perform duplex printing.
# of Sets	Select the number of copies to print. (input range: 1-999)
Overwrite A4← →Letter	You can substitute letter size and 11×17-inch size with A4 or A3 size paper.
Proof-Print Document Hold Time	Specify the time until the proof and print data is deleted.
Document Hold Time	Specify the time to delete the data when the memory has exceeded capacity. (input range: 0-30)

Print tab - Default Settings - PCL Settings

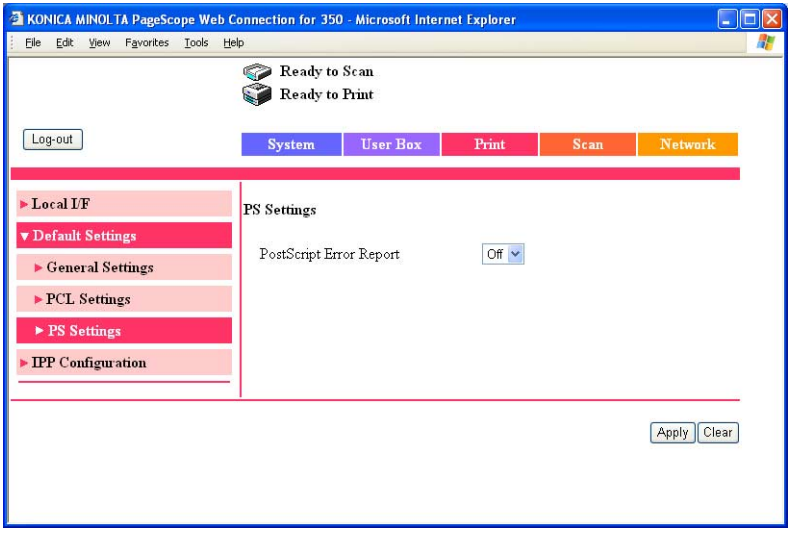
You can specify the default setting values for the PCL mode.



Item	Description
Font Name	Select the font.
Symbol Set	Select the symbol set.
Line/Page	Enter the number of lines per page (input range: 5-128).
Font Size	Enter the font size for the scalable font and the bitmap font (input range: Scalable Font 4.00-999.75, Bit Map Font 0.44-99.00).
CR/LF Mapping	Select the CR/LF operation.

Print tab - Default Settings - PS Settings

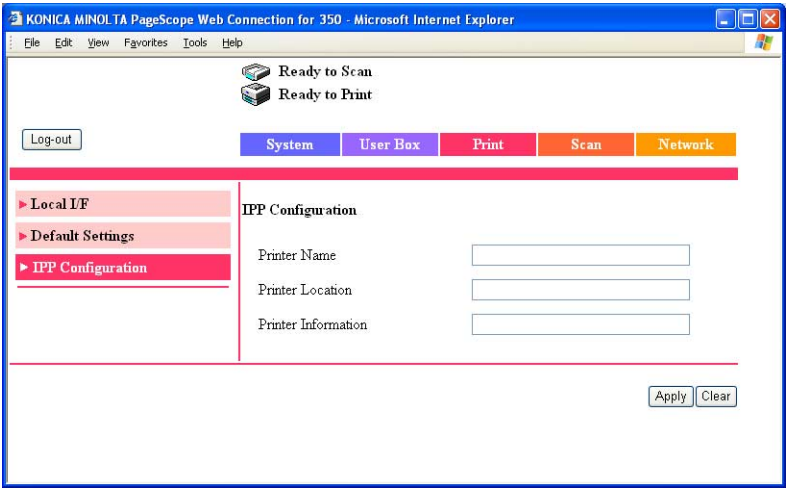
You can specify the default setting values of the PS mode.



Item	Description
PostScript Error Report	Specify whether to enable the printing of errors.

Print tab - IPP Configuration

You can change the device information.



Item	Description
Printer Name	Specify the device name (up to 127 alphanumeric characters and symbols).
Printer Location	Specify the device location (up to 127 alphanumeric characters and symbols).
Printer Information	Specify the printer description (up to 127 alphanumeric characters and symbols).

Scan tab

On the Scan tab, the settings at transmission and the information and settings concerning the address book limitations are displayed.

Detail

For details on the Scan tab settings, refer to User's Guide [Network Scanner Operations].

The Scan tab is the Fax/Scan tab when the optional fax kit is installed.

Network tab

On the Network tab, information and settings concerning the network connection are displayed.

Note

"IP Relay Settings" on the Network tab is displayed when optional fax kit or scanner unit is installed.

Network tab - Common Setting - TCP/IP

You can specify the TCP/IP settings.

Item	Description
TCP/IP Configuration	Specify whether to enable TCP/IP.
DHCP Configuration	Specify whether to enable the DHCP server.
IP Address	Specify the IP address of this machine (format: "***.***.***.***", input range for ***: 0-255 Note that the following values cannot be entered in the most significant byte: 0, 127, 224-255).
Subnet Mask	Specify the subnet mask connecting to a network (format: "***.***.***.***", input range for ***: 0-255).
Gateway Address	Specify the default gateway address connecting to a network (format: "***.***.***.***", input range for ***: 0-255 Note that the following values cannot be entered in the most significant byte: 0, 127, 224-255).
RAW Port Number	Specify the RAW port number (input range: 1-65535).
Self-Domain Name	Specify the domain name for this machine. (up to 64 alphanumeric characters and symbols (! # $ % & ' * + - . / = ? _ ` { | } ~))
DNS Configuration	Specify whether to use the DNS server.
Host Name	Input the host name connecting to a network. (up to 64 alphanumeric characters and symbols (-))
Domain Name	Specify the domain name for this machine (up to 64 alphanumeric characters and symbols (! # $ % & ' * + - . / = ? _ ` { | } ~ @)).
DNS Server Address	Register a maximum of three DNS servers (format: "***.***.***.***", input range for ***: 0-255 Note that the following values cannot be entered in the most significant byte: 0, 127, 224-255).
DNS Query Timeout	Specify the time for an inquiry timeout to the DNS server.
SLP Setting	Specify whether to enable the SLP function.
LPD Setting	Specify whether to enable the LPD function.

Reminder

To apply any changes to settings for "DHCP Configuration", "IP Address", "Subnet Mask", "Gateway Address", or "Self-Domain Name", restart this machine (turn the main power off, then on again).

When turning the machine off, then on again, wait about 10 seconds after turning the machine off before turning the machine on again. The settings may not be applied correctly if the machine is turned on immediately after it is turned off.

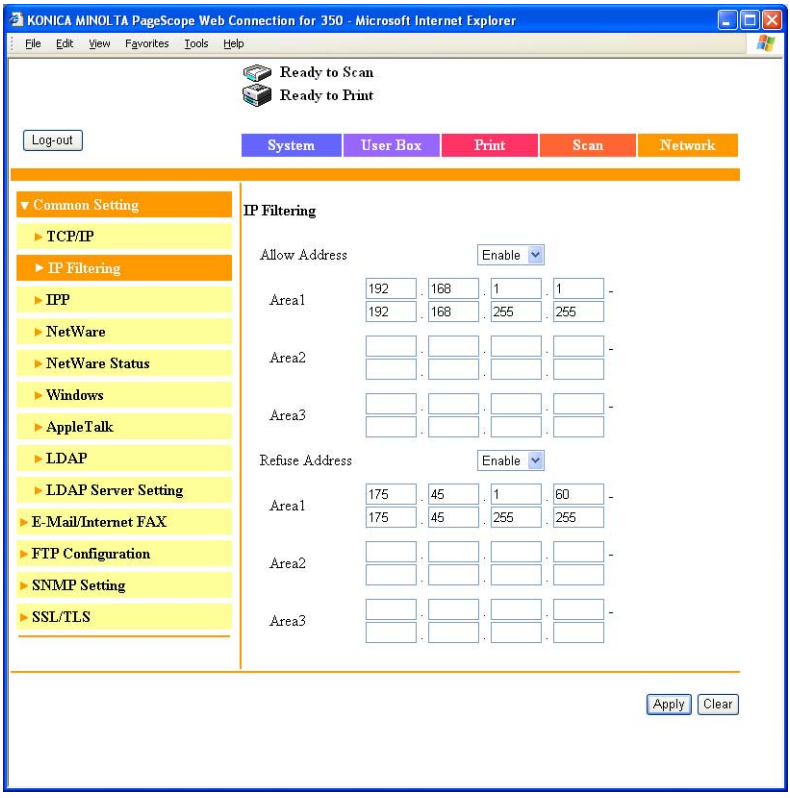
Note

"Self-Domain Name" can only be displayed when the optional fax kit is installed.

Network Tab - Common Setting - IP Filtering

You can specify the IP address filter function.

You can specify the access limitations by specifying the IP address of the host.



Item	Description
Allow Address	Specify whether to enable authorization of an IP address setting.
Area 1—3	Enter the IP address being authorized (format: "***.***.***.***-***.***.***.***", input range for ***: 0-255, and "0.0.0.0" cannot be entered).
Refuse Address	Specify whether to enable rejection of an IP address setting.
Area 1—3	Enter the IP address being rejected (format: "***.***.***.***-***.***.***.***", input range for ***: 0-255, and "0.0.0.0" cannot be entered).

...

Note

The rejection setting is given priority when the same address range is specified by both Allow Address Area and Refuse Address Area.

When the Allow Address Area setting is enabled, the address area that is not specified is specified as the rejection setting.

For DNS server and DHCP server sending and receiving, the IP Filtering setting is not applied.

When allowing (not allowing) a single IP address, the three methods described below can be specified.

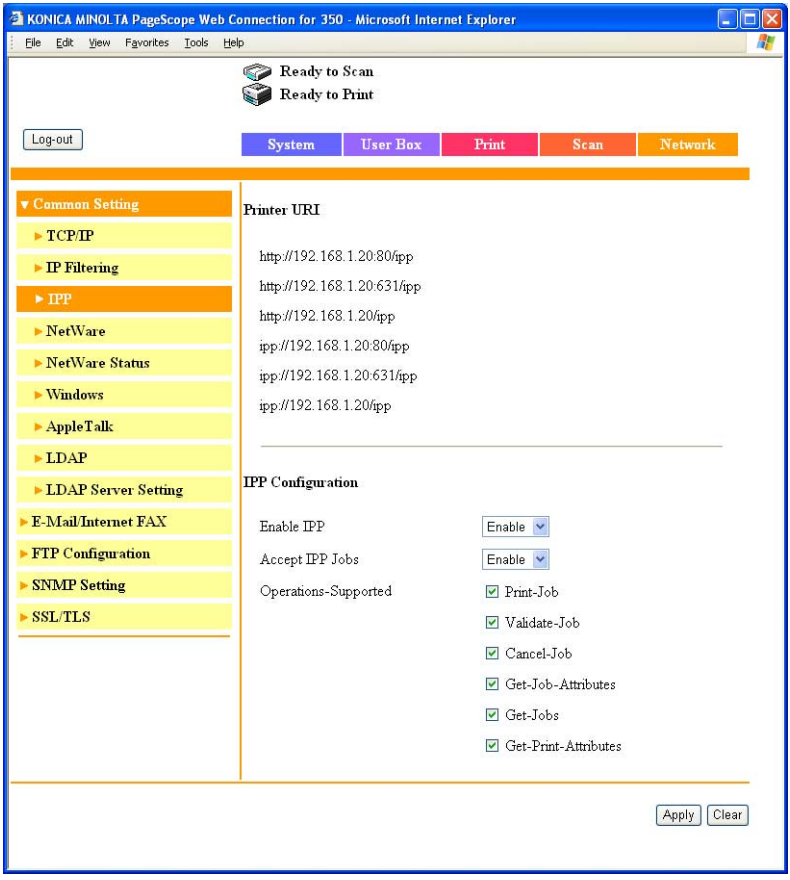
Enter the IP address in the start address and leave the end address empty. For example, "192.168.11.22 - empty").

Leave the start address empty and enter the IP address in the end address. For example, "empty - 192.168.11.22").

Enter the same IP address in the start address and the end address. For example, "192.168.11.22 – 192.168.11.22").

Network tab - Common Setting - IPP

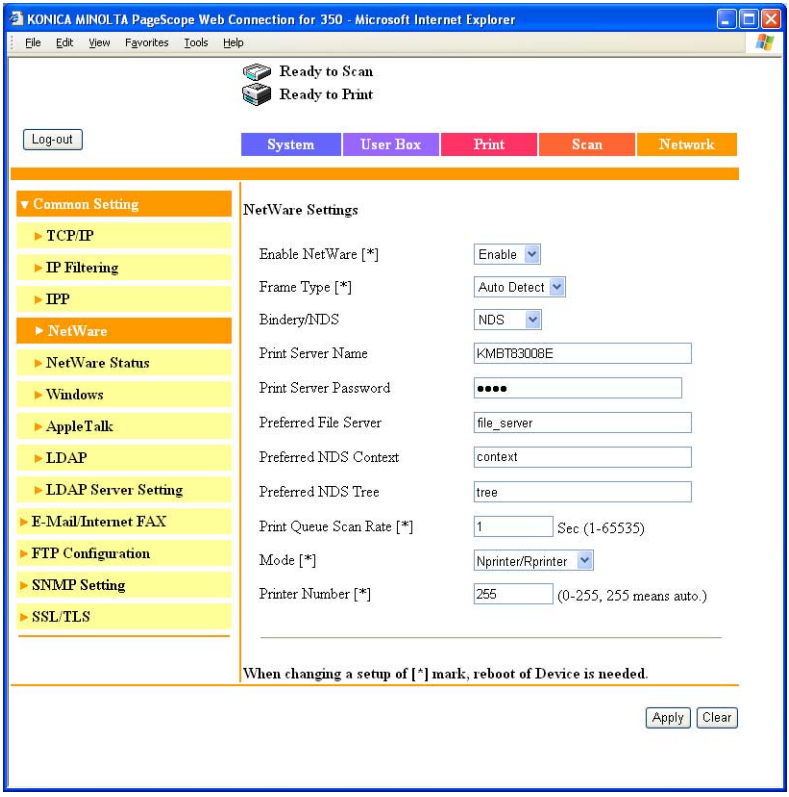
You can specify the IPP print settings.



Item	Description
Printer URI	Displays the URI of the printer that can be used for IPP printing.
Enable IPP	Specify whether to enable IPP printing.
Accept IPP Jobs	Specify whether to enable IPP print jobs.
Operations-Supported	Specifies the print operations supported by IPP. Setting values: Print-Job, Validate-Job, Cancel-Job, Get-Job-Attributes, Get-Jobs, Get-Printer-Attributes

Network tab - Common Setting - NetWare

You can specify the NetWare settings.



Item	Description
Enable NetWare	Specify whether to enable NetWare.
Frame Type	Select the frame type.
Bindery/NDS	Select Bindery/NDS.
Print Server Name	Enter the print server name (up to 63 alphanumeric characters, excluding / ¥ : ; * [ ] < > | + = ?).
Print Server Password	Specify the print server password (up to 63 alphanumeric characters and symbols (spaces ! " # $ % & ' ~ = ¥ | ; : + * ` / ? @ _ - . , ( ) [ ] { } < >)).(The password is displayed by "●●●●".) If changing the password, delete "****", and then input the password.
Preferred File Server	Enter the preferred file server name of bindery (up to 47 alphanumeric characters, excluding / ¥ : ; , * [ ] < > | + = ?).
Preferred NDS Context	Enter the preferred NDS context name (up to 191 alphanumeric characters, excluding / ¥ : ; , * [ ] < > | + = ?).

Item	Description
Preferred NDS Tree	Enter the preferred NDS tree name (up to 63 alphanumeric characters, excluding / ¥ : ; , * [ ] < > | + = ?).
Print Queue Scan Rate	Enter the print queue scan rate (input range: 1-65535 seconds).
Mode	Select “PServer” or “NPrinter/RPrinter” as the operation mode of the print server.
Printer Number	Enter the Nprinter/Rprinter printer number (input range: 0-255, 255 is automatically given).

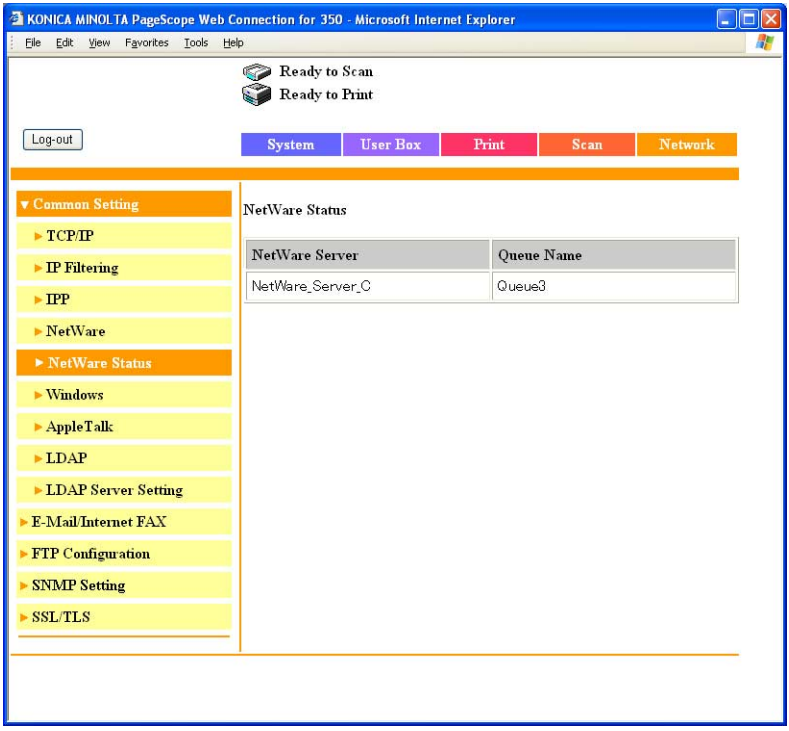
Reminder

To apply any changes to settings for “Enable NetWare”, “Frame Type”, “Print Queue Scan Rate”, “Mode”, or “Printer Number”, restart this machine (turn the main power off, then on again).

When turning the machine off, then on again, wait about 10 seconds after turning the machine off before turning the machine on again. The settings may not be applied correctly if the machine is turned on immediately after it is turned off.

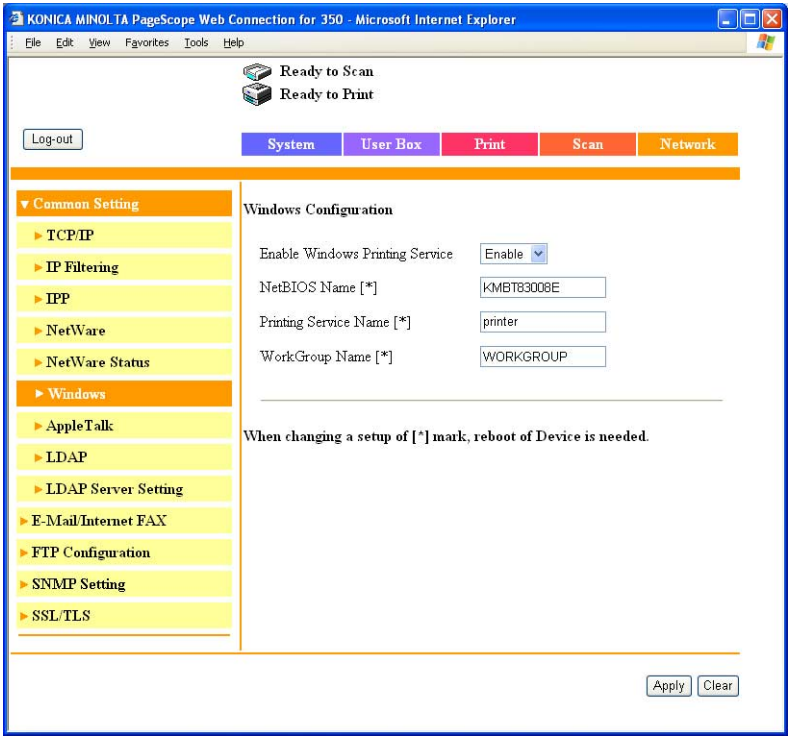
Network tab - Common Setting - NetWare Status

“NetWare Server” and “Queue Name” appear as the NetWare connection status.



Network tab - Common Setting - Windows

You can specify the Windows print settings.



Item	Description
Enable Windows Printing Service	Specifies whether to enable the Windows print (SMB print) service.
NetBIOS Name	Enter the NetBIOS name (up to 15 alphanumeric characters and only hyphens (-)).
Printing Service Name	Enter the print service name (up to 13 alphanumeric characters, excluding spaces / \ ,).
WorkGroup Name	Enter the work group name (up to 15 alphanumeric characters, excluding spaces \ * + = | : ; " ? < > ,).

...

Reminder

To apply any changes to settings for "NetBIOS Name", "Printing Service Name", or "WorkGroup Name", restart this machine (turn the main power off, then on again).

When turning the machine off, then on again, wait about 10 seconds after turning the machine off before turning the machine on again. The settings may not be applied correctly if the machine is turned on immediately after it is turned off.

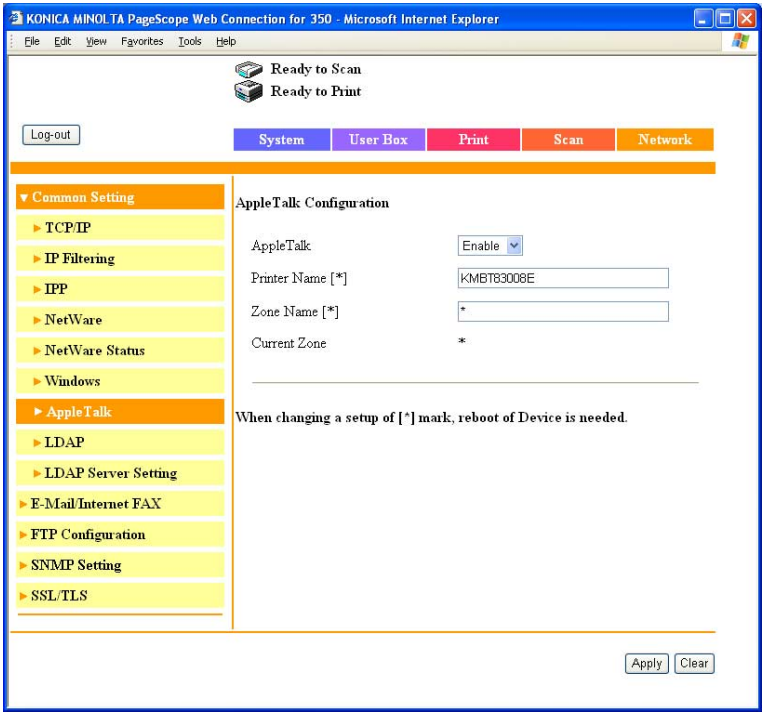
...

Note

Only the PCL printer driver can be used with Windows printing.

Network tab - Common Setting - AppleTalk

You can specify the AppleTalk settings.



Item	Description
AppleTalk	Specify whether to enable AppleTalk.
Printer Name	Enter the printer name (up to 31 alphanumeric characters, excluding = ~).
Zone Name	Specify the zone name (up to 31 alphanumeric characters, excluding = ~).
Current Zone	Displays the current zone name.

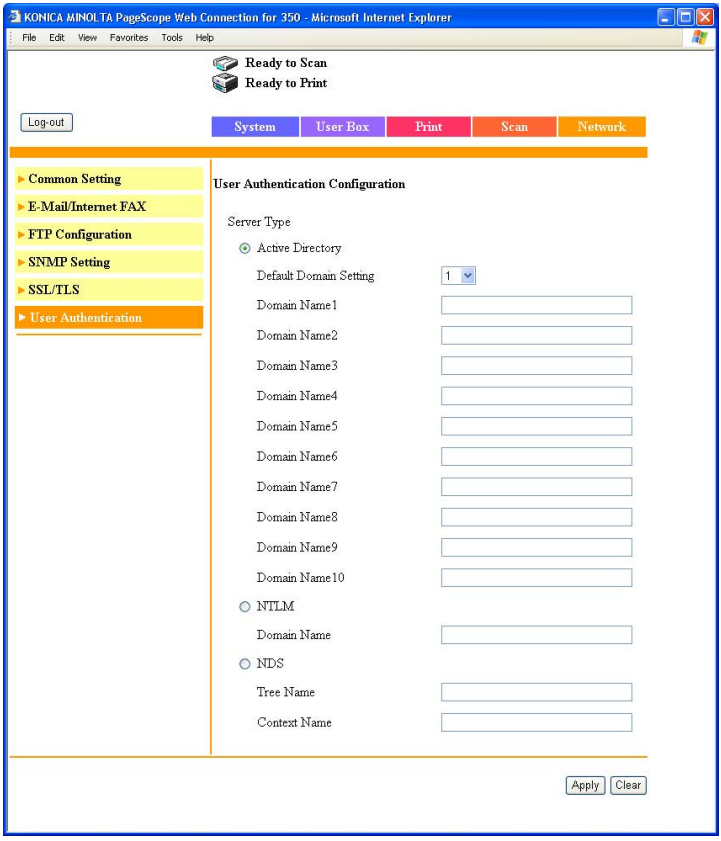
Reminder

To apply any changes to settings for "Printer Name" or "Zone Name", re-start this machine (turn the main power off, then on again).

When turning the machine off, then on again, wait about 10 seconds after turning the machine off before turning the machine on again. The settings may not be applied correctly if the machine is turned on immediately after it is turned off.

Network tab - User Authentication

When performing authentication on an external server with this machine, the “User Authentication” menu is displayed on the Network tab.



Item	Description
Active Directory	Up to 10 domain names can be specified in Active Directory. Enter the domain name (up to 64 alphanumeric characters).
NTLM	Enter the NT server domain name (up to 15 alphanumeric characters).
NDS	Enter the NDS tree name (up to 63 alphanumeric characters). Enter the NDS context name (up to 127 alphanumeric characters).

Note

For details on the authentication of external servers, refer to User’s Guide [Copy Operations].

10.5 Print job management

Specifying job operations

You can specify the job operations on this machine by setting a printer driver.

Note

The three printer drivers that can be set on this machine are as follows:
Konica Minolta PCL printer driver for Windows
Konica Minolta PostScript printer driver for Windows 2000/XP/Server 2003
PPD printer driver for Mac OS X

Specifying settings (for Windows)

1 Click the [Properties] button or the [Preferences] button on the printer driver setup dialog box.

2 Click the Setup tab.

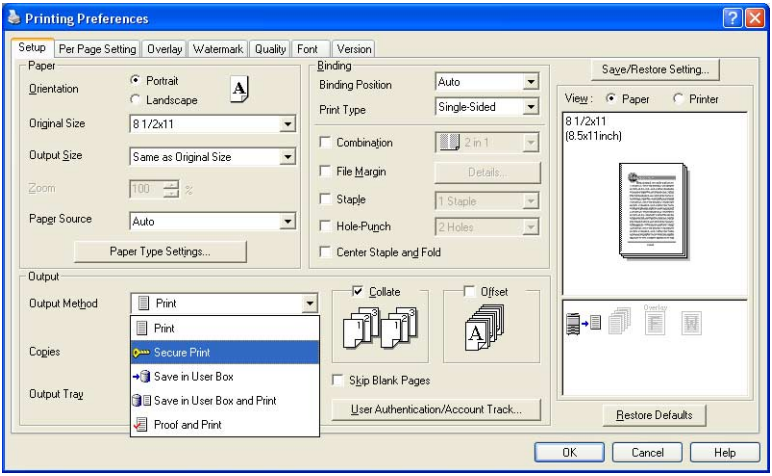
3 From the “Output Method” drop-down list, select the output method.

- Print: Prints immediately.
- Secure Print: Enters the ID and password on this machine’s control panel, then prints.
- Save in User Box: Saves the document to be printed in a box on this machine.
- Save in User Box and Print: Saves the document in a box and prints at the same time.
- Proof and Print: After part of the document has been printed, this machine stops printing temporarily. Select to avoid misprinting a large volume of print jobs.

Note

The Save in User Box and Save in User Box and Print functions can only be used when an optional hard disk is installed.

The Save in User Box, Save in User Box and Print, and Proof and Print functions cannot be specified when the "Per Page Setting" setting is specified.



Specifying settings (for Mac OS X)

1 From the "File" menu, select "Print".

2 Select "Security".

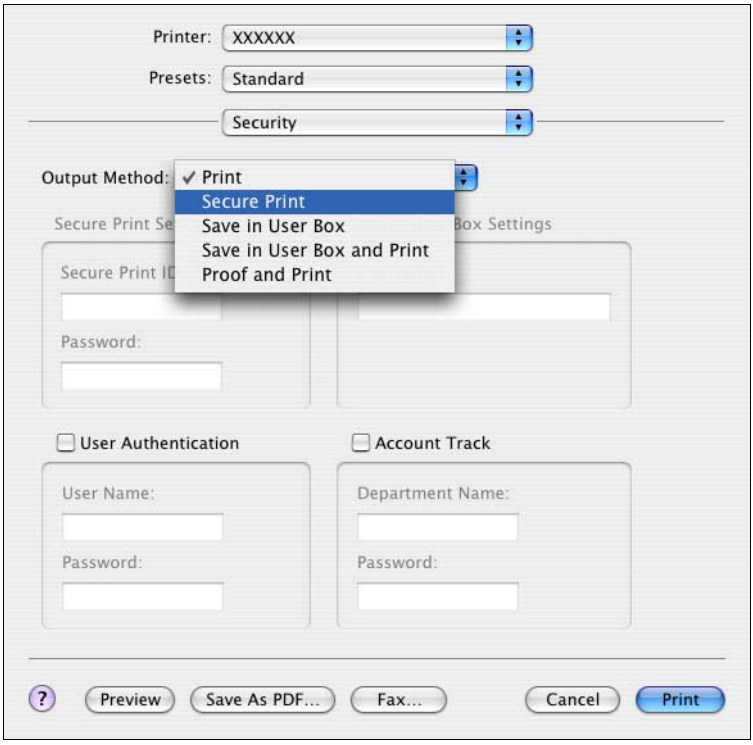
3 Specify settings for the following:

- Output Method: Specifies conditions for "Secure Print" and "Save in User Box".
- Secure Print: Enters ID and password when "Secure Print" is selected from "Output Method". Enter the ID and password on this machine's control panel when printing.
- Save in User Box: Enters the file name when "Save in User Box" or "Save in User Box and Print" is selected from"Output Method".

Note

The Save in User Box and Save in User Box and Print functions can only be used when an optional hard disk is installed.

When a password rule is enabled on this machine, passwords that are usable in Secure Print are limited and jobs are deleted when a password that does not meet the password rule is entered. For the password rules, refer to User's Guide [Copy Operations].



Job storage

Depending on the printer driver "Output Method" settings, a print document can be stored in this machine as a print job.

To print a stored job, you must recall the job in Box mode using this machine's control panel.

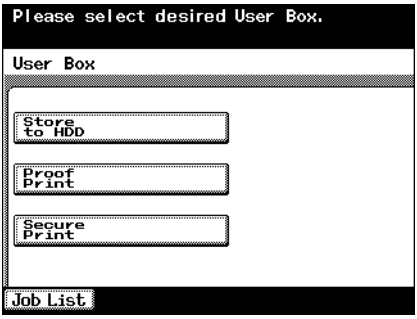
Recalling jobs (Proof Print)

For details on using the keys on the control panel, refer to User's Guide [Copy Operations].

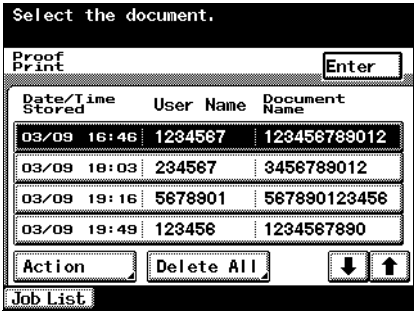
For details on the box functions of this machine, refer to User's Guide [Box Operations].

1 Press the [Box] key on this machine's control panel.

2 Touch [Proof Print].

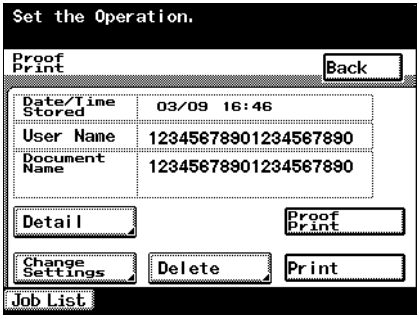


3 From the job list, select the job you want to print.



4 Touch [Action].
The Action screen appears.

– To change the settings of the printing conditions, proceed to step 5.
– If you are not changing the settings of the printing conditions, proceed to step 7.



5 Touch [Change Settings].

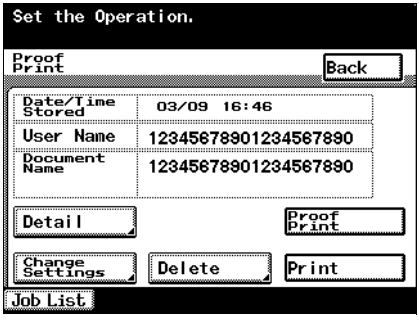
The Change Settings screen appears.

6 Change the printing conditions on the Change Settings screen, and then touch [Enter].

The operation setting screen appears again.

7 Touch [Print].

The stored job is changed to an active job, then printed.



...

Note

To delete and not print a job, touch [Delete].

Jobs in [Proof Print] or [Secure Print] are deleted after being printed or when this machine is turned off.

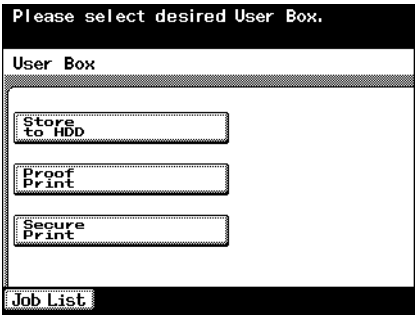
Recalling jobs (Secure Print)

For details on using the keys on the control panel, refer to User's Guide [Copy Operations].

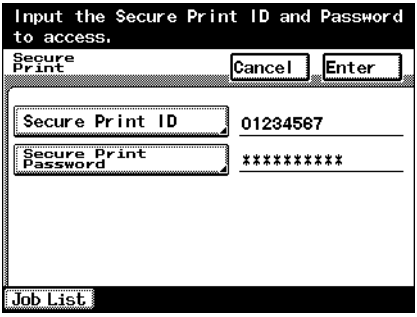
For details on the box functions of this machine, refer to User's Guide [Box Operations].

1 Press the [Box] key on this machine's control panel.

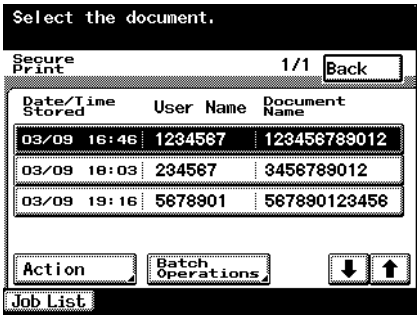
2 Touch [Secure Print].



3 Enter the ID and password in Secure Print, and then touch [Enter].



4 From the job list, select the job you want to print.

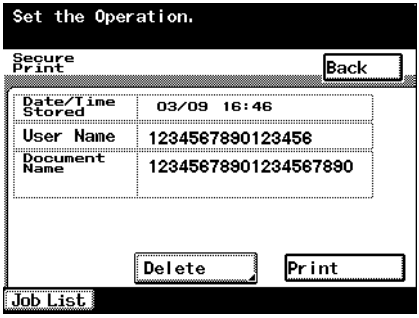


5 Touch [Action].

The Action screen appears.

6 Touch [Print].

The stored job is changed to an active job, then printed.



Note

To delete and not print a job, touch [Delete].

Jobs in [Proof Print] or [Secure Print] are deleted after being printed or when this machine is turned off.

When the Enhance Security mode is enabled on this machine or when the setting is specified to enter password when the operation of the selection method of the Secure Print is specified by the software DIP switch, it is not necessary to enter the password in step 3. When Secure Print is selected in steps 4 and 5, enter the password in the password screen that appears.

Printing with this machine when authentication and account track settings have been applied

If account track settings have been specified on this machine, you must enter a department name and password in the print driver in order to print a job.

If authentication settings have been specified on this machine, you must enter a user name and password in the print driver in order to print a job.

Note

If a print job is sent using a user name or password that is not a registered account on this machine or if a job is sent without the "User Authentication" check box selected, this machine cannot authenticate the operation and cannot print. When this occurs, the sent job is deleted.

If a print job is sent using a department name or password that is not a registered account or if a job is sent without the "Account Track" check box selected, this machine cannot authenticate the operation and cannot print. When this occurs, the sent job is deleted.

When user authentication is specified on this machine and the Enhance Security mode is enabled or when Access Lock is enabled on the software DIP switch, the corresponding user may be locked out and denied access if the authentication information is not entered correctly.

For details on user authentication and Enhance Security mode, refer to User's Guide [Copy Operations].

The three printer drivers that can be set on this machine are as follows:
Konica Minolta PCL printer driver for Windows
Konica Minolta PostScript printer driver for Windows 2000/XP/Server 2003
PPD printer driver for Mac OS X

Specifying settings (for Windows)

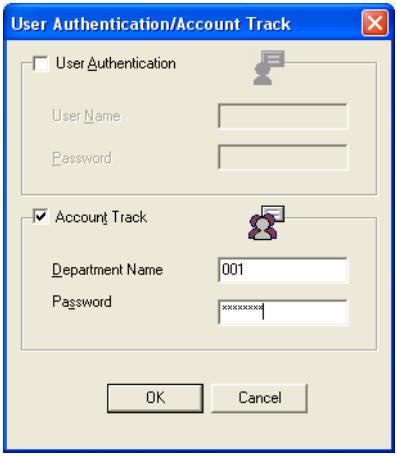
1 Click the [Properties] button or the [Preferences] button on the printer driver setup dialog box.

2 Click the Setup tab.

3 Click the [User Authentication/Account Track] button.

4 Select a check box, and then enter each item.

- If the “User Authentication” check box is selected, enter the user name and password.
- If the “Account Track” check box is selected, enter the department name and password.



5 After specifying the settings, click the [OK] button to begin printing.

If the entered password is a password registered on this machine, the job is printed. For Account Track, the number of pages to print is counted as a job for the specified account.

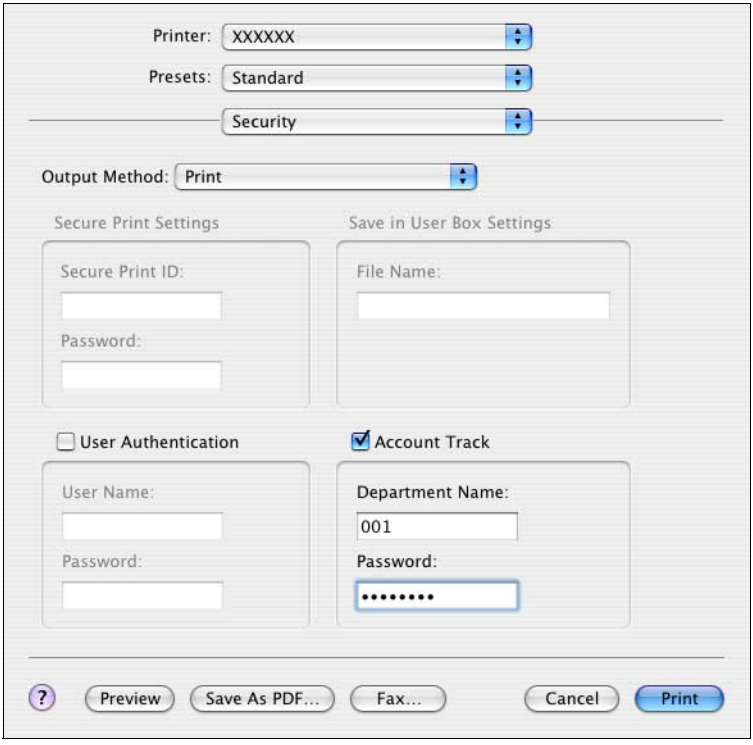
Specifying settings (for Mac OS X)

1 From the “File” menu, select “Print”.

2 Select “Security”.

3 Select a check box, and then enter each item.

- If the “User Authentication” check box is selected, enter the user name and password.
- If the “Account Track” check box is selected, enter the department name and password.



10.6 Print Status Notifier

Print Status Notifier is a tool that monitors and notifies the print status of this machine which is connected to a network, and it is located and operates in the task tray.

Installing the tool

First connect this machine to a computer over a network, and then install the printer driver.

Print Status Notifier is a tool that is compatible to a Windows printer driver.

1 Insert the User Software CD-ROM into the computer's CD-ROM drive.

– When the installer dialog box appears, click the [Close] button.

2 Open the CD-ROM.

– Open My Computer, right-click CD-ROM, and then select "Open".

3 Open the "PrintNotify" folder.

4 Double-click "setup.exe".

The setup program starts up. Follow the on-screen instructions to complete the installation.

Note

When installed as a standard installation, the tool is saved in "KONICA MINOLTA" - "Print Status Notifier" - "Print Status Notifier" in "Programs".

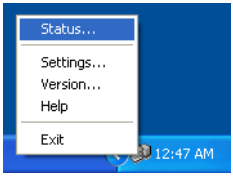
To uninstall the tool, execute "PrintNotify\setup.exe" again.

Starting the tool

1 From the Start menu, click "Programs" - "Konica Minolta" - "Print Status Notifier" - "Print Status Notifier".

– Print Status Notifier is started and an icon appears in the task tray.

2 Right-click the task tray icon to display each screen.

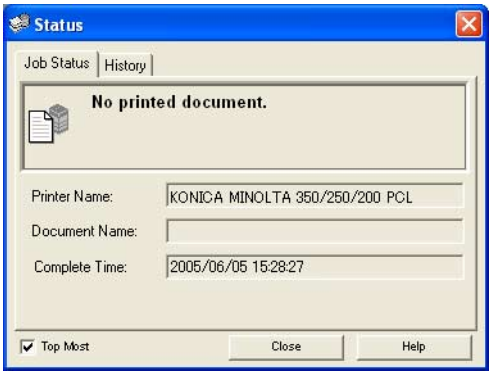


Note

The status screen is displayed even when it is double-clicked. Also, the status screen is displayed automatically when a print job is executed.

Status display

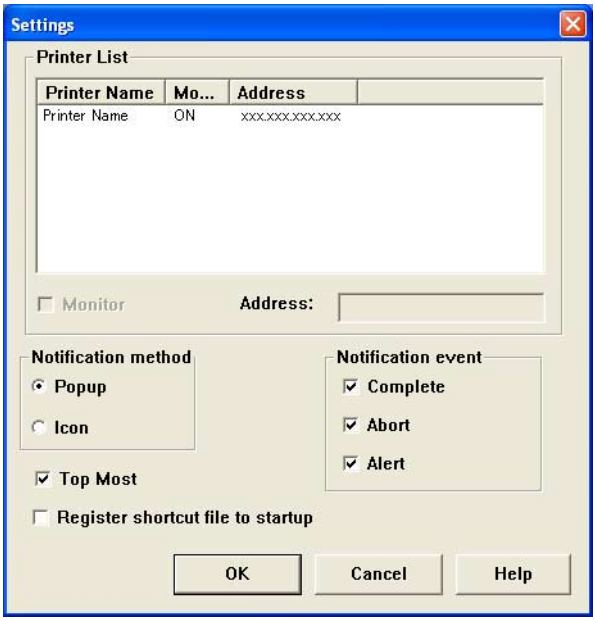
Print Status Notifier monitors the print status and displays it on the status screen.



- Print complete: Displays the operation of each print job for normal print, Proof and Print, Secure Print, Save in User Box, and Save in User Box and Print.
- Error: Displays errors such as no paper or consumable replacement.
- Job: Displays that a job has been deleted due to insufficient memory or authentication errors.

Settings screen

You can specify the status monitoring conditions on the settings screen.



Item	Description
Printer list	Displays the printer and IP address (or host name) that can be monitored. Select the “Monitor” check box to specify whether to monitor the printer and IP address (or host name).
Notification method	Specifies whether the job status is notified by a pop-up or icon status display. If “Icon” notification was specified, the status is notified by the following icons. :Normal completion :Abnormal completion :When job is stopped
Notification event	Specifies the status to be notified.
Top Most	Displays the status screen always on the previous screen.
Register shortcut file to startup	Saves or deletes the shortcut file at startup. The shortcut file is saved when the check box is selected and deleted when the check box is not selected. When saved at startup, Print Status Notifier automatically starts up when the computer is started.

11 Troubleshooting

11.1 Unable to print

This chapter explains the troubleshooting procedures for possible malfunctions.

Perform the troubleshooting procedures described below if this machine does not print after you have sent a print job.

Symptom	Probable cause	Action
The message “No printers are connected” or “Print error” appears.	The printer driver selected for printing is not compatible with the printer controller.	Check the printer name selected.
	The network cable, parallel cable, or USB cable is disconnected.	Check that the cable is connected properly.
	An error has occurred in this machine.	Check this machine’s control panel.
	Available memory space is not sufficient.	Perform a test print to check whether printing is possible.
A postscript error appears.	Available computer memory space is not sufficient.	Perform a test print to check whether printing is possible.
	There is 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 are incorrect.	Change the settings and try to print again.

Symptom	Probable cause	Action
The machine does not start printing although the print job was completed on the computer.	The printer driver selected for printing is not compatible with the printer controller.	Check the printer name selected.
	The network cable, parallel cable, or USB cable is disconnected.	Check that the cable is connected properly.
	An error has occurred in this machine.	Check this machine's control panel.
	A print job is queued in this machine, delaying printing.	Check the job order on the Active Jobs list of the machine's control panel.
	"Save in User Box" was selected for the print job.	Check if the print job is stored on the Box screen of this machine's control panel.
	"Secure Print" was selected for the print job.	Check if the print job is held on the Secure Print screen of this machine's control panel.
	If the account track settings have been applied, an unregistered account name (or password) may have been entered.	Enter the correct account name (or password).
	If the authentication settings have been applied, an unregistered user name (or password) may have been entered.	Enter the correct user name (or password).
	Available computer memory space is not sufficient.	Perform a test print to check whether printing is possible.
	The connection of this machine to the network is not yet established (while connecting to a network).	Consult with the network administrator.
	The Enhance Security mode may be enabled on this machine.	Specify the authentication settings in the Enhance Security mode. For details, consult with the network administrator.
	A password rule may be enabled on this machine.	Enter the password that meets the password rule.
	Available memory space is not sufficient.	Add memory.

Note

Up to 29 document print jobs (including "Proof Print" and "Secure Print") can be stored in the memory of this machine. If more than 29 jobs are stored, new jobs cannot be received. Check whether there are print jobs remaining in "Proof Print" and "Secure Print" in Box mode on this machine's control panel. If jobs are remaining, print or delete the stored jobs.

If the problem persists after all of these procedures have been performed, read the User's Guide [Copy Operations].

11.2 Unable to specify desired settings or unable to print as specified

Perform these troubleshooting procedures if you cannot specify the desired settings in the printer driver, or if the print results do not represent the settings that have been specified.

Note
Some of the printer driver functions cannot be combined with other functions.

Symptom	Probable cause	Action
A printer driver setting cannot be selected.	Some functions cannot be combined.	Do not try to select settings that are not available.
The “Conflicts” message with “Unable to Select” or “Function Canceled” appears.	An incorrect combination of functions has been specified.	Check the settings and specify the functions correctly.
Printing is not performed as specified.	Incorrect settings are specified.	Check each setting in the printer driver.
	A combination of functions, although possible in the printer driver, is not possible with this machine.	
	The paper size, orientation, and other settings specified in the application have priority over those specified in the printer driver.	Enter the correct settings in the application.
The watermark cannot be printed.	The watermark is not correctly set.	Check the watermark settings.
	The watermark density is set to a level that is too low.	Check the density settings.
	Watermarks cannot be printed in graphics applications.	No watermark can be printed in this case.
The staple function cannot be specified.	Stapling is not possible if “Paper Type” is set to “Thick” or “Transparency”.	Check each setting in the printer driver.
	The staple function requires optional finisher.	Install the required optional finisher and enable it using the printer driver.
Stapling cannot be performed.	If there are a large number of pages to be printed, stapling cannot be performed.	Print by specify the number of pages per set for the number of pages that can be stapled.
	Stapling is not possible if the document contains pages of different sizes.	Check the document.

Symptom	Probable cause	Action
The stapling position is not as expected.	The orientation setting is not correct.	Check the stapling position in the printer driver setup dialog box.
The hole punch function cannot be specified.	Hole punching cannot be specified if “Booklet”, “Transparency”, “Thick2”, “Thick3”, or “Envelope” is selected.	Check each setting in the printer driver.
	For the hole punch function, the punch unit must be installed on optional finisher.	Install the required optional finisher and enable it using the printer driver.
The pages are not punched.	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 hole punch position is not as expected.	The orientation setting is not correct.	Check the punch position on the Layout tab of the printer driver setup dialog box.
The form is not printed properly.	Available computer memory space is not sufficient.	Simplify the form to reduce the data size.
The image is not printed properly.	Available computer memory space is not sufficient.	Simplify the image to reduce the data size.
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 source with paper of the appropriate size and orientation.
The numbering function is not performed.	The “Collate” (for Windows) or “Collated” (for Mac OS X) check box is selected on the print setup dialog box.	Clear the “Collate” (for Windows) or “Collated” (for Mac OS X) check box.
Proof and Print is no be performed.		

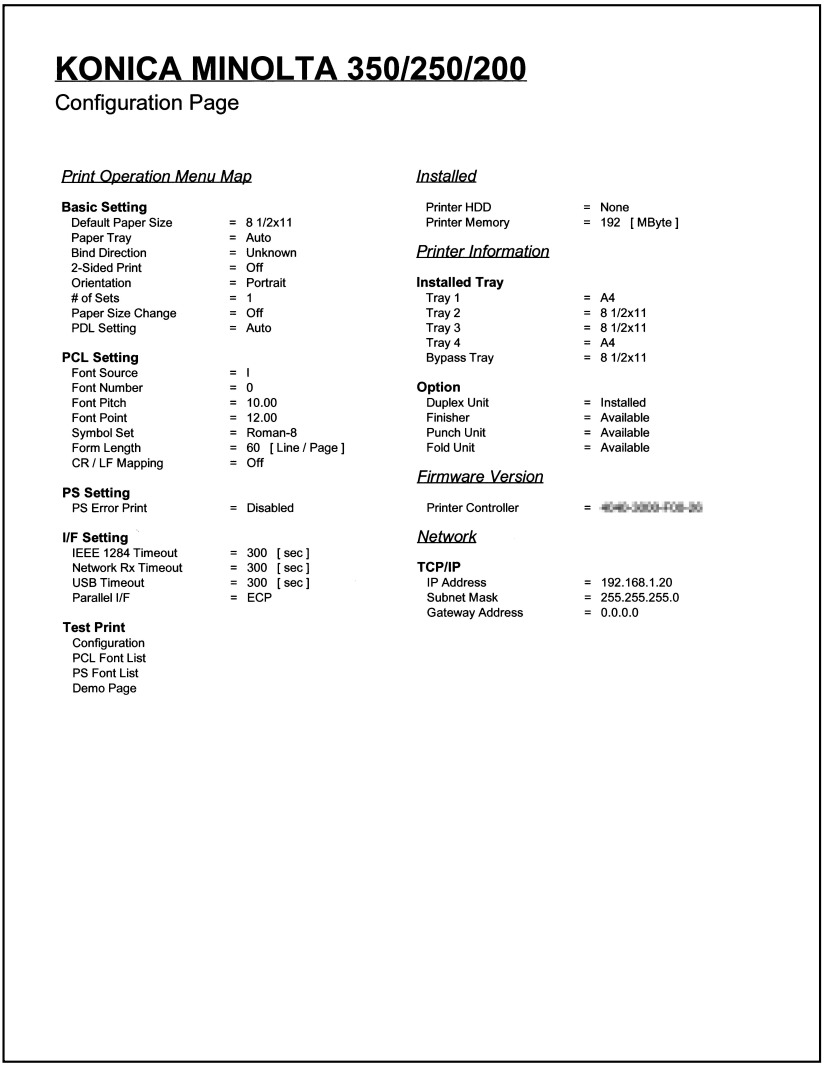
12 Appendix

12.1 Specifications

Item		Specifications
Model		Built-in printer controller
Power supply		Common with the main body
Processor		RM5231
RAM		192 MB
Hard Disk		40 GB (optional)
Interface		• Standard: Ethernet (10Base-T or 100Base-TX), USB (1.1 or 2.0) • Optional: IEEE 1284
Frame type		Ethernet 802.2 Ethernet 802.3 Ethernet II Ethernet SNAP
Supported protocols		TCP/IP IPX/SPX NetBEUI AppleTalk (EtherTalk)
Print speed		20 pages/minute (bizhub 200, Letter) 25 pages/minute (bizhub 250, Letter) 35 pages/minute (bizhub 350, Letter)
Fast print time		5.3 seconds or less (bizhub 200/250, Letter, when using 1st tray) 4.8 seconds or less (bizhub 350, Letter, when using 1st tray)
Printer language		PCL5e emulation PCL6 (XL 2.1) emulation PostScript 3 emulation
Operating environment conditions		Temperature 10 to 30 °C Humidity 15 to 85% RH
Resolution	Data processing	600 × 600 dpi
	Printing	600 × 600 dpi
Supported paper sizes		Maximum standard size
Printer fonts		PCL: Latin 80 fonts, Postscript 3 emulation: Latin 136 fonts
Compatible computers		IBM PC or compatible, Macintosh

Item		Specifications
Supported operating systems	Server	Windows NT 4.0, Windows 2000 (Service Pack 4 or later), or Windows Server 2003
	Client	Windows 98 SE, Windows Me, Windows 2000 (Service Pack 4 or later), Windows XP (Service Pack 2 or later), or Windows NT 4.0 (Service Pack 6a) Mac OS 9.2 or later, Mac OS X 10.2, Mac OS X 10.3, Mac OS X 10.4
Printer driver		PCL6: • Windows 98 SE or Windows Me printer driver • Windows 2000 (Service Pack 4 or later), Windows XP (Service Pack 2 or later), or Windows Server 2003 printer driver • Windows NT 4.0 (Service Pack 6a) printer driver PS3: • Windows 98 SE or Windows Me PPD file • Windows NT 4.0 (Service Pack 6a), Windows 2000, Windows XP (Service Pack 2 or later), or Windows Server 2003 printer driver • Mac OS 9.2 PPD file • Mac OS X 10.2, Mac OS X 10.3, Mac OS X 10.4 printer driver
Utility		PageScope Web Connection Web browser: Windows 98 SE, Windows Me, or Windows NT 4.0 Microsoft Internet Explorer 4 or later recommended Netscape Navigator 4.73 or 7.0 Windows 2000 Microsoft Internet Explorer 5 or later recommended Netscape Navigator 7.0 Windows XP Microsoft Internet Explorer 6 or later recommended Netscape Navigator 7.0 * If using Microsoft Internet Explorer 5.5, use Service Pack 1 or later.

12.2 Configuration page



KONICA MINOLTA 350/250/200

Configuration Page

Print Operation Menu Map

Basic Setting

Default Paper Size	=	8 1/2x11
Paper Tray	=	Auto
Bind Direction	=	Unknown
2-Sided Print	=	Off
Orientation	=	Portrait
# of Sets	=	1
Paper Size Change	=	Off
PDL Setting	=	Auto

PCL Setting

Font Source	=	I
Font Number	=	0
Font Pitch	=	10.00
Font Point	=	12.00
Symbol Set	=	Roman-8
Form Length	=	60 [Line / Page]
CR / LF Mapping	=	Off

PS Setting

PS Error Print	=	Disabled

I/F Setting

IEEE 1284 Timeout	=	300 [sec]
Network Rx Timeout	=	300 [sec]
USB Timeout	=	300 [sec]
Parallel I/F	=	ECP

Test Print

Configuration
PCL Font List
PS Font List
Demo Page

Installed

Printer HDD	=	None
Printer Memory	=	192 [MByte]

Printer Information

Installed Tray

Tray 1	=	A4
Tray 2	=	8 1/2x11
Tray 3	=	8 1/2x11
Tray 4	=	A4
Bypass Tray	=	8 1/2x11

Option

Duplex Unit	=	Installed
Finisher	=	Available
Punch Unit	=	Available
Fold Unit	=	Available

Firmware Version

Printer Controller	=	[illegible]

Network

TCP/IP

IP Address	=	192.168.1.20
Subnet Mask	=	255.255.255.0
Gateway Address	=	0.0.0.0

12.3 Font list

PCL font list

KONICA MINOLTA 350/250/200

PCL Font List P.1

Internal Fonts

Font	Pitch/Point	Escape Sequence	Font #	Font ID
Courier	Scalable	<esc>(01X<esc>(s0p10h0s0b4099T	00000	
CG Times	Scalable	<esc>(01X<esc>(s1p12v0s0b4101T	00001	
CG Times Bold	Scalable	<esc>(01X<esc>(s1p12v0s3b4101T	00002	
CG Times Italic	Scalable	<esc>(01X<esc>(s1p12v1s0b4101T	00003	
CG Times Bold Italic	Scalable	<esc>(01X<esc>(s1p12v1s3b4101T	00004	
CG Omega	Scalable	<esc>(01X<esc>(s1p12v0s0b4113T	00005	
CG Omega Bold	Scalable	<esc>(01X<esc>(s1p12v0s3b4113T	00006	
CG Omega Italic	Scalable	<esc>(01X<esc>(s1p12v1s0b4113T	00007	
CG Omega Bold Italic	Scalable	<esc>(01X<esc>(s1p12v1s3b4113T	00008	
Coronet	Scalable	<esc>(01X<esc>(s1p12v1s0b4116T	00009	
Clarendon Condensed	Scalable	<esc>(01X<esc>(s1p12v4s3b4140T	00010	
Univers Medium	Scalable	<esc>(01X<esc>(s1p12v0s0b4148T	00011	
Univers Bold	Scalable	<esc>(01X<esc>(s1p12v0s3b4148T	00012	
Univers Medium Italic	Scalable	<esc>(01X<esc>(s1p12v1s0b4148T	00013	
Univers Bold Italic	Scalable	<esc>(01X<esc>(s1p12v1s3b4148T	00014	
Univers Med. Condensed	Scalable	<esc>(01X<esc>(s1p12v4s0b4148T	00015	
Univers Bold Condensed	Scalable	<esc>(01X<esc>(s1p12v4s3b4148T	00016	
Univers Med. Cond. It.	Scalable	<esc>(01X<esc>(s1p12v5s0b4148T	00017	
Univers Bold Cond. It.	Scalable	<esc>(01X<esc>(s1p12v5s3b4148T	00018	
Antique Olive	Scalable	<esc>(01X<esc>(s1p12v0s0b4168T	00019	
Antique Olive Bold	Scalable	<esc>(01X<esc>(s1p12v0s3b4168T	00020	
Antique Olive Italic	Scalable	<esc>(01X<esc>(s1p12v1s0b4168T	00021	
Garamond Antiqua	Scalable	<esc>(01X<esc>(s1p12v0s0b4197T	00022	
Garamond Halbfett	Scalable	<esc>(01X<esc>(s1p12v0s3b4197T	00023	
Garamond Kursiv	Scalable	<esc>(01X<esc>(s1p12v1s0b4197T	00024	

PS font list

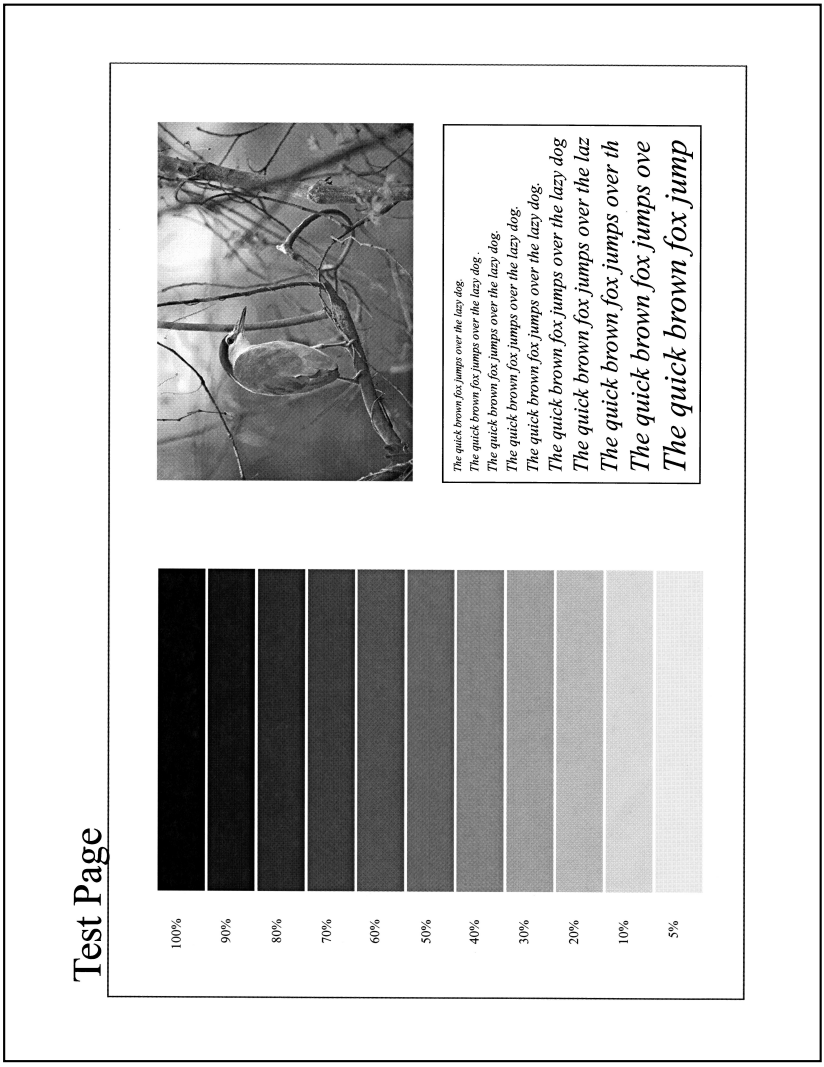
KONICA MINOLTA 350/250/200

PS Font List P.1

Internal Fonts

Font		Font #
Albertus MT	AlbertusMT	00000
Albertus MT Italic	AlbertusMT-Italic	00001
Albertus MT Light	AlbertusMT-Light	00002
Antique Olive Roman	AntiqueOlive-Roman	00003
Antique Olive Italic	AntiqueOlive-Italic	00004
Antique Olive Bold	AntiqueOlive-Bold	00005
Antique Olive Compact	AntiqueOlive-Compact	00006
Apple Chancery	Apple-Chancery	00007
Arial	ArialMT	00008
Arial Italic	Arial-ItalicMT	00009
Arial Bold	Arial-BoldMT	00010
Arial Bold Italic	Arial-BoldItalicMT	00011
ITC Avant Garde Gothic Book	AvantGarde-Book	00012
ITC Avant Garde Gothic Book Oblique	AvantGarde-BookOblique	00013
ITC Avant Garde Gothic Demi	AvantGarde-Demi	00014
ITC Avant Garde Gothic Demi Oblique	AvantGarde-DemiOblique	00015
Bodoni Roman	Bodoni	00016
Bodoni Italic	Bodoni-Italic	00017
Bodoni Bold	Bodoni-Bold	00018
Bodoni Bold Italic	Bodoni-BoldItalic	00019
Bodoni Poster	Bodoni-Poster	00020
Bodoni Poster Compressed	Bodoni-PosterCompressed	00021
ITC Bookman Light	Bookman-Light	00022
ITC Bookman Light Italic	Bookman-LightItalic	00023
ITC Bookman Demi	Bookman-Demi	00024
ITC Bookman Demi Italic	Bookman-DemiItalic	00025
⛵☸△◯△	Carta	00026
Chicago	Chicago	00027
Clarendon Roman	Clarendon	00028
Clarendon Bold	Clarendon-Bold	00029

PCL demo page



12.4 Glossary

Term	Definition
10Base-T/100Base-TX/ 1000Base-TX	An Ethernet standard, which is a cable consisting of twisted copper wire pairs. The transmission speed of 10Base-T is 10 Mbps, of 100Base-TX is 100 Mbps, and of 1000Base-TX is 1000 Mbps.
AppleTalk	A generic name for the protocol suite developed by Apple Computer for computer networking
Bindery	A database for managing a user or group account information, security information, server and service information using NetWare 2.x or 3.x.
bit	Abbreviation for Binary Digit. The smallest unit of information (data quantity) on a computer or printer. Displays data using 0 or 1.
BMP	Abbreviation for Bitmap. A file format for saving image data which uses the .bmp extension. Commonly used on Windows platforms. You can specify the color depth from monochrome (2 values) to full color (16,777,216 colors). Images are not usually compressed when saved.
BOOTP	Abbreviation for Bootstrap Protocol. A protocol in which a client computer on a TCP/IP network automatically specifies the network settings from the server. Currently, DHCP, which is an advanced protocol based on BOOTP, is mainly used.
Brightness	Brightness of a display screen
Byte	Unit of information (data quantity) on a computer or printer. Configured as 1 byte equals 8 bits.
Client	A computer that uses the services provided by a server through a network
Default Gateway	A device, such as a computer or router, used as a “gateway” to access computers not on the same LAN
DHCP	Abbreviation for Dynamic Host Configuration Protocol. A protocol in which a client computer on a TCP/IP network automatically specifies the network settings from the server. With collective management of the IP address for DHCP clients on the DHCP server, you can avoid duplication of an address and you can build a network easily.
DNS	Abbreviation for Domain Name System. A system that acquires the supported IP addresses from host names in a network environment. DNS allows the user to access other computers over a network by specifying host names, instead of difficult to memorize and understand IP addresses.
DPI (dpi)	Abbreviation for Dots Per Inch. A resolution unit used by printers and scanners. Indicates how many dots per inch are represented in an image. The higher the value, the higher the resolution.
Driver	Software that works as a bridge between a computer and a peripheral device.
Ethernet	LAN transmission line standard
Frame Type	Type of communication format used in a NetWare environment. Communication is not possible if the same frame type is not used.
FTP	Abbreviation for File Transfer Protocol. A protocol for transferring files over the Internet or an intranet on the TCP/IP network.

Term	Definition
Gateway	Hardware and software used as the point where a network is connected to a network. A gateway also changes data formats, addresses, and protocols according to the connected network.
Grayscale	Monochrome image expressive form using the gradation information from black to white
Hard Disk	Large capacity storage device for storing data. The data can be stored even if the power is turned off.
Host Name	Displayed name of a device over a network
HTTP	Abbreviation for HyperText Transfer Protocol. A protocol used to send and receive data between a Web server and a client (Web browser). Documents containing images, recordings, and video clips can be exchanged with the expressive form information.
IEEE 1284	Abbreviation for Institute of Electrical and Electronic Engineers 1284. A parallel port standard that was developed for printers.
Install	To install hardware, operating systems, applications, printer drivers on to a computer
IP Address	A code (address) that is used to identify individual network devices over the Internet. A maximum of three digits for four numbers are displayed such as 192.168.1.10. IP addresses are assigned to devices, including computers, which are connected to the Internet.
IPP	Abbreviation for Internet Printing Protocol. A protocol that sends and receives print data and controls printers over the Internet on a TCP/IP network. Data can also be sent to printers in remote areas to print over the Internet.
IPX/SPX	Abbreviation for Internetwork Packet Exchange/Sequenced Packet Exchange. A protocol developed by Novel, Inc. that is commonly used under a NetWare environment.
LAN	Abbreviation for Local Area Network. A network which connects 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
LPR/LPD	Abbreviation for Line Printer Request/Line Printer Daemon. A printing method over a network in a Windows NT system or UNIX system. Using TCP/IP, you can output print data from Windows or Unix to a printer over a network.
MAC Address	Abbreviation for Media Access Control address. With a special ID number for each Ethernet card, data can be sent and received between the cards. A number consists of 48 bits. The first 24 bits consist of a special number for each manufacture controlling and assigning IEEE. The last 24 bits consist of a number that the manufacturer assigns uniquely to the card.
Memory	Storage device for storing data temporally. When the power is turned off the data may or may not be erased.
NDPS	Abbreviation for Novell Distributed Print Services. Provides a highly efficient printing solution in an NDS environment. By using the NDPS as a printer server, you can output from the desired printer, automatically download the printer driver of a newly installed printer, simplify and automate complicated management environments related to printer use, and integrate management related to the network printer.

Term	Definition
NDPS Broker	An object that shows the NDPS broker. Controls three NDPS print services which are: release management service, event notification service, and service registration server.
NDPS Manager	An object that shows the NDPS manager. Controls all the printer agents on a server using a software program.
NDS	Abbreviation for Novell Directory Services. The servers and printers on a network and the shared resources of the user's information, as well as the user's access authority over these items can be consolidated in the hierarchy structure.
NetBEUI	Abbreviation for NetBIOS Extended User Interface. A network protocol developed by IBM. By simply specifying the computer name, you can build a small-scale network.
NetBIOS	Abbreviation for Network Basic Input Output System. A communication interface developed by IBM.
NetWare	Network operating system developed by Novell. NetWare IPX/SPX is used as the communication protocol.
Nprinter/Rprinter	Remote printer support module for using a printer server under a NetWare environment. Use NetWare 3.x with Rprinter, and NetWare 4.x with Nprinter.
NWadmin	A Novell NetWare utility administrator tool.
OHP/OHT	OHP (overhead projector) transparencies which are used for presentations
OS	Abbreviation for Operating System. Basic software for controlling the system of a computer.
Outline Font	A font using lines and curves to display an outline of a character. Large-size characters can be displayed on a screen or printed with no jagged edges.
Parallel Interface	Data transmission method for sending and receiving data of multiple signals simultaneously. IEEE 1284 is commonly used as the printer connection.
Pconsole	A utility tool that controls the print job, print queue, print server, and printer.
PDF	Abbreviation for Portable Document Format. An electronically formatted document which uses the .pdf extension. Based on the PostScript format, you can use the free Adobe Acrobat Reader software to view documents.
PDL	Abbreviation for Page Description Language. The language for specifying the print image per page to a printer when printing using a page printer.
Peer-to-peer	A network format that allows connected devices to communicate without using a dedicated server
Plug-and-play	Ability to automatically find and use the appropriate driver when a peripheral device is connected to a computer
PostScript	A typical page-descriptive language developed by Adobe and is commonly used for high quality printing
PPD	Abbreviation for PostScript Printer Description. A file used to describe the resolution, usable paper size, and the PostScript printer model special information.

Term	Definition
Preview	A function that allows you to view an image before processing a print or scan job
Print Job	Print request transmitted from a computer to a printing device
Print Queue	A software system which queues the generated print job in the devices
Printer Buffer	Memory domain temporarily used for data processing of a print job
Property	Attribute information When using a printer driver, various functions can be specified in the file properties. In the file properties, you can check the attribute information of the file.
Protocol	The rules that allow computers to communicate with other computers or peripheral devices
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	Print server module under a NetWare environment that monitors, changes, pauses, restarts, or cancels a print job
Queue Name	Name specified to each device that allows printing when network printing
Resolution	Displays the ability to reproduce the details of images and print matter correctly
RIP	Abbreviation for Raster Image Processor. Process that develops picture images from described text data using the PostScript page description language. The processor is usually integrated in the printer.
Screen Font	A font for displaying text and symbols on a CRT monitor
Shared Printer	A printer setup that allows the printer to be used by multiple computers connected to a server over a network
SLP	Abbreviation for Service Location Protocol. A protocol capable of finding services over a TCP/IP network and automatically specifying a client.
SMB	Abbreviation for Server Message Block. A protocol that shares files and printers over a network and which is mainly used by Microsoft Windows.
SMTP	Abbreviation for Simple Mail Transfer Protocol. A protocol for sending and forwarding e-mail.
SNMP	Abbreviation for Simple Network Management Protocol. A management protocol in a network environment using TCP/IP.
Spool	Abbreviation for Simultaneous Peripheral Operation On-Line. For printer output, data is not sent directly to the printer, it is temporarily stored in another location, then sent to the printer collectively.
Subnet Mask	The unit used to divide a TCP/IP network into small networks (subnetworks). It is used to identify the bits in a network address that are higher than the IP address.
TCP/IP	Abbreviation for Transmission Control Protocol/Internet Protocol. The de facto standard protocol used by the Internet that uses IP addresses to identify each network device.

Term	Definition
TrueType	An outline font that was developed by Apple Computer and Microsoft. It is used as a standard by Macintosh and Microsoft Windows and can be used both on a display and in print.
Uninstall	To delete software installed on a computer
USB	Abbreviation for Universal Serial Bus. A general interface standard for connecting a mouse, printer, and other devices to a computer.
Web Browser	Software such as Internet Explorer and Netscape Navigator for viewing Web pages

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